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# **repo-helper**

*Release 2022.4.4*

**A tool to manage configuration files, build scripts etc.  
across multiple projects.**

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This project is in an early stage, and some things might not work correctly or break in a new release.

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**Note:** The autocommit functionality is currently broken on Windows, but works OK on Linux and macOS.

---



## Installation

### 1.1 from PyPI

```
$ python3 -m pip install repo_helper --user
```

### 1.2 from Anaconda

First add the required channels

```
$ conda config --add channels https://conda.anaconda.org/conda-forge  
$ conda config --add channels https://conda.anaconda.org/domdfcoding
```

Then install

```
$ conda install repo_helper
```

### 1.3 from GitHub

```
$ python3 -m pip install git+https://github.com/repo-helper/repo_helper@master --user
```





## Configuration

### 2.1 Overview

Place configuration options in a file called `repo_helper.yml` in the repository root.

Options are defined like so:

```
modname: repo_helper
copyright_years: "2020"
author: "Dominic Davis-Foster"
email: "dominic@example.com"
version: "0.0.1"
username: "domdfcoding"
license: 'LGPLv3+'
short_desc: 'Update multiple configuration files, build scripts etc. from a single_
↳location'
```

### 2.2 Metadata

#### **author**

The name of the package author.

Example:

```
author: Dominic Davis-Foster
```

**Required:** yes

**Type:** String

#### **classifiers**

A list of “trove classifiers” for PyPI.

Example:

```
classifiers:
- "Environment :: Console"
```

Classifiers are automatically added for the supported Python versions and implementations, and for most licenses.

**Required:** no

**Default:** []

**Type:** Sequence of String

### copyright\_years

The `copyright_years` of the package.

Examples:

```
version: 2020
```

or

```
version: 2014-2019
```

**Required:** yes

**Type:** String or Integer

### email

The email address of the author or maintainer.

Example:

```
email: dominic@example.com
```

**Required:** yes

**Type:** String

### import\_name

The name the package is imported with, if different to *modname*.

Example:

```
import_name: repo_helper
```

**Required:** no

**Default:** The value of *modname*

**Type:** String

### keywords

A list of keywords for the project.

Example:

```
keywords:  
- version control  
- git  
- template
```

**Required:** no

**Default:** [ ]

**Type:** Sequence of String

### license

The license for the project.

Example:

```
license: GPLv3+
```

Currently understands LGPLv3, LGPLv3, GPLv3, GPLv3, GPLv2 and BSD.

**Required:** yes

**Type:** String

#### modname

The name of the package.

Example:

```
modname: repo_helper
```

**Required:** yes

**Type:** String

#### on\_pypi

Flag to indicate the package is available on PyPI.

Example:

```
on_pypi: True
```

**Required:** no

**Default:** True

**Type:** Boolean

#### pure\_python

Flag to indicate the package is pure Python.

Example:

```
pure_python: True
```

**Required:** no

**Default:** True

**Type:** Boolean

#### pypi\_name

The name of project on PyPI, if different to *modname*.

Example:

```
pypi_name: git-helper
```

**Required:** no

**Default:** The value of *modname*

**Type:** String

**conda\_name**

The name of project on conda, if different to *modname*.

New in version \$VERSION.

Example:

```
conda_name: git-helper
```

**Required:** no

**Default:** The value of *modname*

**Type:** String

**repo\_name**

The name of GitHub repository, if different to *modname*.

Example:

```
repo_name: repo_helper
```

**Required:** no

**Default:** The value of *modname*

**Type:** String

**short\_desc**

A short description of the project. Used by PyPI.

Example:

```
short_desc: This is a short description of my project.
```

**Required:** yes

**Type:** String

**source\_dir**

The directory containing the source code of the project.

Example:

```
source_dir: src
```

By default this is the repository root

**Required:** no

**Default:** <blank>

**Type:** String

**stubs\_package**

Flag to indicate the package is a PEP 561 stubs package.

Example:

```
stubs_package: True
```

**Required:** no

**Default:** `False`

**Type:** Boolean

#### **username**

The username of the GitHub account hosting the repository.

Example:

```
username: domdfcoding
```

**Required:** yes

**Type:** String

#### **version**

The version of the package.

Example:

```
version: 0.0.1
```

**Required:** yes

**Type:** String or Float

#### **assignee**

The username of the GitHub account to assign issues to.

Defaults to `username` if unset.

Example:

```
username: repo-helper  
assignee: domdfcoding
```

New in version 2020.11.23.

**Required:** no

**Default:** The value of `username`

**Type:** String

## 2.3 Optional features

#### **docker\_name**

The name of the docker image on dockerhub.

Example:

```
docker_name: domdfcoding/fancy_docker_image
```

**Required:** no

**Default:** <blank>

**Type:** String

#### **docker\_shields**

Whether shields for docker container image size and build status should be shown.

Example:

```
docker_shields: True
```

**Required:** no

**Default:** False

**Type:** Boolean

#### **enable\_pre\_commit**

Whether pre-commit should be installed and configured.

Example:

```
enable_pre_commit: True
```

**Required:** no

**Default:** True

**Type:** Boolean

#### **enable\_releases**

Whether packages should be copied from PyPI to GitHub Releases.

Example:

```
enable_releases: True
```

**Required:** no

**Default:** True

**Type:** Boolean

## 2.4 Python versions

#### **python\_deploy\_version**

The version of Python to use on Travis when deploying to PyPI, Anaconda and GitHub releases.

Example:

```
python_deploy_version: 3.8
```

**Required:** no

**Default:** 3.8

**Type:** String or Float

#### **python\_versions**

A list of the version(s) of Python to use when performing tests with Tox, e.g.

**python\_versions:**

- 3.6
- 3.7
- 3.8
- pypy3

If undefined the value of `python_deploy_version` is used instead.

For more advanced configuration, this may instead be a mapping of version number strings to mappings of options, e.g.:

**python\_versions:**

```
3.6:
3.7:
3.8:
pypy3:
  experimental: false
```

PyPy 3.7 and prerelease versions of CPython are treated as experimental by default unless overridden.

Changed in version 2022.4.4: Added support for mappings as well as lists.

**Required:** no

**Default:** The value of `_default_python_versions`

**Type:** Sequence or Mapping

**requires\_python**

The minimum required version of Python.

Example:

```
requires_python: 3.6.1
```

New in version 2021.2.18.

**Required:** no

**Default:** None

**Type:** String or Float

**third\_party\_version\_matrix**

A mapping of third party library names to the version number(s) to test.

The special value “latest” indicates the latest version of the library should be used.

**third\_party\_version\_matrix:**

```
attrs:
- 19.3
- 20.1
- 20.2
- latest
```

This would translate into the following tox testenvs:

```
py36-attrs{19.3,20.1,20.2,latest}
```

and the following tox requirements:

```
attrs19.3: attrs~=19.3.0
attrs20.1: attrs~=20.1.0
attrs20.2: attrs~=20.2.0
attrslatest: attrs
```

which is `<name>~={<version>}.0`.

New in version 2020.12.21.

---

**Note:** Currently matrices are only supported for a single third-party requirement.

---

**Required:** no

**Default:** { }

**Type:** Mapping of String to Sequence of String or Float

The lowest version of Python given above is used to set the minimum supported version for Pip, PyPI, setuptools etc.

## 2.5 Packaging

### **additional\_requirements\_files**

A list of files containing additional requirements.

These may define “extras” (see [extras\\_require](#)). Used in `.readthedocs.yml`.

Example:

```
additional_requirements_files:
  - submodule/requirements.txt
```

This list is automatically populated with any filenames specified in [extras\\_require](#).

Any files specified here are listed in `MANIFEST.in` for inclusion in distributions.

**Required:** no

**Default:** [ ]

**Type:** Sequence of String

### **additional\_setup\_args**

A dictionary of additional keyword arguments for `setuptools.setup()`. The values can refer to variables in `__pkginfo__.py`. String values MUST be enclosed in quotes here.

Example:

```
additional_setup_args:
  author: "'Dominic Davis-Foster'"
  entry_points: "None"
```

**Required:** no

**Default:** { }

**Type:** Mapping of String to String



**console\_scripts**

A list of entries for `console_scripts` in `setup.py`. Each entry must follow the same format as required in `setup.py`.

Example:

```
console_scripts:
- "repo_helper = repo_helper.__main__:main"
- "git-helper = repo_helper.__main__:main"
```

**Required:** no

**Default:** []

**Type:** Sequence of String

**extras\_require**

A dictionary of extra requirements, where the keys are the names of the extras and the values are a list of requirements.

Example:

```
extras_require:
  extra_a:
    - pytz >=2019.1
```

or

```
extras_require:
  extra_a: pytz >=2019.1
```

or

```
extras_require:
  extra_a: < a filename >
```

**Required:** no

**Default:** { }

**Type:** Mapping of String to String

**manifest\_additional**

A list of additional entries for `MANIFEST.in`.

Example:

```
manifest_additional:
- "recursive-include: repo_helper/templates *"
```

**Required:** no

**Default:** []

**Type:** Sequence of String

**platforms**

A case-insensitive list of platforms to perform tests for.

Example:

```
platforms:  
- Windows  
- macOS  
- Linux
```

These values determine the GitHub test workflows to enable, and the Trove classifiers used on PyPI.

**Required:** no

**Default:** ['Windows', 'macOS', 'Linux']

**Type:** Sequence of 'Windows' or 'macOS' or 'Linux'

**Allowed values:** Windows, macOS, Linux

### py\_modules

A list of values for `py_modules` in `setup.py`, which indicate the single-file modules to include in the distributions.

Example:

```
py_modules:  
- domdf_spreadsheet_tools
```

**Required:** no

**Default:** []

**Type:** Sequence of String

### setup\_pre

A list of additional python lines to insert at the beginning of `setup.py`.

Example:

```
setup_pre:  
- import datetime  
- print(datetime.datetime.today())
```

**Required:** no

**Default:** []

**Type:** Sequence of String

### entry\_points

A mapping of entry point categories to a list of entries for each category.

