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# **psst Documentation**

***Release 0.1.0***

**Dheepak Krishnamurthy**

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Power System Simulation Toolbox

- Free software: MIT license
- Documentation: <https://psst.readthedocs.io>.

## 1.1 Features

- TODO

Contents:

### 1.1.1 Installation

#### Stable release

To install psst, run this command in your terminal:

```
$ pip install psst
```

This is the preferred method to install psst, as it will always install the most recent stable release.

If you don't have [pip](#) installed, this [Python installation guide](#) can guide you through the process.

#### From sources

The sources for psst can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/power-system-simulation-toolbox/psst
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/power-system-simulation-toolbox/psst/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```

### 1.1.2 Usage

To use psst in a project:

```
import psst
```

### 1.1.3 Contributing

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

You can contribute in many ways:

#### Types of Contributions

##### Report Bugs

Report bugs at <https://github.com/power-system-simulation-toolbox/psst/issues>.

If you are 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.

##### Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

##### Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

##### Write Documentation

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

##### Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/power-system-simulation-toolbox/psst/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 :)

## Get Started!

Ready to contribute? Here's how to set up *psst* for local development.

1. Fork the *psst* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/psst.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv psst
$ cd psst/
$ python setup.py develop
```

4. Create a branch for local development:

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

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 psst tests
$ python setup.py test or py.test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. 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
```

7. Submit a pull request through the GitHub website.

## Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.6, 2.7, 3.3, 3.4 and 3.5, and for PyPy. Check [https://travis-ci.org/power-system-simulation-toolbox/psst/pull\\_requests](https://travis-ci.org/power-system-simulation-toolbox/psst/pull_requests) and make sure that the tests pass for all supported Python versions.

## Tips

To run a subset of tests:

```
$ py.test tests.test_psst
```

## 1.1.4 Credits

### Development Lead

- Dheepak Krishnamurthy <kdheepak89@gmail.com>

### Contributors

None yet. Why not be the first?

## 1.1.5 History

### 0.1.0 (2016-09-17)

- First release on PyPI.



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## Indices and tables

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