
watdarepo Documentation

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Daniel Greenfeld

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Contents:

Determines type and host of a repo.

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

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

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'
}
```

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.

CHAPTER 2

Installation

At the command line:

```
$ easy_install watdarepo
```

Or, if you have virtualenvwrapper installed:

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


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'
}
```


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/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.

Fix Bugs

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

Implement Features

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

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.

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 :)

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.

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 and make sure that the tests pass for all supported Python versions.

Tips

To run a subset of tests:

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


CHAPTER 5

Credits

Development Lead

- Daniel Greenfeld <pydanny@gmail.com>

Contributors

- Flavio Curella

0.3.0 (2013-09-??)

- Allows for overrides of default repo_aliases and hosting services.

0.2.0 (2013-09-08)

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

0.1.0 (2013-09-08)

- First release on PyPI.

CHAPTER 7

Indices and tables

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