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# **frozenlist Documentation**

***Release 1.3.3***

**frozenlist contributors**

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

The list is *mutable* until `Frozenset.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 3.6 or newer.



## DOCUMENTATION

<https://frozenlist.readthedocs.io/>



## COMMUNICATION CHANNELS

*aio-libs discourse group:* <https://aio-libs.discourse.group>

Feel free to post your questions and ideas here.

*gitter chat* <https://gitter.im/aio-libs/Lobby>



## REQUIREMENTS

- Python  $\geq 3.6$





## 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](#).



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