Each entry should be valid as per <https://packaging.python.org/specifications/entry-points/>

Example:

```
entry_points:  
  pytest11:  
    - "nbval = nbval.plugin"
```

**Required:** no

**Default:** { }

**Type:** Mapping of String to Sequence of String

**use\_whey**

Whether to use [whey](#) to build distributions, rather than `setuptools.build_meta`.

New in version 2021.3.8.

**Required:** no

**Default:** `False`

**Type:** Boolean

**use\_flit**

Whether to use [flit](#) to build distributions, rather than `setuptools.build_meta`.

New in version 2022.4.4.

---

**Note:** Support for flit is provisional and experimental.

---

**Required:** no

**Default:** `False`

**Type:** Boolean

**use\_maturin**

Whether to use [maturin](#) to build distributions, rather than `setuptools.build_meta`.

New in version \$VERSION.

---

**Note:** Support for maturin is provisional and experimental.

---

**Required:** no

**Default:** `False`

**Type:** Boolean

**use\_hatch**

Whether to use [hatch](#) to build distributions, rather than `setuptools.build_meta`.

New in version \$VERSION.

---

**Note:** Support for hatch is provisional and experimental.

---

**Required:** no

**Default:** `False`

**Type:** Boolean

## 2.6 Documentation

### **docs\_dir**

The directory containing the docs code of the project.

Example:

```
docs_dir: docs
```

**Required:** no

**Default:** doc-source

**Type:** String

### **enable\_docs**

Whether documentation should be built and deployed.

Example:

```
enable_docs: True
```

**Required:** no

**Default:** True

**Type:** Boolean

### **extra\_sphinx\_extensions**

A list of additional extensions to enable for Sphinx.

Example:

```
extra_sphinx_extensions:  
- "sphinxcontrib.httpdomain"
```

These must also be listed in doc-source/requirements.txt.

**Required:** no

**Default:** []

**Type:** Sequence of String

### **html\_context**

A dictionary of configuration values for the documentation HTML context.

String values must be encased in quotes.

Example:

```
html_context:  
  display_github: True  
  github_user: "'domdfcoding'"
```

**Required:** no

**Default:** { }

**Type:** Mapping of String to anything

**html\_theme\_options**

A dictionary of configuration values for the documentation HTML theme.

String values must be encased in quotes.

Example:

```
html_theme_options:
  logo_only: False
  fixed_sidebar: "'false'"
  github_type: "'star'"
```

**Required:** no

**Default:** { }

**Type:** Mapping of String to anything

**intersphinx\_mapping**

A list of additional entries for `intersphinx_mapping` for Sphinx.

Each entry must be enclosed in double quotes.

Example:

```
intersphinx_mapping:
  - "'rtd': ('https://docs.readthedocs.io/en/latest/', None)"
```

**Required:** no

**Default:** [ ]

**Type:** Sequence of String

**preserve\_custom\_theme**

Whether custom documentation theme styling in `_static/style.css` and `_templates/layout.html` should be preserved.

Example:

```
preserve_custom_theme: True
```

**Required:** no

**Default:** `False`

**Type:** Boolean

**rtfd\_author**

The name of the author to show on ReadTheDocs, if different.

Example:

```
rtfd_author: Dominic Davis-Foster and Joe Bloggs
```

**Required:** no

**Default:** The value of `author`

**Type:** String

### **sphinx\_conf\_epilogue**

Like `sphinx_conf_preamble`, but the lines are inserted at the end of the file.

Indent lines with a single tab to form part of the `setup` function.

**Required:** no

**Default:** []

**Type:** Sequence of String

### **sphinx\_conf\_preamble**

A list of lines of Python code to add to the top of `conf.py`.

These could be additional settings for Sphinx or calls to extra scripts that must be executed before building the documentation.

Example:

```
sphinx_conf_preamble:
- "import datetime"
- "now = datetime.datetime.now()"
- "strftime = now.strftime('%H:%M') "
- "print(f'Starting building docs at {strftime}.')"
```

**Required:** no

**Default:** []

**Type:** Sequence of String

### **sphinx\_html\_theme**

The HTML theme to use for Sphinx.

Also adds the appropriate values to `extra_sphinx_extensions`, `html_theme_options`, and `html_context_options`.

Example:

```
sphinx_html_theme: alabaster
```

Currently, the supported themes are `sphinx_rtd_theme`, `domdf_sphinx_theme`, `alabaster`, and `furo`.

**Required:** no

**Default:** `domdf-sphinx-theme`

**Type:** `'sphinx_rtd_theme'` or `'sphinx-rtd-theme'` or `'alabaster'` or `'repo_helper_sphinx_theme'` or `'repo-helper-sphinx-theme'` or `'domdf_sphinx_theme'` or `'domdf-sphinx-theme'` or `'furo'`

**Allowed values:** `sphinx_rtd_theme`, `sphinx-rtd-theme`, `alabaster`, `repo_helper_sphinx_theme`, `repo-helper-sphinx-theme`, `domdf_sphinx_theme`, `domdf-sphinx-theme`, `furo`

### **standalone\_contrib\_guide**

Whether the contributing guide for the documentation should be a standalone page.

Example:

```
standalone_contrib_guide: True
```

**Required:** no

**Default:** `False`

**Type:** Boolean

#### **docs\_url**

The URL of the documentation, if it uses a custom domain. Default `https://{repo_name}.readthedocs.io`.

Example:

```
docs_url: docs.repo-helper.uk
```

**Required:** no

**Default:** None

**Type:** String

#### **docs\_fail\_on\_warning**

Whether the documentation check on GitHub Actions should fail on warnings.

Example:

```
docs_fail_on_warning: True
```

New in version 2021.2.18.

**Required:** no

**Default:** `False`

**Type:** Boolean

## 2.7 Testing

#### **enable\_tests**

Whether tests should be performed with pytest.

Example:

```
enable_tests: True
```

**Required:** no

**Default:** `True`

**Type:** Boolean

#### **mypy\_deps**

A list of additional packages to install in Tox when running mypy. Usually type stubs.

```
mypy_deps:  
- docutils-stubs  
- webcolors-stubs  
- gi-stubs
```

**Required:** no

**Default:** []

**Type:** Sequence of String

#### **extra\_lint\_paths**

A list of additional files or directories to check with flake8 and mypy.

```
extra_lint_paths:  
- tools  
- utils  
- demo.py
```

New in version 2022.4.4.

**Required:** no

**Default:** []

**Type:** Sequence of String

#### **extra\_testenv\_commands**

A list of additional commands to run in the primary testenv, after running the tests themselves.

```
extra_testenv_commands:  
- python coverage-fixup.py
```

New in version 2022.4.4.

**Required:** no

**Default:** []

**Type:** Sequence of String

#### **mypy\_plugins**

A list of plugins to enable for mypy.

Example:

```
mypy_plugins:  
- /one/plugin.py  
- other.plugin  
- custom_plugin:custom_entry_point
```

See [https://mypy.readthedocs.io/en/stable/extending\\_mypy.html#extending-mypy-using-plugins](https://mypy.readthedocs.io/en/stable/extending_mypy.html#extending-mypy-using-plugins) for more info.

**Required:** no

**Default:** []

**Type:** Sequence of String

#### **tests\_dir**

The directory containing tests, relative to the repository root.

```
tests_dir: "tests"
```



If undefined it is assumed to be `tests`.

**Required:** no

**Default:** `tests`

**Type:** String

### **tox\_build\_requirements**

A list of additional Python build requirements for Tox.

Example:

```
tox_build_requirements:  
- setuptools
```

**Required:** no

**Default:** `[]`

**Type:** Sequence of String

### **tox\_requirements**

A list of additional Python requirements for Tox.

Example:

```
tox_requirements:  
- flake8
```

**Required:** no

**Default:** `[]`

**Type:** Sequence of String

### **tox\_testenv\_extras**

The “Extra” requirement to install when installing the package in the Tox testenv.

See <https://setuptools.readthedocs.io/en/latest/setuptools.html#declaring-extras-optional-features-with-their-own-dependencies>

Example:

```
tox_testenv_extras:  
- docs
```

**Required:** no

**Default:** `<blank>`

**Type:** String

### **mypy\_version**

The version of mypy to use.

Example:

```
mypy_version: 0.790
```

Changed in version 2021.2.18: The default is now 0.800

Changed in version 2021.8.11: The default is now 0.910

Changed in version 2022.4.4: The default is now 0.931

Changed in version \$VERSION: The default is now 0.971

**Required:** no

**Default:** 0.971

**Type:** String or Float

#### **enable\_devmode**

Enable [Python Development Mode](#) when running tests.

Example:

```
enable_devmode: True
```

**Required:** no

**Default:** True

**Type:** Boolean

#### **tox\_unmanaged**

A list of section names in `tox.ini` which should not be managed by `repo-helper`.

Example:

```
tox_unmanaged:  
- "testenv"  
- "flake8"
```

**Required:** no

**Default:** []

**Type:** Sequence of String

#### **min\_coverage**

The minimum permitted test coverage percentage.

Example:

```
mypy_version: 0.790
```

New in version 2020.1.27.

**Required:** no

**Default:** 80

**Type:** String or Float

#### **github\_ci\_requirements**

Additional steps to run in GitHub actions before and after installing dependencies.

New in version 2021.8.11.

Example:

```
github_ci_requirements:
  Linux:
    pre:
      - sudo apt update
      - sudo apt install python3-gi
  macOS:
    post:
      - "Installation Complete!"
```

**Required:** no

**Default:** { }

**Type:** Mapping of String to Mapping of String to Sequence of String

## 2.8 Travis

Options for configuring Travis.

<https://travis-ci.com>

### **travis\_additional\_requirements**

A list of additional Python requirements for Travis.

Example:

```
travis_additional_requirements:
  - pbr
```

**Required:** no

**Default:** [ ]

**Type:** Sequence of String

### **travis\_extra\_install\_post**

Additional steps to run in Travis after installing dependencies.

Example:

```
travis_extra_install_post:
  - echo "Installation Complete!"
```

**Required:** no

**Default:** [ ]

**Type:** Sequence of String

### **travis\_extra\_install\_pre**

Additional steps to run in Travis before installing dependencies.

