

---

# **frozenlist Documentation**

***Release 1.4.0***

**frozenlist contributors**

**Jul 13, 2023**



# CONTENTS

<b>1</b>	<b>API</b>	<b>3</b>
<b>2</b>	<b>Installation</b>	<b>5</b>
<b>3</b>	<b>Documentation</b>	<b>7</b>
<b>4</b>	<b>Communication channels</b>	<b>9</b>
<b>5</b>	<b>Requirements</b>	<b>11</b>
<b>6</b>	<b>License</b>	<b>13</b>
<b>7</b>	<b>Source code</b>	<b>15</b>
<b>8</b>	<b>Authors and License</b>	<b>17</b>
<b>9</b>	<b>Indices and tables</b>	<b>19</b>
	<b>Index</b>	<b>21</b>



A list-like structure which implements `collections.abc.MutableSequence`.

The list is *mutable* until `freeze()` is called, after which list modifications raise `RuntimeError`. A `Frozenset` instance is hashable, but only when frozen. Attempts to hash a non-frozen instance will result in a `RuntimeError` exception.



**class** `frozenset.FrozenList(items)`

Construct a new *non-frozen* list from *items* iterable.

The list implements all `collections.abc.MutableSequence` methods plus two additional APIs.

**frozen**

A read-only property, `True` if the list is *frozen* (modifications are forbidden).

**freeze()**

Freeze the list. There is no way to *thaw* it back.





## INSTALLATION

```
$ pip install frozenlist
```

The library requires Python 3.8 or newer.



## DOCUMENTATION

<https://frozenlist.aio-libs.org>



## COMMUNICATION CHANNELS

We have a *Matrix Space* [#aio-libs-space:matrix.org](#) which is also accessible via Gitter.



## REQUIREMENTS

- Python  $\geq 3.8$





## LICENSE

`frozenset` is offered under the Apache 2 license.



## SOURCE CODE

The project is hosted on [GitHub](#)

Please file an issue in the [bug tracker](#) if you have found a bug or have some suggestions to improve the library.



## AUTHORS AND LICENSE

The `frozenlist` package was originally part of the `aiohttp` project, written by Nikolay Kim and Andrew Svetlov. It is now being maintained by Martijn Pieters.

It's *Apache 2* licensed and freely available.

Feel free to improve this package and send a pull request to [GitHub](#).



## INDICES AND TABLES

- `genindex`
- `search`





## INDEX

### F

`freeze()` (*frozenset.FrozenSet method*), 3  
`frozenset` (*frozenset.FrozenSet attribute*), 3  
`frozenset.FrozenSet` (*built-in class*), 3