
fullcoverage Documentation

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Louis Paternault

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Warning: In case this is not clear enough: *this module is a joke !* Do not use it. It is not dangerous; it is just useless.

Nowadays, every trendy project has a collection of shiny littel badges. They look great, but they can be hard to get. This modules is here to help you to get the 100 % test coverage badge, without any effort.

- *What's new?*
- *Download and install*
- *How-to*
- *Bugs and Limitations*
- *FAQ*

What's new?

See changelog.

Download and install

- From sources:
 - Download: <https://pypi.python.org/pypi/fullcoverage>
 - Install (in a *virtualenv*, if you do not want to mess with your distribution installation system):

```
python3 setup.py install
```

- From pip:

```
pip install fullcoverage
```

- Quick and dirty Debian (and Ubuntu?) package

This requires [stdeb](#) to be installed:

```
python3 setup.py --command-packages=stdeb.command bdist_deb  
sudo dpkg -i deb_dist/fullcoverage-<VERSION>_all.deb
```

How-to

Let's say you want to get your module `foobar` thoroughly covered.

1. Install *fullcoverage*:

```
pip install fullcoverage
```

2. Enable this plugin. That is, in the `.coveragerc` file of `foobar`, have the lines:

```
[run]
plugins = fullcoverage.plugin
```

3. Optionnaly, if you want to restrict the test report to your module, you can add, in the same `.coveragerc` file:

```
[fullcoverage.plugin]
source = foobar
```

4. If you already have tests that import all of `foobar` submodules, that's it. Otherwise, somewhere in your tests, have the following lines import everything in your module:

```
import foobar
import fullcoverage

fullcoverage.import_all(foobar)
```

5. That's it! You can now run your tests:

```
coverage run --source foobar -m unittest
coverage report --fail-under=100
```

Bugs and Limitations

- This does not work with `doctest`. Please feel free to [send a patch](#).
- This only works with python 3.5. Please feel free to [send a patch](#).
- Even though tests cover 100 % of your module, it may still contain bugs.

FAQ

- Isn't it dangerous? Are you running every line of a module to get 100 % test coverage? What if you run a line `shutil.rmtree('/')` ?

This plugins does not run random line of codes. It imports every plugin that is to be covered, but it cheats `coverage` into thinking they were thoroughly tested, without testing anything. If your module is safe to import, it is safe to use `fullcoverage`. If your module is not safe to import, fix your module.

- If your plugin is so great, why aren't you showing off with one of those *100 % coverage* badges?

Well, `fullcoverage` is hosted on a [Gitlab instance](#), which *does not provide those badges yet*. But this plugin is implemented to test itself, and *it is thoroughly covered by tests*.