Example:

```
travis_extra_install_pre:
  - sudo apt update
  - sudo apt install python3-gi
```

**Required:** no

**Default:** []

**Type:** Sequence of String

#### **travis\_ubuntu\_version**

The Travis Ubuntu version.

Example:

```
travis_ubuntu_version: "xenial"
```

**Required:** no

**Default:** focal

**Type:** 'focal' or 'bionic' or 'xenial' or 'trusty' or 'precise'

**Allowed values:** focal, bionic, xenial, trusty, precise

## 2.9 Conda & Anaconda

#### **conda\_channels**

A list of Anaconda channels required to build and use the Conda package.

Example:

```
conda_channels:  
- domdfcoding  
- conda-forge  
- bioconda
```

**Required:** no

**Default:** []

**Type:** Sequence of String

#### **on\_conda\_forge**

Flag to indicate the package is available on conda-forge.

If this flag is `True` the documentation will recommend installing from conda-forge over the [\*primary\\_conda\\_channel\*](#).

Example:

```
on_conda_forge: True
```

New in version \$VERSION.

**Required:** no

**Default:** `False`

**Type:** Boolean

**primary\_conda\_channel**

The Conda channel the package can be downloaded from.

This is automatically added to `conda_channels`.

Defaults to `username` if unset.

Example:

```
username: repo-helper
primary_conda_channel: domdfcoding
```

New in version 2020.12.17.

**Required:** no

**Default:** The value of `username`

**Type:** String

**conda\_extras**

A list of extras (see `extras_require`) to include as requirements in the Conda package.

The special keyword `all` indicates all extras should be included.

The special keyword `none` indicates no extras should be included.

Example:

```
conda_extras:
- plotting
- xml
```

New in version 2020.11.12.

**Required:** no

**Default:** ['all']

**Type:** Sequence of String

**conda\_description**

A short description of the project for Anaconda.

Example:

```
conda_description: This is a short description of my project.
```

A list of required Anaconda channels is automatically appended.

**Required:** no

**Default:** The value of `short_desc`

**Type:** String

**enable\_conda**

Whether conda packages should be built and deployed.

Example:

```
enable_conda: True
```

**Required:** no

**Default:** True

**Type:** Boolean

## 2.10 Other

### **additional\_ignore**

A list of additional entries for `.gitignore`.

Example:

```
additional_ignore:  
- "*.pyc"
```

**Required:** no

**Default:** [ ]

**Type:** Sequence of String

### **exclude\_files**

A list of files not to manage with `repo_helper`.

```
exclude_files:  
- conf  
- tox
```

Valid values are as follows:

Value	File(s) that will not be managed
lint_roller	lint_roller.sh
stale_bot	.github/stale.yml
auto_assign	.github/workflow/assign.yml and .github/auto_assign.yml
readme	README.rst
doc_requirements	doc-source/requirements.txt
pylintrc	.pylintrc
manifest	MANIFEST.in
setup	setup.py
pkginfo	__pkginfo__.py
conf	doc-source/conf.py
gitignore	.gitignore
rtfd	.readthedocs.yml
travis	.travis.yml
tox	tox.ini
test_requirements	<i>tests_dir</i> /requirements.txt
dependabot	.dependabot/config.yml
make_conda_recipe	make_conda_recipe.py
bumpversion	.bumpversion.cfg
issue_templates	.github/ISSUE_TEMPLATE/bug_report.md and .github/ISSUE_TEMPLATE/feature_request.md
404	<docs_dir>/not-found.png and <docs_dir>/404.rst
make_isort	isort.cfg

**Required:** no

**Default:** []

**Type:** Sequence of String

### imgbot\_ignore

A list of additional glob ignores for imgbot.

Example:

```
imgbot_ignore:
- "**/*.svg"
```

**Required:** no

**Default:** []

**Type:** Sequence of String

### yapf\_exclude

A list of regular expressions to use to exclude files and directories from autoformatting.

Example:

```
yapf_exclude:
- "*/templates/*"
```

**Required:** no

**Default:** []

**Type:** Sequence of String

**pre\_commit\_exclude**

Regular expression for files that should not be checked by pre\_commit.

```
pre_commit_exclude: "^.*\\.\\.py$"
```

**Required:** no

**Default:** ^\$

**Type:** String

**desktopfile**

A key value mapping of entries for a Linux .desktop file.

```
desktopfile:  
  Exec: wxIconSaver  
  Icon: document-save
```

Version, Name and Comment are pre-populated from *version*, *modname* and *short\_desc*.

New in version 2020.11.15.

**Required:** no

**Default:** { }

**Type:** Mapping of String to String



## 3.1 repo-helper

Update files in the given repositories, based on settings in 'repo\_helper.yml'.

```
repo-helper [OPTIONS] COMMAND [ARGS]...
```

### Options

**-f, --force**  
Run 'repo\_helper' even when the git working directory is not clean.

**-y, --commit, -n, --no-commit**  
Commit or do not commit any changed files.

**Default** Ask first

**-m, --message** <message>  
The commit message to use.

**Default** Updated files with 'repo\_helper'.

**--version**  
Show the version and exit.

## 3.2 repo-helper add

Add metadata.

New in version 2021.8.11.

### 3.2.1 requirement

Add a requirement.

```
repo-helper add requirement [OPTIONS] REQUIREMENT
```

## Options

**--file** <file>  
The file to add the requirement to.

## Arguments

**REQUIREMENT**  
Required argument.

### 3.2.2 typed

Add a 'py.typed' file and the associated trove classifier.

```
repo-helper add typed [OPTIONS]
```

### 3.2.3 version

Add a new Python version to test on.

```
repo-helper add version [OPTIONS] [VERSION]...
```

## Arguments

**VERSION**  
Optional argument(s). Default None

## 3.3 repo-helper broomstick

Clean up build and test artefacts .

Removes the following:

- build
- .mypy\_cache
- .pytest\_cache
- \*\*/\_pytest\_\_
- \*.egg-info

```
repo-helper broomstick [OPTIONS]
```

## Options

- v, --verbose**  
Show verbose output.
- rm-tox**  
Also remove the '.tox' directory

## 3.4 repo-helper init

Initialise the repository with some boilerplate files.

```
repo-helper init [OPTIONS]
```

## Options

- m, --message <message>**  
The commit message to use.  
  
**Default** Initialised repository with 'repo\_helper'.
- y, --commit, -n, --no-commit**  
Commit or do not commit any changed files.  
  
**Default** Commit automatically
- f, --force**  
Run 'repo\_helper' even when the git working directory is not clean.

## 3.5 repo-helper make-recipe

Register the schema mapping for `repo_helper.yml` with PyCharm.

```
repo-helper make-recipe
```

This command takes no options.

## 3.6 repo-helper release

Make a release .

```
repo-helper release [OPTIONS] COMMAND [ARGS]...
```

## Commands

### major

Bump to the next major version.

### minor

Bump to the next minor version.

### patch

Bump to the next patch version.

### today

Bump to the calver version for today's date, such as 2020.12.25.

### <version>

Bump to the given version.

## Options

Each command takes the following options:

**-m, --message** <message>

The commit message to use.

**Default** Bump version {current\_version} -> {new\_version}

**-y, --commit, -n, --no-commit**

Commit or do not commit any changed files.

**Default** Commit automatically

**-f, --force**

Make a release even when the git working directory is not clean.

## 3.7 repo-helper show

Show information about the repository.

### 3.7.1 log

Show git commit log.

```
repo-helper show log [OPTIONS]
```

## Options

- no-pager**  
Disable the output pager.
- colour, --no-colour**  
Whether to use coloured output.
- from-tag** <from\_tag>  
Show commits after the given tag.
- from-date** <from\_date>  
Show commits after the given date.
- r, --reverse**  
Print entries in reverse order.
- n, --entries** <entries>  
Maximum number of entries to display.

### 3.7.2 changelog

Show commits since the last version tag.

```
repo-helper show changelog [OPTIONS]
```

## Options

- no-pager**  
Disable the output pager.
- colour, --no-colour**  
Whether to use coloured output.
- r, --reverse**  
Print entries in reverse order.
- n, --entries** <entries>  
Maximum number of entries to display.

### 3.7.3 requirements

Lists the requirements of this library, and their dependencies.

```
repo-helper show requirements [OPTIONS]
```

## Options

### **--no-venv**

Don't search a 'venv' directory in the repository for the requirements.

### **-c, --concise**

Show a consolidated list of all dependencies.

### **-d, --depth <depth>**

The maximum depth to display. -1 means infinite depth.

**Default** -1

### **--no-pager**

Disable the output pager.

Changed in version 2020.12.3: Added the `-c / --concise` option.

## 3.7.4 version

Show the repository version.

```
repo-helper show version [OPTIONS]
```

## Options

### **-q, --quiet**

Print only the version number.

## 3.8 repo-helper suggest

Suggest `trove classifiers` and keywords.

### 3.8.1 classifiers

Suggest `trove classifiers` based on repository metadata.

```
repo-helper suggest classifiers [OPTIONS]
```

## Options

### **-l, --library, --not-library**

Indicates this project is a library for developers.

### **-s, --status <status>**

The Development Status of this project.

### **--add, --no-add**

Add the classifiers to the 'repo\_helper.yml' file.

## 3.9 repo-helper wizard

Run the wizard to create a `repo_helper.yml` file.

```
repo-helper wizard
```

This command takes no options.





## 4.1 `repo_helper.blocks`

Reusable blocks of `reStructuredText`.

