
signalfd

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OVERVIEW

1.1 signalfd

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CFFI bindings for signalfd. Interface is mostly the same as <https://pypi.python.org/pypi/python-signalfd>

- Free software: BSD license

1.1.1 Installation

```
pip install signalfd
```

1.1.2 Usage

```
import signalfd

fd = signalfd.signalfd(-1, [signal.SIGUSR1], signalfd.SFD_CLOEXEC)
try:
    signalfd.sigprocmask(signalfd.SIG_BLOCK, [signal.SIGUSR1])

    while True:
        si = signalfd.read_siginfo(fd)
        print(si.ssi_signo)
finally:
    os.close(fd)
```

1.1.3 Documentation

<https://python-signalfd.readthedocs.org/>

1.1.4 Development

To run the all tests run:

```
tox
```


INSTALLATION

At the command line:

```
pip install signalfd
```


USAGE

To use signalfd in a project:

```
import signalfd
```


REFERENCE

4.1 signalfd

Simple wrapper around the signalfd syscall.

exception `signalfd.UnknownError`

CONTRIBUTING

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

5.1 Bug reports

When [reporting a bug](#) please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

5.2 Documentation improvements

signalfd could always use more documentation, whether as part of the official signalfd docs, in docstrings, or even on the web in blog posts, articles, and such.

5.3 Feature requests and feedback

The best way to send feedback is to file an issue at <https://github.com/ionelmc/python-signalfd/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

5.4 Development

To set up *python-signalfd* for local development:

1. Fork [python-signalfd on GitHub](#).
2. Clone your fork locally:

```
git clone git@github.com:your_name_here/python-signalfd.git
```

3. Create a branch for local development:

```
git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

4. When you're done making changes, run all the checks, doc builder and spell checker with `tox` one command:

```
tox
```

5. Commit your changes and push your branch to GitHub:

```
git add .
git commit -m "Your detailed description of your changes."
git push origin name-of-your-bugfix-or-feature
```

6. Submit a pull request through the GitHub website.

5.4.1 Pull Request Guidelines

If you need some code review or feedback while you're developing the code just make the pull request.

For merging, you should:

1. Include passing tests (run `tox`)¹.
2. Update documentation when there's new API, functionality etc.
3. Add a note to `CHANGELOG.rst` about the changes.
4. Add yourself to `AUTHORS.rst`.

5.4.2 Tips

To run a subset of tests:

```
tox -e envname -- py.test -k test_myfeature
```

To run all the test environments in *parallel* (you need to `pip install detox`):

```
detox
```

¹ If you don't have all the necessary python versions available locally you can rely on Travis - it will [run the tests](#) for each change you add in the pull request.
It will be slower though ...

AUTHORS

- Ionel Cristian Mărieș - <http://blog.ionelmc.ro>

CHANGELOG

7.1 0.4.0 (2015-08-25)

- Corrected return value for `sigprocmask`.

7.2 0.3.0 (2015-08-24)

- Corrected error handling in `signalfd` and `sigprocmask` wrappers.

7.3 0.2.0 (2015-08-24)

- Changed `read_siginfo` so it raises `IOError` in case is used with a file object and `.readinto()` would return `None` (not enough data available).

7.4 0.1.0 (2015-08-23)

- First release on PyPI.

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