git-toggle

Release 0.1.1

Toggle Git remotes between https and ssh.

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Installation

1.1 from PyPI

```
$ python3 -m pip install git-toggle --user
```

1.2 from GitHub

```
$ python3 -m pip install git+https://github.com/domdfcoding/git-toggle@master --user
```

1.3 API Reference

Toggle Git remotes between https and ssh.

Classes:

Remote(style, domain, repo, username)	Represents a remote repository.
Toggler(repo, *args, **kwargs)	Toggle Git remotes between https and ssh.

class Remote (*style*, *domain*, *repo*, *username*)

Bases: object

Represents a remote repository.

Parameters

- **style** (str) – The style of remote.
- **domain** (str) – The domain of the remote.
- **repo** (str) – The repository the remote points to.
- **username** (str) – The account on the remote server which owns the repository.

Methods:

as_url()	Returns the apeye.url.URL representation of the :class;`~.Remote`.
from_url(url)	Construct a *Remote* from a url.
set_repo(repo)	If repo is not None, set *repo* to that value.
set_username(username)	If username is not None, set *username* to that value.

Attributes:

domain	The domain of the remote.
repo	The repository the remote points to.
style	The style of remote.
username	The account on the remote server which owns the repository.

as_url()
Returns the apeye.url.URL representation of the :class;` ~.Remote`.

Return type URL

Returns

domain
Type: str

The domain of the remote.

classmethod from_url(*url*)
Construct a *Remote* from a url.

Parameters **url** (Union[str, URL])

Return type *Remote*

repo
Type: str

The repository the remote points to.

set_repo(*repo*)
If repo is not None, set *repo* to that value.

Parameters **repo** (Optional[str])

Returns The new value of *repo*

set_username(*username*)
If username is not None, set *username* to that value.

Parameters **username** (Optional[str])

Returns The new value of *username*

style
Type: Literal['https', 'ssh']

The style of remote.

username
Type: str

The account on the remote server which owns the repository.

class Toggler(*repo*, **args*, ***kwargs*)
Bases: Repo

Toggle Git remotes between https and ssh.

Parameters **repo** (Union[Repo, str, Path, PathLike]) – The repository to toggle remotes for.

Methods:

get_current_remote([name])	Return the current remote.
set_current_remote(url[, name])	Set the current remote.

get_current_remote(*name='origin'*)
Return the current remote.

Parameters **name** (str) – If given, try to retrieve the remote with that name. If no such remote exists returns the `origin` remote. Default `'origin'`.

If no remote can be found an empty string will be returned.

Return type str

set_current_remote(*url*, *name='origin'*)
Set the current remote.

Parameters

- **url** (Union[str, URL, *Remote*]) – The URL to set for the remote.
- **name** (str) – The name of the remote to set. Default `'origin'`.

1.4 Contributing

`git-toggle` uses tox to automate testing and packaging, and pre-commit to maintain code quality.

Install `pre-commit` with `pip` and install the git hook:

```
$ python -m pip install pre-commit
$ pre-commit install
```

1.4.1 Coding style

formate is used for code formatting.

It can be run manually via `pre-commit`:

```
$ pre-commit run formate -a
```

Or, to run the complete autoformatting suite:

```
$ pre-commit run -a
```

1.4.2 Automated tests

Tests are run with `tox` and `pytest`. To run tests for a specific Python version, such as Python 3.6:

```
$ tox -e py36
```

To run tests for all Python versions, simply run:

```
$ tox
```

1.4.3 Type Annotations

Type annotations are checked using `mypy`. Run `mypy` using `tox`:

```
$ tox -e mypy
```

1.4.4 Build documentation locally

The documentation is powered by Sphinx. A local copy of the documentation can be built with `tox`:

```
$ tox -e docs
```

1.5 Downloading source code

The `git-toggle` source code is available on GitHub, and can be accessed from the following URL: https://github.com/domdfcoding/git-toggle

If you have `git` installed, you can clone the repository with the following command:

```
$ git clone https://github.com/domdfcoding/git-toggle
```

```
Cloning into 'git-toggle'...
remote: Enumerating objects: 47, done.
remote: Counting objects: 100% (47/47), done.
remote: Compressing objects: 100% (41/41), done.
remote: Total 173 (delta 16), reused 17 (delta 6), pack-reused 126
Receiving objects: 100% (173/173), 126.56 KiB | 678.00 KiB/s, done.
Resolving deltas: 100% (66/66), done.
```

Alternatively, the code can be downloaded in a 'zip' file by clicking:
Clone or download –> Download Zip

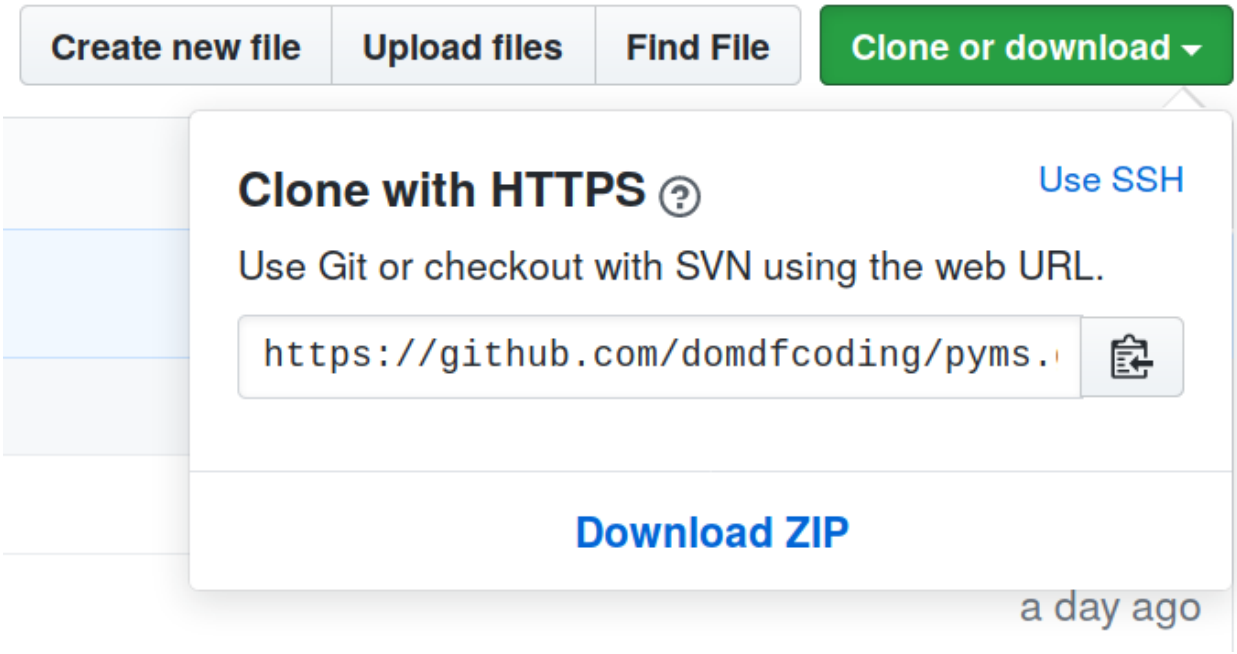

Fig. 1: Downloading a 'zip' file of the source code

1.5.1 Building from source

The recommended way to build `git-toggle` is to use tox:

```
$ tox -e build
```

The source and wheel distributions will be in the directory `dist`.

If you wish, you may also use pep517.build or another **PEP 517**-compatible build tool.

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```
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