### Classes:

---

<code>ShieldsBlock(username, repo_name, version, *)</code>	Create the shields block for insertion into the README, documentation etc.
--	--

---

### Functions:

---

<code>create_docs_install_block(repo_name, username)</code>	Create the installation instructions for insertion into the documentation.
<code>create_docs_links_block(username, repo_name)</code>	Create the documentation links block.
<code>create_readme_install_block(modname, username)</code>	Create the installation instructions for insertion into the README.
<code>create_short_desc_block(short_desc)</code>	Creates the short description block insertion into the README, documentation etc.
<code>get_docs_installation_block_template()</code>	Loads the <code>docs_installation_block</code> template from file and returns a <code>jinj2 jinja2.environment.Template</code> for it.
<code>get_docs_links_block_template()</code>	Loads the <code>docs_links_block</code> template from file and returns a <code>jinj2 jinja2.environment.Template</code> for it.
<code>get_readme_installation_block_no_pypi_template()</code>	Loads the <code>readme_installation_block_no_pypi</code> template from file and returns a <code>jinj2 jinja2.environment.Template</code> for it.
<code>get_readme_installation_block_template()</code>	Loads the <code>readme_installation_block</code> template from file and returns a <code>jinj2 jinja2.environment.Template</code> for it.

---

### Data:

---

<code>installation_regex</code>	Regular expression to match the installation block placeholder.
<code>links_regex</code>	Regular expression to match the links block placeholder.
<code>shields_regex</code>	Regular expression to match the shields block placeholder.
<code>short_desc_regex</code>	Regular expression to match the short description block placeholder.

---

```
class ShieldsBlock (username, repo_name, version, *, conda=True, tests=True, docs=True,
                    docs_url='https://{ }.readthedocs.io/en/latest/?badge=latest', pypi_name=None,
                    conda_name=None, unique_name="", docker_shields=False, docker_name="",
                    platforms=None, on_pypi=True, primary_conda_channel=None)
```

Bases: `object`

Create the shields block for insertion into the README, documentation etc.

**Parameters**

- **username** (`str`) – The username of the GitHub account that owns the repository.
- **repo\_name** (`str`) – The name of the repository.
- **version** (`Union[str, int]`)
- **conda** (`bool`) – Default `True`.
- **tests** (`bool`) – Default `True`.
- **docs** (`bool`) – Default `True`.
- **docs\_url** (`str`) – Default `'https://{ }.readthedocs.io/en/latest/?badge=latest'`.
- **pypi\_name** (`Optional[str]`) – The name of the project on PyPI. Defaults to the value of `repo_name` if unset. Default `None`.
- **conda\_name** (`Optional[str]`) – The name of the project on conda. Defaults to the value of `repo_name` if unset. Default `None`.
- **unique\_name** (`str`) – An optional unique name for the reST substitutions. Default `''`.
- **docker\_shields** (`bool`) – Whether to show shields for Docker. Default `False`. Default `False`.
- **docker\_name** (`str`) – The name of the Docker image on DockerHub. Default `''`.
- **platforms** (`Optional[Iterable[str]]`) – List of supported platforms. Default `None`.
- **on\_pypi** (`bool`) – Default `True`.
- **primary\_conda\_channel** (`Optional[str]`) – The Conda channel the package can be downloaded from. Default `None`.

New in version 2020.12.11.

New in version \$VERSION: Added `conda_name` option.

**Methods:**

<code>make()</code>	Constructs the contents of the shields block.
<code>set_docs_mode()</code>	Create shields for insertion into Sphinx documentation.
<code>set_readme_mode()</code>	Create shields for insertion into <code>README.rst</code> .

**Attributes:**

<code>sections</code>	This list controls which sections are included, and their order.
<code>substitutions</code>	This list controls which substitutions are included, and their order.

**make()**

Constructs the contents of the shields block.

**Return type** `StringList`

**sections** = ('Docs', 'Tests', 'PyPI', 'Anaconda', 'Activity', 'QA', 'Docker', 'Other')

**Type:** `tuple`

This list controls which sections are included, and their order.

**set\_docs\_mode()**

Create shields for insertion into Sphinx documentation.

**set\_readme\_mode()**

Create shields for insertion into README.rst.

**substitutions** = ('docs', 'docs\_check', 'actions\_linux', 'actions\_windows', 'actions\_ma

**Type:** `tuple`

This list controls which substitutions are included, and their order.

**create\_docs\_install\_block** (*repo\_name*, *username*, *conda=True*, *pypi=True*, *pypi\_name=None*,  
*conda\_channels=None*)

Create the installation instructions for insertion into the documentation.

#### Parameters

- **repo\_name** (`str`) – The name of the GitHub repository.
- **username** (`str`) – The username of the GitHub account that owns the repository. (Not used; ensures API compatibility with `create_readme_install_block()`)
- **conda** (`bool`) – Whether to show Anaconda installation instructions. Default `True`.
- **pypi** (`bool`) – Whether to show PyPI installation instructions. Default `True`.
- **pypi\_name** (`Optional[str]`) – The name of the project on PyPI. Defaults to the value of `repo_name` if unset. Default `None`.
- **conda\_channels** (`Optional[Sequence[str]]`) – List of required Conda channels. Default `None`.

**Return type** `str`

**Returns** The installation block created from the above settings.

**create\_docs\_links\_block** (*username*, *repo\_name*)

Create the documentation links block.

#### Parameters

- **username** (`str`) – The username of the GitHub account that owns the repository.
- **repo\_name** (`str`) – The name of the GitHub repository.

**Return type** `str`

**Returns** The documentation links block created from the above settings.

**create\_readme\_install\_block** (*modname, username, conda=True, pypi=True, pypi\_name=None, conda\_channels=None*)

Create the installation instructions for insertion into the README.

**Parameters**

- **modname** (*str*) – The name of the program / library.
- **username** (*str*) – The username of the GitHub account that owns the repository.
- **conda** (*bool*) – Whether to show Anaconda installation instructions. Default `True`.
- **pypi** (*bool*) – Whether to show PyPI installation instructions. Default `True`.
- **pypi\_name** (*Optional[str]*) – The name of the project on PyPI. Defaults to the value of `repo_name` if unset. Default `None`.
- **conda\_channels** (*Optional[Sequence[str]]*) – List of required Conda channels. Default `None`.

**Return type** `str`

**Returns** The installation block created from the above settings.

**create\_short\_desc\_block** (*short\_desc*)

Creates the short description block insertion into the README, documentation etc.

**Parameters** **short\_desc** (*str*) – A short description of the program / library.

**Return type** `str`

**Returns** The short description block created from the above settings.

**get\_docs\_installation\_block\_template** ()

Loads the `docs_installation_block` template from file and returns a `jinj2.jinja2.environment.Template` for it.

**Return type** `Template`

**get\_docs\_links\_block\_template** ()

Loads the `docs_links_block` template from file and returns a `jinj2.jinja2.environment.Template` for it.

**Return type** `Template`

**get\_readme\_installation\_block\_no\_pypi\_template** ()

Loads the `readme_installation_block_no_pypi` template from file and returns a `jinj2.jinja2.environment.Template` for it.

New in version 2020.12.1.

**Return type** `Template`

**get\_readme\_installation\_block\_template** ()

Loads the `readme_installation_block` template from file and returns a `jinj2.jinja2.environment.Template` for it.

**Return type** `Template`

**installation\_regex****Type:** Pattern

Regular expression to match the installation block placeholder.

<b>Pattern</b>	<code>(.. start installation)(.*?)(.. end installation)</code>
<b>Flags</b>	<code>re.DOTALL</code>

**links\_regex****Type:** Pattern

Regular expression to match the links block placeholder.

<b>Pattern</b>	<code>(.. start links)(.*?)(.. end links)</code>
<b>Flags</b>	<code>re.DOTALL</code>

**shields\_regex****Type:** Pattern

Regular expression to match the shields block placeholder.

<b>Pattern</b>	<code>(.. start shields)(.*?)(.. end shields)</code>
<b>Flags</b>	<code>re.DOTALL</code>

**short\_desc\_regex****Type:** Pattern

Regular expression to match the short description block placeholder.

<b>Pattern</b>	<code>(.. start short [-_]desc)(.*?)(.. end short [-_]desc)</code>
<b>Flags</b>	<code>re.DOTALL</code>

## 4.2 repo\_helper.conda

Utilities for Conda packages.

**Functions:**


---

<code>make_recipe(repo_dir, recipe_file)</code>	Make a Conda meta.yaml recipe.
---	--------------------------------

---

**make\_recipe** (*repo\_dir*, *recipe\_file*)

Make a Conda meta.yaml recipe.

**Parameters**

- **repo\_dir** (`Union[str, Path, PathLike]`) – The repository directory.
- **recipe\_file** (`Union[str, Path, PathLike]`) – The file to save the recipe as.

New in version 2020.11.10.

## 4.3 repo\_helper.core

Core functionality of `repo_helper`.

### Classes:

---

<code>RepoHelper(target_repo[, managed_message])</code>	Repo Helper: Manage configuration files with ease.
---	--

---

### Functions:

---

<code>import_registered_functions()</code>	Returns a list of all registered functions.
--	---

---

**class RepoHelper** (*target\_repo*, *managed\_message*="This file is managed by 'repo\_helper'. Don't edit it directly.")

Repo Helper: Manage configuration files with ease.

#### Parameters

- **target\_repo** (`Union[str, Path, PathLike]`) – The path to the root of the repository to manage files for.
- **managed\_message** (`str`) – Message placed at the top of files to indicate that they are managed by `repo_helper`. Default "This file is managed by 'repo\_helper'. Don't edit it directly."

#### Attributes:

---

<code>exclude_files</code>	A tuple of excluded files that should <b>NOT</b> be managed by Git Helper.
<code>files</code>	List of functions to manage files.
<code>managed_message</code>	Message placed at the top of files to indicate that they are managed by <code>repo_helper</code> .
<code>repo_name</code>	The name of the repository being managed.
<code>target_repo</code>	The target repository
<code>templates</code>	Provides the templates and stores the configuration.

---

#### Methods:

---

<code>load_settings([allow_unknown_keys])</code>	Load settings from the <code>repo_helper.yml</code> file in the repository.
<code>run()</code>	Run Git Helper for the repository and update all managed files.

---

#### property exclude\_files

A tuple of excluded files that should **NOT** be managed by Git Helper.

**Return type** `Tuple[str, ...]`

#### files

**Type:** `Management`

List of functions to manage files.

**load\_settings** (*allow\_unknown\_keys=False*)

Load settings from the `repo_helper.yml` file in the repository.

**Parameters** **allow\_unknown\_keys** (*bool*) – Whether unknown keys should be allowed in the configuration file. Default `False`.

Changed in version 2021.2.18:

- This method is no longer called automatically when instantiating the *RepoHelper* class.
- Added the `allow_unknown_keys` argument.

**property managed\_message**

Message placed at the top of files to indicate that they are managed by `repo_helper`.

**Return type** `str`

**property repo\_name**

The name of the repository being managed.

**Return type** `str`

**run** ()

Run Git Helper for the repository and update all managed files.

**Return type** `List[str]`

**Returns** A list of files managed by Git Helper, regardless of whether they were added, removed or modified.

**target\_repo**

**Type:** `PathPlus`

The target repository

**templates**

**Type:** `Environment`

Provides the templates and stores the configuration.

**import\_registered\_functions** ()

Returns a list of all registered functions.

**Return type** `List[Type]`

## 4.4 repo\_helper.release

Functions for making tagged releases.

New in version 2020.12.29.

**Classes:**

---

*Bumper*(`repo_path[, force]`)

Class to bump the repository version.

continues on next page

Table 11 – continued from previous page

<i>BumpversionFileConfig</i>	Represents the subset of bumpversion per-file configuration values used by repo-helper.
------------------------------	---

**class Bumper** (*repo\_path*, *force=False*)

Bases: `object`

Class to bump the repository version.

**Parameters**

- **repo\_path** (`PathPlus`)
- **force** (`bool`) – Whether to force bumping the version when the repository is unclean. Default `False`.

**Methods:**

<i>bump</i> ( <i>new_version</i> , <i>commit</i> , <i>message</i> )	Bump to the given version.
<i>bump_version_for_file</i> ( <i>filename</i> , <i>config</i> )	Bumps the version for the given file.
<i>get_bumpversion_config</i> ( <i>current_version</i> , ...)	Returns the bumpversion config.
<i>get_current_version</i> ()	Returns the current version from the <code>repo_helper.yml</code> configuration file.
<i>major</i> ( <i>commit</i> , <i>message</i> )	Bump to the next major version.
<i>minor</i> ( <i>commit</i> , <i>message</i> )	Bump to the next minor version.
<i>patch</i> ( <i>commit</i> , <i>message</i> )	Bump to the next patch version.
<i>today</i> ( <i>commit</i> , <i>message</i> )	Bump to the calver version for today’s date.

**Attributes:**

<i>bumpversion_file</i>	The path to the bumpversion configuration file.
<i>current_version</i>	
<i>repo</i>	

**bump** (*new\_version*, *commit*, *message*)

Bump to the given version.

**Parameters**

- **new\_version** (`Version`)
- **commit** (`Optional[bool]`) – Whether to commit automatically (`True`) or ask first (`None`).
- **message** (`str`) – The commit message.

Changed in version 2021.8.11: Now takes a `packaging.version.Version` rather than a `domdf_python_tools.versions.Version`.

**bump\_version\_for\_file** (*filename*, *config*)

Bumps the version for the given file.

**Parameters**

- **filename** (`Union[str, Path, PathLike]`)
- **config** (`BumpversionFileConfig`)



**bumpversion\_file**

The path to the bumpversion configuration file.

**current\_version****get\_bumpversion\_config** (*current\_version*, *new\_version*)

Returns the bumpversion config.

**Parameters**

- **current\_version** (*str*)
- **new\_version** (*str*)

**Return type** `Dict[str, BumpversionFileConfig]`

**get\_current\_version** ()

Returns the current version from the `repo_helper.yml` configuration file.

**Return type** `Version`

**major** (*commit*, *message*)

Bump to the next major version.

**Parameters**

- **commit** (`Optional[bool]`) – Whether to commit automatically (`True`) or ask first (`None`).
- **message** (*str*) – The commit message.

**minor** (*commit*, *message*)

Bump to the next minor version.

**Parameters**

- **commit** (`Optional[bool]`) – Whether to commit automatically (`True`) or ask first (`None`).
- **message** (*str*) – The commit message.

**patch** (*commit*, *message*)

Bump to the next patch version.

**Parameters**

- **commit** (`Optional[bool]`) – Whether to commit automatically (`True`) or ask first (`None`).
- **message** (*str*) – The commit message.

**repo****today** (*commit*, *message*)

Bump to the calver version for today's date.

E.g. 2020.12.25 for 25th December 2020

**Parameters**

- **commit** (`Optional[bool]`) – Whether to commit automatically (`True`) or ask first (`None`).
- **message** (*str*) – The commit message.

**typeddict BumpversionFileConfig**

Bases: TypedDict

Represents the subset of bumpversion per-file configuration values used by repo-helper.

**Required Keys**

- **search** (str)
- **replace** (str)

## 4.5 repo\_helper.shields

Create a variety of shields, most powered by <https://shields.io/>.

**Functions:**

<i>make_actions_linux_shield</i> (repo_name, username)	Create a shield to indicate the status of the tests on Linux.
<i>make_actions_linux_shield</i> (repo_name, username)	Create a shield to indicate the status of the tests on Linux.
<i>make_actions_macos_shield</i> (repo_name, username)	Create a shield to indicate the status of the tests on macOS.
<i>make_actions_shield</i> (repo_name, username, ...)	Create a shield to indicate the status of the tests on Linux.
<i>make_actions_windows_shield</i> (repo_name, username)	Create a shield to indicate the status of the tests on Windows.
<i>make_activity_shield</i> (repo_name, username, ...)	Create a shield to show the number of commits to the GitHub repository since the last release.
<i>make_codefactor_shield</i> (repo_name, username)	Create a shield to show the Codefactor code quality grade.
<i>make_conda_platform_shield</i> (pypi_name, username)	Create a shield to show the supported Conda platforms.
<i>make_conda_version_shield</i> (pypi_name, username)	Create a shield to show the version on Conda.
<i>make_coveralls_shield</i> (repo_name, username)	Create a shield to show the code coverage from Coveralls.
<i>make_docker_automated_build_shield</i> (...)	Create a shield to indicate the Docker automated build status.
<i>make_docker_build_status_shield</i> (docker_name, ...)	Create a shield to indicate the Docker image build status.
<i>make_docker_size_shield</i> (docker_name, username)	Create a shield to indicate the size of a docker image.
<i>make_docs_check_shield</i> (repo_name, username)	Create a shield for the GitHub Actions “Docs Check” status.
<i>make_language_shield</i> (repo_name, username)	Create a shield to show the primary language of the GitHub repository.
<i>make_last_commit_shield</i> (repo_name, username)	Create a shield to indicate when the last commit to the GitHub repository occurred.
<i>make_license_shield</i> (repo_name, username)	Create a shield to show the license of the GitHub repository.
<i>make_maintained_shield</i> ()	Create a shield to indicate that the project is maintained.

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Table 14 – continued from previous page

<code>make_pre_commit_ci_shield(repo_name, username)</code>	Create a shield to show the <code>pre-commit.ci</code> status.
<code>make_pre_commit_shield()</code>	Create a shield to show that a repository is configured for use with pre-commit.
<code>make_pypi_downloads_shield(pypi_name)</code>	Create a shield to show the PyPI download statistics.
<code>make_pypi_version_shield(pypi_name)</code>	Create a shield to show the version on PyPI.
<code>make_python_implementations_shield(pypi_name)</code>	Create a shield to show the supported Python implementations for the library.
<code>make_python_versions_shield(pypi_name)</code>	Create a shield to show the supported Python versions for the library.
<code>make_requires_shield(repo_name, username)</code>	Create a shield to show the <code>dependency-dash</code> requirements status.
<code>make_rtfcd_shield(repo_name[, target])</code>	Create a shield for the ReadTheDocs documentation build status.
<code>make_typing_shield()</code>	Create a shield to show that a library has <b>PEP 484</b> Type Hints / Annotations.
<code>make_wheel_shield(pypi_name)</code>	Create a shield to show whether the library has a wheel on PyPI.

**make\_actions\_linux\_shield** (*repo\_name, username*)

Create a shield to indicate the status of the tests on Linux.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_actions\_linux\_shield** (*repo\_name, username*)

Create a shield to indicate the status of the tests on Linux.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_actions\_macos\_shield** (*repo\_name, username*)

Create a shield to indicate the status of the tests on macOS.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_actions\_shield** (*repo\_name, username, name, alt*)

Create a shield to indicate the status of the tests on Linux.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.
- **name** (*str*) – The name of the workflow.
- **alt** (*str*) – Alternative text for the image when it cannot be shown.

**Return type** *str*

**Returns** The shield.

New in version 2020.12.16.

**make\_actions\_windows\_shield** (*repo\_name, username*)

Create a shield to indicate the status of the tests on Windows.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_activity\_shield** (*repo\_name, username, version*)

Create a shield to show the number of commits to the GitHub repository since the last release.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.
- **version** (*Union[str, float]*)

**Return type** *str*

**Returns** The shield.

**make\_codefactor\_shield** (*repo\_name, username*)

Create a shield to show the Codefactor code quality grade.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_conda\_platform\_shield** (*pypi\_name, username*)

Create a shield to show the supported Conda platforms.

**Parameters**

- **pypi\_name** (*str*) – The name of the project on PyPI.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_conda\_version\_shield** (*pypi\_name, username*)

Create a shield to show the version on Conda.

**Parameters**

- **pypi\_name** (*str*) – The name of the project on PyPI.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_coveralls\_shield** (*repo\_name, username*)

Create a shield to show the code coverage from Coveralls.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_docker\_automated\_build\_shield** (*docker\_name, username*)

Create a shield to indicate the Docker automated build status.

**Parameters**

- **docker\_name** (*str*)
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_docker\_build\_status\_shield** (*docker\_name, username*)

Create a shield to indicate the Docker image build status.

**Parameters**

- **docker\_name** (*str*)
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_docker\_size\_shield** (*docker\_name, username*)

Create a shield to indicate the size of a docker image.

**Parameters**

- **docker\_name** (*str*) – The name of the Docker image on DockerHub.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_docs\_check\_shield** (*repo\_name, username*)

Create a shield for the GitHub Actions “Docs Check” status.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_language\_shield** (*repo\_name, username*)

Create a shield to show the primary language of the GitHub repository.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_last\_commit\_shield** (*repo\_name, username*)

Create a shield to indicate when the last commit to the GitHub repository occurred.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_license\_shield** (*repo\_name, username*)

Create a shield to show the license of the GitHub repository.

**Parameters**

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_maintained\_shield** ()

Create a shield to indicate that the project is maintained.

**Returns** The shield.

**Return type** `str`

**make\_pre\_commit\_ci\_shield**(*repo\_name*, *username*)

Create a shield to show the `pre-commit.ci` status.

**Parameters**

- **repo\_name** (`str`) – The name of the repository.
- **username** (`str`) – The username of the GitHub account that owns the repository.

**Return type** `str`

**Returns** The shield.

**make\_pre\_commit\_shield**()

Create a shield to show that a repository is configured for use with pre-commit.

**Returns** The shield.

**Return type** `str`

**make\_pypi\_downloads\_shield**(*pypi\_name*)

Create a shield to show the PyPI download statistics.

**Parameters** **pypi\_name** (`str`) – The name of the project on PyPI.

**Return type** `str`

**Returns** The shield.

**make\_pypi\_version\_shield**(*pypi\_name*)

Create a shield to show the version on PyPI.

**Parameters** **pypi\_name** (`str`) – The name of the project on PyPI.

**Return type** `str`

**Returns** The shield.

**make\_python\_implementations\_shield**(*pypi\_name*)

Create a shield to show the supported Python implementations for the library.

**Parameters** **pypi\_name** (`str`) – The name of the project on PyPI.

**Return type** `str`

**Returns** The shield.

**make\_python\_versions\_shield**(*pypi\_name*)

Create a shield to show the supported Python versions for the library.

**Parameters** **pypi\_name** (`str`) – The name of the project on PyPI.

**Return type** `str`

**Returns** The shield.

**make\_requires\_shield**(*repo\_name*, *username*)

Create a shield to show the `dependency-dash` requirements status.

#### Parameters

- **repo\_name** (*str*) – The name of the repository.
- **username** (*str*) – The username of the GitHub account that owns the repository.

**Return type** *str*

**Returns** The shield.

**make\_rtfld\_shield** (*repo\_name*, *target*='https://{}.readthedocs.io/en/latest/?badge=latest')  
Create a shield for the ReadTheDocs documentation build status.

#### Parameters

- **repo\_name** (*str*) – The name of the repository.
- **target** (*str*) – Default  
'https://{}.readthedocs.io/en/latest/?badge=latest'.

**Return type** *str*

**Returns** The shield.

**make\_typing\_shield** ()  
Create a shield to show that a library has **PEP 484** Type Hints / Annotations.

**Returns** The shield.

**Return type** *str*

**make\_wheel\_shield** (*pypi\_name*)  
Create a shield to show whether the library has a wheel on PyPI.

**Parameters** **pypi\_name** (*str*) – The name of the project on PyPI.

**Return type** *str*

**Returns** The shield.

## 4.6 repo\_helper.templates

Contains the `pathlib.Path` objects representing the templates directory (*template\_dir*), and the directory representing the files used to initialise a new repository (*init\_repo\_template\_dir*).

**template\_dir**

**Type:** `PosixPathPlus`

The templates directory.

**init\_repo\_template\_dir**

**Type:** `PosixPathPlus`

The directory representing the files used to initialise a new repository



## 4.7 repo\_helper.testing

Helpers for running tests with pytest.

**Attention:** This module has the following additional requirements:

```
check-wheel-contents>=0.2.0
coincidence>=0.2.0
pytest>=6.2.0
```

These can be installed as follows:

```
$ python -m pip install repo-helper[testing]
```

New in version 2020.11.17.

### Functions:

<code>demo_environment()</code>	Pytest fixture to create a jinja2 environment for use in tests.
<code>example_config()</code>	Returns the contents of the example <code>repo_helper.yml</code> file.
<code>is_running_on_actions()</code>	Returns <code>True</code> if running on GitHub Actions.
<code>temp_empty_repo(tmp_pathplus, monkeypatch)</code>	Pytest fixture to return an empty git repository in a temporary location.
<code>temp_repo(temp_empty_repo, example_config)</code>	Pytest fixture to return a git repository in a temporary location.

### fixture demo\_environment

**Scope:** function

Pytest fixture to create a jinja2 environment for use in tests.

The environment has the following variables available by default:

```
{
  "username": "octocat",
  "assignee": "octocat",
  "imgbot_ignore": [],
  "travis_ubuntu_version": "xenial",
  "github_ci_requirements": {"Linux": {"pre": [], "post": []}, "Windows": {"pre":
↪": [], "post": []}},
  "travis_additional_requirements": [],
  "conda_channels": ["conda-forge"],
  "python_versions": {"3.6": {"experimental": False}, "3.7": {"experimental":
↪False}},
  "enable_tests": true,
  "enable_conda": true,
  "enable_docs": true,
  "enable_releases": true,
  "python_deploy_version": "3.6",
  "min_py_version": "3.6",
  "modname": "hello-world",
  "repo_name": "hello-world",
  "import_name": "hello_world",
```

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```

"platforms": ["Windows"],
"pypi_name": "hello-world",
"conda_name": "hello-world",
"py_modules": [],
"extra_lint_paths": [],
"extra_testenv_commands": [],
"manifest_additional": [],
"additional_requirements_files": [],
"source_dir": "",
"tests_dir": "tests",
"additional_setup_args": {},
"setup_pre": [],
"docs_dir": "doc-source",
"sphinx_html_theme": "alabaster",
"additional_ignore": ["foo", "bar", "fuzz"],
"join_path": "os.path.join",
"pure_python": true,
"stubs_package": false,
"managed_message": "This file is managed by 'repo_helper'. Don't edit it_
↳directly.",
"short_desc": "a short description",
"on_pypi": true,
"docs_fail_on_warning": false,
"requires_python": "3.6.1",
"third_party_version_matrix": {},
"use_whey": false,
"use_flit": false
"use_maturin": false
"use_hatch": false
"on_conda_forge": false
"desktopfile": {}
}

```

plus `lint_warn_list = repo_helper.files.linting.lint_warn_list`.

Additional options can be set and values changed at the start of tests as follows:

```

def test(demo_environment):
    demo_environment.templates.globals["source_dir"] = "src"

```

**Return type** `Environment`

### **fixture example\_config**

**Scope:** session

Returns the contents of the example `repo_helper.yml` file.

**Return type** `str`

### **is\_running\_on\_actions()**

Returns `True` if running on GitHub Actions.

**Return type** `bool`

### **fixture temp\_empty\_repo**

**Scope:** function

Pytest fixture to return an empty git repository in a temporary location.

`repo_helper.utils.today` is monkeypatched to return 25th July 2020.

**Return type** Repo

#### fixture temp\_repo

**Scope:** function

Pytest fixture to return a git repository in a temporary location.

The repository will contain a `repo_helper.yml` yaml file, the contents of which can be seen at [https://github.com/domdfcoding/repo\\_helper/blob/master/repo\\_helper/testing/repo\\_helper\\_example.yml](https://github.com/domdfcoding/repo_helper/blob/master/repo_helper/testing/repo_helper_example.yml).

`repo_helper.utils.today` is monkeypatched to return 25th July 2020.

**Return type** Repo

## 4.8 repo\_helper.utils

General utilities.

### Classes:

<code>IniConfigurator(base_path)</code>	Base class to generate <code>.ini</code> configuration files.
---	---

### Functions:

<code>commit_changes(repo[, message])</code>	Commit staged changes.
<code>discover_entry_points(group_name[, match_func])</code>	Returns a list of entry points in the given category, optionally filtered by <code>match_func</code> .
<code>get_license_text(license_name, ...)</code>	Obtain the license text for the given license.
<code>indent_join(iterable)</code>	Join an iterable of strings with newlines, and indent each line with a tab if there is more than one element.
<code>indent_with_tab(text[, depth, predicate])</code>	Adds <code>'\t'</code> to the beginning of selected lines in <code>'text'</code> .
<code>no_dev_versions(versions)</code>	Returns the subset of <code>versions</code> which does not end with <code>-dev</code> .
<code>normalize(name)</code>	Normalize the given name for PyPI et al.
<code>pformat_tabs(obj[, width, depth, compact])</code>	Format a Python object into a pretty-printed representation.
<code>reformat_file(filename, yapf_style, ...)</code>	Reformat the given file.
<code>resource(package, resource)</code>	Retrieve the path to a resource inside a package.
<code>set_gh_actions_versions(py_versions)</code>	Convert development Python versions into the appropriate versions for GitHub Actions.
<code>sort_paths(*paths)</code>	Sort the <code>paths</code> by directory, then by file.
<code>stage_changes(repo, files)</code>	Stage any files that have been updated, added or removed.

### Data:

<code>license_lookup</code>	Mapping of license short codes to license names used in trove classifiers.
<code>today</code>	Under normal circumstances returns <code>datetime.date.today()</code> .

**class IniConfigurator** (*base\_path*)

Bases: `object`

Base class to generate `.ini` configuration files.

**Parameters** `base_path` (`Path`)

**Methods:**

<code>copy_existing_value</code> ( <i>section</i> , <i>key</i> )	Copy the existing value for <code>key</code> , if present, to the new configuration.
<code>merge_existing</code> ( <i>ini_file</i> )	Merge existing sections in the configuration file into the new configuration.
<code>write_out</code> ()	Write out to the <code>.ini</code> file.

**copy\_existing\_value** (*section*, *key*)

Copy the existing value for `key`, if present, to the new configuration.

**Parameters**

- **section** (`Section`)
- **key** (`str`)

**merge\_existing** (*ini\_file*)

Merge existing sections in the configuration file into the new configuration.

**Parameters** `ini_file` (`Path`) – The existing `.ini` file.

**write\_out** ()

Write out to the `.ini` file.

**commit\_changes** (*repo*, *message*="Updated files with 'repo\_helper'.")

Commit staged changes.

**Parameters**

- **repo** (`Union[str, Path, PathLike, Repo]`) – The repository to commit in.
- **message** (`str`) – The commit message to use. Default "Updated files with 'repo\_helper'".

**Return type** `str`

**Returns** The SHA of the commit.

New in version 2020.11.23.

**discover\_entry\_points** (*group\_name*, *match\_func*=None)

Returns a list of entry points in the given category, optionally filtered by `match_func`.

New in version 1.1.0.

#### Parameters

- **group\_name** (*str*) – The entry point group name, e.g. 'entry\_points'.
- **match\_func** (*Optional[Callable[[Any], bool]]*) – Function taking an object and returning `True` if the object is to be included in the output. Default `None`, which includes all objects.

**Return type** `List[Any]`

**Returns** List of matching objects.

**get\_license\_text** (*license\_name, copyright\_years, author, project\_name*)

Obtain the license text for the given license.

New in version 2022.4.4.

#### Parameters

- **license\_name** (*str*) – The name of the license.
- **copyright\_years** (*Union[str, int]*) – The copyright years (e.g. '2019–2021') to display in the license. Not supported by all licenses.
- **author** (*str*) – The name of the author/copyright holder to display in the license. Not supported by all licenses.
- **project\_name** (*str*) – The name of the project to display in the license. Not supported by all licenses.

Licenses are obtained from <https://github.com/licenses/license-templates>.

**Return type** `str`

**indent\_join** (*iterable*)

Join an iterable of strings with newlines, and indent each line with a tab if there is more than one element.

**Parameters** *iterable* (*Iterable[str]*)

**Return type** `str`

**indent\_with\_tab** (*text, depth=1, predicate=None*)

Adds `'\t'` to the beginning of selected lines in `'text'`.

#### Parameters

- **text** (*str*) – The text to indent.
- **depth** (*int*) – The depth of the indentation. Default 1.
- **predicate** (*Optional[Callable[[str], bool]]*) – If given, `'\t'` will only be added to the lines where `predicate(line)` is `:py:obj`True``. If `predicate` is not provided, it will default to adding `'\t'` to all non-empty lines that do not consist solely of whitespace characters. Default `None`.

**Return type** `str`

**license\_lookup** = {'AAL': 'Attribution Assurance License', 'AFL-1.1': 'Academic Free License'}

**Type:** `dict`

Mapping of license short codes to license names used in trove classifiers.

**no\_dev\_versions** (*versions*)

Returns the subset of `versions` which does not end with `-dev`.

**Parameters** `versions` (`Iterable[str]`)

**Return type** `List[str]`

**normalize** (*name*)

Normalize the given name for PyPI et al.

From [PEP 503](#) (public domain).

**Parameters** `name` (`str`) – The project name.

**Return type** `str`

**pformat\_tabs** (*obj, width=80, depth=None, \*, compact=False*)

Format a Python object into a pretty-printed representation.

Indentation is set at one tab.

**Parameters**

- **obj** (`object`) – The object to format.
- **width** (`int`) – The maximum width of the output. Default 80.
- **depth** (`Optional[int]`) – Default `None`.
- **compact** (`bool`) – Default `False`.

**Return type** `str`

**reformat\_file** (*filename, yapf\_style, isort\_config\_file*)

Reformat the given file.

**Parameters**

- **filename** (`Union[str, Path, PathLike]`)
- **yapf\_style** (`str`) – The name of the yapf style, or the path to the yapf style file.
- **isort\_config\_file** (`str`) – The filename of the isort configuration file.

**Return type** `int`

**resource** (*package, resource*)

Retrieve the path to a resource inside a package.

New in version 2022.4.4.

**Parameters**

- **package** – The name of the package, or a module object representing it.
- **resource** – The name of the resource.

**set\_gh\_actions\_versions** (*py\_versions*)

Convert development Python versions into the appropriate versions for GitHub Actions.

**Parameters** `py_versions` (`Iterable[str]`)

**Return type** `List[str]`

**sort\_paths** (\*paths)

Sort the `paths` by directory, then by file.

New in version 2.6.0.

**Parameters** `paths`

**Return type** `List[PathPlus]`

**stage\_changes** (repo, files)

Stage any files that have been updated, added or removed.

**Parameters**

- **repo** (`Union[str, Path, PathLike, Repo]`) – The repository.
- **files** (`Iterable[Union[str, Path, PathLike]]`) – List of files to stage.

**Return type** `List[PathPlus]`

**Returns** A list of staged files. Not all files in `files` will have been changed, and only changes are staged.

New in version 2020.11.23.

**today** = `datetime.date(2025, 4, 30)`

**Type:** `date`

Under normal circumstances returns `datetime.date.today()`.

## 4.9 repo\_helper.files

The `files` subpackage contains most of the functions for managing files.

**Manager**

Type hint for a function that manages files.

Alias of `Callable[[Path, Environment], List[str]]`

**class Management** (\*args, \*\*kwargs)

Bases: `UserList[Tuple[Callable[[Path, Environment], List[str]], str, Sequence[str]]]`

Class to store functions that manage files.

The syntax of each entry is:

- the function,
- a string to use in `exclude_files` to disable this function,
- a list of strings representing config values that must be true to call the function.

**Methods:**

---

<code>register(exclude_name[, ...])</code>	Decorator to register a function.
--	-----------------------------------

---

**register** (exclude\_name, exclude\_unless\_true=(), \*, name=None)

Decorator to register a function.

The function must have the following signature:

