
matrix

Release 2.0.1

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Overview

docs	
tests	
package	

Generic matrix generator.

- Free software: BSD license

Installation

```
pip install matrix
```

Documentation

<https://python-matrix.readthedocs.io/>

Development

To run the all tests run:

```
tox
```

Note, to combine the coverage data from all the tox environments run:

Windows	set PYTEST_ADDOPTS=--cov-append tox
Other	PYTEST_ADDOPTS=--cov-append tox

Installation

At the command line:

```
pip install matrix
```

Usage

To use matrix in a project:

```
import matrix
```

Reference

matrix

`matrix.from_config(config)`

Generate a matrix from a configuration dictionary.

`matrix.from_file(filename, section='matrix')`

Generate a matrix from a .ini file. Configuration is expected to be in a `[matrix]` section.

`matrix.from_string(string, section='matrix')`

Generate a matrix from a .ini file. Configuration is expected to be in a `[matrix]` section.

Contributing

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

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.

Documentation improvements

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

Feature requests and feedback

The best way to send feedback is to file an issue at <https://github.com/ionelmc/python-matrix/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 code contributions are welcome :)

Development

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

1. Fork [python-matrix](#) (look for the “Fork” button).
2. Clone your fork locally:

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

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`.

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 - <https://blog.ionelmc.ro>

Changelog

2.0.0 (2016-02-03)

- Switch to configparser2 (the Python 3.5 backport)
- Drop Python 2.6 support.

1.3.1 (2015-04-15)

- Fix the samefile check on windows.

1.3.0 (2015-04-15)

- Added an optional `[cli]` extra (use `pip install matrix[cli]`) that enables a `matrix-render` command. The new command loads configuration and passes the generated matrix to the given Jinja2 templates.

1.2.0 (2015-04-03)

- Fix handling when having aliased entries that have empty (“-”) values.

1.1.0 (2015-02-12)

- Add support for empty inclusions/exclusions.

1.0.0 (2014-08-09)

- Fix Python 2.6 support.
- Add support for really empty entries (leave completely empty instead of “-”)

0.5.0 (2014-08-09)

- Fix Python 3 support.

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