
aiosignal Documentation

Release 1.3.1

aiosignal contributors

Jul 21, 2023

CONTENTS

1	API	3
2	Installation	5
3	Dependencies	7
4	Documentation	9
5	Communication channels	11
6	Requirements	13
7	License	15
8	Source code	17
9	Authors and License	19
10	Indices and tables	21
	Index	23

A project to manage callbacks in *asyncio* projects.

Signal is a list of registered asynchronous callbacks.

The signal's life-cycle has two stages: after creation its content could be filled by using standard list operations: `sig.append()` etc.

After you call `sig.freeze()` the signal is *frozen*: adding, removing and dropping callbacks is forbidden.

The only available operation is calling the previously registered callbacks by using `await sig.send(data)`.

For concrete usage examples see the `aiosignal:aiosignal-web-signals` section of the `aiosignal:web_advanced` chapter of the `aiosignal` documentation.

class `aiosignal.Signal(owner)`

The signal, implements the `collections.abc.MutableSequence` interface. The *owner* object is shown in the signal representation, and is there to make debugging easier.

async `send(*args, **kwargs)`

Call all registered callbacks one by one starting from the beginning of the list.

frozen

True if `freeze()` was called, read-only property.

freeze()

Freeze the list. After calling, any content modification is forbidden.

INSTALLATION

```
$ pip install aiosignal
```

The library requires Python 3.6 or newer.

DEPENDENCIES

aiosignal depends on the [frozenlist](#) library.

DOCUMENTATION

<https://aiosignal.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 ≥ 3.6
- `frozenset` $\geq 1.0.0$

LICENSE

`aiosignal` 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 `aiosignal` 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

A

`aiosignal.Signal` (*built-in class*), 3

F

`freeze()` (*aiosignal.Signal method*), 3

`frozen` (*aiosignal.Signal attribute*), 3

S

`send()` (*aiosignal.Signal method*), 3