```
def function(
    repo_path: pathlib.Path,
    templates: jinja2.Environment,
) -> List[str]: ...
```

**Parameters**

- **exclude\_name** (*str*) – A string to use in ‘exclude\_files’ to disable this function.
- **exclude\_unless\_true** (*Sequence[str]*) – A list of strings representing config values that must be true to call the function. Default ().
- **name** (*Optional[str]*) – Optional name to use for the function in the output. Defaults to the name of the function.

**Return type** *Callable*

**Returns** The registered function.

**Raises** *SyntaxError* if the decorated function does not take the correct arguments.

**is\_registered** (*obj*)

Return whether *obj* is a registered function.

**Parameters** *obj* (*Any*)

**Return type** *bool*

## 4.9.4 bots

Manage configuration files for bots.

**Functions:**

<i>make_auto_assign_action</i> ( <i>repo_path</i> , <i>templates</i> )	<i>tem-</i>	Add configuration for auto-assign to the desired repo.
<i>make_dependabot</i> ( <i>repo_path</i> , <i>templates</i> )		Add configuration for dependabot to the desired repo.
<i>make_dependabotv2</i> ( <i>repo_path</i> , <i>templates</i> )		Add configuration for dependabot to the desired repo.
<i>make_imgbot</i> ( <i>repo_path</i> , <i>templates</i> )		Add configuration for imgbot to the desired repo.
<i>make_stale_bot</i> ( <i>repo_path</i> , <i>templates</i> )		Add configuration for stale to the desired repo.

**make\_auto\_assign\_action** (*repo\_path*, *templates*)

Add configuration for auto-assign to the desired repo.

<https://github.com/kentaro-m/auto-assign>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** *List[str]*



**make\_dependabot** (*repo\_path, templates*)

Add configuration for dependabot to the desired repo.

<https://dependabot.com/>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

Deprecated since version 2020.12.11.

**Return type** `List[str]`

**make\_dependabotv2** (*repo\_path, templates*)

Add configuration for dependabot to the desired repo.

<https://dependabot.com/>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

New in version 2020.12.11.

**Return type** `List[str]`

**make\_imgbot** (*repo\_path, templates*)

Add configuration for imgbot to the desired repo.

<https://imgbot.net/>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

**make\_stale\_bot** (*repo\_path, templates*)

Add configuration for stale to the desired repo.

<https://probot.github.io/apps/stale/>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

### 4.9.5 ci\_cd

Manage configuration files for continuous integration / continuous deployment.

**Classes:**

<code>ActionsManager(repo_path, templates)</code>	Responsible for creating, updating and removing GitHub Actions workflows.
---	---

**Functions:**

<code>ensure_bumpversion(repo_path, templates)</code>	Add configuration for bumpversion to the desired repo.
<code>get_bumpversion_filenames(templates)</code>	Returns an iterable of filenames to have the version number bumped in.
<code>make_actions_deploy_conda(repo_path, templates)</code>	Add script to build Conda package and deploy to Anaconda.
<code>make_actions_milestones(repo_path, templates)</code>	Add script to close milestones on release.
<code>make_conda_actions_ci(repo_path, templates)</code>	Add configuration for testing conda packages on <i>GitHub Actions</i> to the desired repo.
<code>make_github_ci(repo_path, templates)</code>	Add configuration for <i>GitHub Actions</i> to the desired repo.
<code>make_github_docs_test(repo_path, templates)</code>	Add configuration for GitHub Actions documentation check to the desired repo.
<code>make_github_flake8(repo_path, templates)</code>	Add configuration for the Flake8 GitHub Action.
<code>make_github_manylinux(repo_path, templates)</code>	Add configuration for <i>GitHub Actions</i> manylinux wheel builds the desired repo.
<code>make_github_mypy(repo_path, templates)</code>	Add configuration for the mypy GitHub Action.
<code>make_github_octocheese(repo_path, templates)</code>	Add configuration for the OctoCheese GitHub Action.

**class ActionsManager** (*repo\_path, templates*)

Bases: object

Responsible for creating, updating and removing GitHub Actions workflows.

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

New in version 2020.12.18.

**Methods:**

<code>get_gh_actions_matrix()</code>	Determines the matrix of Python versions used in GitHub Actions.
<code>get_linux_ci_requirements()</code>	Returns the Python requirements to run tests for on Linux.
<code>get_linux_ci_versions()</code>	Returns the Python versions to run tests for on Linux.
<code>get_linux_mypy_requirements()</code>	Returns the Python requirements to run tests for on Linux.

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<code>get_macos_ci_requirements()</code>	Returns the Python requirements to run tests for on macOS.
<code>get_macos_ci_versions()</code>	Returns the Python versions to run tests for on macOS.
<code>get_mypy_requirements(platform)</code>	Returns the Python requirements to run tests for on the given platform.
<code>get_windows_ci_requirements()</code>	Returns the Python requirements to run tests for on Windows.
<code>get_windows_ci_versions()</code>	Returns the Python versions to run tests for on Windows.
<code>make_flake8()</code>	Create, update or remove the flake8 action, as appropriate.
<code>make_linux()</code>	Create, update or remove the Linux action, as appropriate.
<code>make_macos()</code>	Create, update or remove the macOS action, as appropriate.
<code>make_mypy()</code>	Create, update or remove the mypy action, as appropriate.
<code>make_rustpython()</code>	Create, update or remove the RustPython action, as appropriate.
<code>make_windows()</code>	Create, update or remove the Windows action, as appropriate.

**get\_gh\_actions\_matrix()**

Determines the matrix of Python versions used in GitHub Actions.

New in version 2022.4.4.

**Return type** `Dict[str, Tuple[str, Optional[str], bool]]`

**get\_linux\_ci\_requirements()**

Returns the Python requirements to run tests for on Linux.

**Return type** `List[str]`

**get\_linux\_ci\_versions()**

Returns the Python versions to run tests for on Linux.

**Return type** `List[str]`

**get\_linux\_mypy\_requirements()**

Returns the Python requirements to run tests for on Linux.

**Return type** `List[str]`

**get\_macos\_ci\_requirements()**

Returns the Python requirements to run tests for on macOS.

**Return type** `List[str]`

**get\_macos\_ci\_versions()**

Returns the Python versions to run tests for on macOS.

**Return type** `List[str]`

**get\_mypy\_requirements** (*platform*)

Returns the Python requirements to run tests for on the given platform.

**Return type** `List[str]`

**get\_windows\_ci\_requirements** ()

Returns the Python requirements to run tests for on Windows.

**Return type** `List[str]`

**get\_windows\_ci\_versions** ()

Returns the Python versions to run tests for on Windows.

**Return type** `List[str]`

**make\_flake8** ()

Create, update or remove the flake8 action, as appropriate.

New in version 2021.8.11.

**Return type** `PathPlus`

**make\_linux** ()

Create, update or remove the Linux action, as appropriate.

**Return type** `PathPlus`

**make\_macos** ()

Create, update or remove the macOS action, as appropriate.

**Return type** `PathPlus`

**make\_mypy** ()

Create, update or remove the mypy action, as appropriate.

New in version 2020.1.27.

**Return type** `PathPlus`

**make\_rustpython** ()

Create, update or remove the RustPython action, as appropriate.

**Return type** `PathPlus`

**make\_windows** ()

Create, update or remove the Windows action, as appropriate.

**Return type** `PathPlus`

**ensure\_bumpversion** (*repo\_path, templates*)

Add configuration for bumpversion to the desired repo.

<https://pypi.org/project/bumpversion/>

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**get\_bumpversion\_filenames** (*templates*)

Returns an iterable of filenames to have the version number bumped in.

New in version 2021.3.8.

**Parameters** **templates** (`Environment`)

**Return type** `Iterable[str]`

**make\_actions\_deploy\_conda** (*repo\_path, templates*)

Add script to build Conda package and deploy to Anaconda.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_actions\_milestones** (*repo\_path, templates*)

Add script to close milestones on release.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_conda\_actions\_ci** (*repo\_path, templates*)

Add configuration for testing conda packages on *GitHub Actions* to the desired repo.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_github\_ci** (*repo\_path, templates*)

Add configuration for *GitHub Actions* to the desired repo.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_github\_docs\_test** (*repo\_path, templates*)

Add configuration for *GitHub Actions* documentation check to the desired repo.

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

**make\_github\_flake8** (*repo\_path, templates*)

Add configuration for the Flake8 GitHub Action.

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

**make\_github\_manylinux** (*repo\_path, templates*)

Add configuration for *GitHub Actions* manylinux wheel builds the desired repo.

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

**make\_github\_mypy** (*repo\_path, templates*)

Add configuration for the mypy GitHub Action.

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

**make\_github\_octocheese** (*repo\_path, templates*)

Add configuration for the OctoCheese GitHub Action.

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

## 4.9.6 contributing

Contributing information for GitHub and documentation, plus GitHub issue templates.

**Functions:**

---

<code>github_bash_block(*commands)</code>	Formats the given commands in a reStructuredText bash code block suitable for rendering on GitHub.
<code>make_contributing(repo_path, templates)</code>	Add <code>CONTRIBUTING.rst</code> to the desired repo.

---

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<code>make_docs_contributing(repo_path, templates)</code>	Add CONTRIBUTING.rst to the documentation directory of the repo.
<code>make_issue_templates(repo_path, templates)</code>	Add issue templates for GitHub to the desired repo.

**github\_bash\_block** (\*commands)

Formats the given commands in a reStructuredText bash code block suitable for rendering on GitHub.

**Parameters** `commands`

**Return type** `str`

**make\_contributing** (repo\_path, templates)

Add CONTRIBUTING.rst to the desired repo.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_docs\_contributing** (repo\_path, templates)

Add CONTRIBUTING.rst to the documentation directory of the repo.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_issue\_templates** (repo\_path, templates)

Add issue templates for GitHub to the desired repo.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

## 4.9.7 docs

Configuration for documentation with [Sphinx](#) and [ReadTheDocs](#).

**Functions:**

<code>copy_docs_styling(repo_path, templates)</code>	Copy custom styling for documentation to the desired repository.
<code>ensure_doc_requirements(repo_path, templates)</code>	Ensure <code>&lt;docs_dir&gt;/requirements.txt</code> contains the required entries.

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<code>make_404_page(repo_path, templates)</code>	<b>type</b> <code>repo_path</code> <code>Path</code>
<code>make_alabaster_theming()</code>	Make the custom stylesheet for the alabaster Sphinx theme.
<code>make_conf(repo_path, templates)</code>	Add <code>conf.py</code> configuration file for Sphinx.
<code>make_docs_license_rst(repo_path, templates)</code>	Create the “License” page in the documentation.
<code>make_docs_source_rst(repo_path, templates)</code>	Create the “Source” page in the documentation, and add the associated image.
<code>make_docutils_conf(repo_path, templates)</code>	Add configuration for Docutils.
<code>make_readthedocs_theming()</code>	Make the custom stylesheet for the ReadTheDocs Sphinx theme.
<code>make_rtf(repo_path, templates)</code>	Add configuration for ReadTheDocs.
<code>rewrite_docs_index(repo_path, templates)</code>	Update blocks in the documentation <code>index.rst</code> file.

**copy\_docs\_styling** (*repo\_path, templates*)

Copy custom styling for documentation to the desired repository.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**ensure\_doc\_requirements** (*repo\_path, templates*)

Ensure `<docs_dir>/requirements.txt` contains the required entries.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_404\_page** (*repo\_path, templates*)

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_alabaster\_theming** ()

Make the custom stylesheet for the alabaster Sphinx theme.

**Return type** `str`

**Returns** The custom stylesheet.

**make\_conf** (*repo\_path, templates*)

Add `conf.py` configuration file for Sphinx.



<https://www.sphinx-doc.org/en/master/index.html>

#### Parameters

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_docs\_license\_rst** (*repo\_path, templates*)

Create the “License” page in the documentation.

#### Parameters

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_docs\_source\_rst** (*repo\_path, templates*)

Create the “Source” page in the documentation, and add the associated image.

#### Parameters

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_docutils\_conf** (*repo\_path, templates*)

Add configuration for Docutils.

#### Parameters

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**make\_readthedocs\_theming** ()

Make the custom stylesheet for the ReadTheDocs Sphinx theme.

**Return type** `str`

**Returns** The custom stylesheet.

**make\_rtd** (*repo\_path, templates*)

Add configuration for ReadTheDocs.

<https://readthedocs.org/>

See <https://docs.readthedocs.io/en/stable/config-file/v2.html> for details

#### Parameters

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

**rewrite\_docs\_index** (*repo\_path, templates*)

Update blocks in the documentation `index.rst` file.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

## 4.9.8 gitignore

Configuration for the `.gitignore` file.

**Functions:**

---

<code>make_gitignore(repo_path, templates)</code>	Add <code>.gitignore</code> file to the given repository.
---	---

---

**make\_gitignore** (*repo\_path, templates*)

Add `.gitignore` file to the given repository.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

## 4.9.9 linting

Configuration for various linting tools, such as `Flake8` and `Pylint`.

**Functions:**

---

<code>make_pylintrc(repo_path, templates)</code>	Copy <code>.pylintrc</code> into the desired repository.
--	--

---

**make\_pylintrc** (*repo\_path, templates*)

Copy `.pylintrc` into the desired repository.

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

## 4.9.10 packaging

Manage configuration files for packaging tools.

### Functions:

<code>make_manifest(repo_path, templates)</code>	Update the <code>MANIFEST.in</code> file for <code>setuptools</code> .
<code>make_pkginfo(repo_path, templates)</code>	Update the <code>__pkginfo__.py</code> file.
<code>make_pyproject(repo_path, templates)</code>	Create the <code>pyproject.toml</code> file for <a href="#">PEP 517</a> .
<code>make_setup(repo_path, templates)</code>	Update the <code>setup.py</code> script.
<code>make_setup_cfg(repo_path, templates)</code>	Update the <code>setup.py</code> script.

#### `make_manifest(repo_path, templates)`

Update the `MANIFEST.in` file for `setuptools`.

##### Parameters

- `repo_path` (`Path`) – Path to the repository root.
- `templates` (`Environment`)

**Return type** `List[str]`

#### `make_pkginfo(repo_path, templates)`

Update the `__pkginfo__.py` file.

##### Parameters

- `repo_path` (`Path`) – Path to the repository root.
- `templates` (`Environment`)

**Return type** `List[str]`

#### `make_pyproject(repo_path, templates)`

Create the `pyproject.toml` file for [PEP 517](#).

##### