

---

# **watdarepo Documentation**

*Release 0.3.0*

**Daniel Greenfeld**

December 19, 2016



<b>1</b>	<b>watdarepo</b>	<b>3</b>
1.1	Features . . . . .	3
1.2	Usage . . . . .	3
1.3	Related Projects . . . . .	4
<b>2</b>	<b>Installation</b>	<b>5</b>
<b>3</b>	<b>Usage</b>	<b>7</b>
<b>4</b>	<b>Contributing</b>	<b>9</b>
4.1	Types of Contributions . . . . .	9
4.2	Get Started! . . . . .	10
4.3	Pull Request Guidelines . . . . .	10
4.4	Tips . . . . .	11
<b>5</b>	<b>Credits</b>	<b>13</b>
5.1	Development Lead . . . . .	13
5.2	Contributors . . . . .	13
<b>6</b>	<b>History</b>	<b>15</b>
6.1	0.3.0 (2013-09-17) . . . . .	15
6.2	0.2.0 (2013-09-08) . . . . .	15
6.3	0.1.0 (2013-09-08) . . . . .	15
<b>7</b>	<b>Indices and tables</b>	<b>17</b>



Contents:



---

## watdarepo

---

Determines type and host of a repo.

- Free software: BSD license
- Documentation: <http://watdarepo.rtfid.org>.

### 1.1 Features

Works to some degree with the following VCS:

- Git
- Mercurial
- SVN
- BZR

Works to some degree with the following hosting services:

- GitHub
- BitBucket
- GitLab
- Gitorious
- Sourceforge

### 1.2 Usage

```
>>> from watdarepo import watdarepo
>>> watdarepo("https://github.com/pydanny/watdarepo")
{
  u'vcs': u'git',
  u'hosting_service': u'github',
  u'repo_url': u'https://github.com/pydanny/watdarepo'
}
```

## 1.3 Related Projects

- **Dulwich** is a Python Git API and does not have any discovery features.
- **VCS** works with both Git and Mercurial, incorporates Dulwich, but does not appear to have any discovery features.

---

## Installation

---

At the command line:

```
$ easy_install watdarepo
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv watdarepo  
$ pip install watdarepo
```



---

## Usage

---

To use watdarepo in a project:

```
>>> from watdarepo import watdarepo
>>> watdarepo("https://github.com/pydanny/watdarepo")
{
    u'vcs': u'git',
    u'hosting_service': u'github',
    u'repo_url': u'https://github.com/pydanny/watdarepo'
}
```



---

## 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:

### 4.1 Types of Contributions

#### 4.1.1 Report Bugs

Report bugs at <https://github.com/pydanny/watdarepo/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.

#### 4.1.2 Fix Bugs

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

#### 4.1.3 Implement Features

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

#### 4.1.4 Write Documentation

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

#### 4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/pydanny/watdarepo/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 :)

## 4.2 Get Started!

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

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

```
$ git clone git@github.com:your_name_here/watdarepo.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 watdarepo
$ cd watdarepo/
$ python setup.py develop
```

4. Install the development requirements:

```
$ pip install -r requirements-dev.txt
```

5. Create a branch for local development:

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

Now you can make your changes locally.

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

```
$ flake8 watdarepo tests
    $ python setup.py test
$ tox
```

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

7. 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
```

8. Submit a pull request through the GitHub website.

## 4.3 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, and 3.3, and for PyPy. Check [https://travis-ci.org/pydanny/watdarepo/pull\\_requests](https://travis-ci.org/pydanny/watdarepo/pull_requests) and make sure that the tests pass for all supported Python versions.

## 4.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_main
```



**Credits**

---

## 5.1 Development Lead

- Daniel Greenfeld <pydanny@gmail.com>

## 5.2 Contributors

- Flavio Curella



### 6.1 0.3.0 (2013-09-17)

- Allows for overrides of default repo\_aliases and hosting services.

### 6.2 0.2.0 (2013-09-08)

- Improved test coverage to 100%.
- Added coveralls.
- Better analysis of repos.

### 6.3 0.1.0 (2013-09-08)

- First release on PyPI.



---

## Indices and tables

---

- `genindex`
- `modindex`
- `search`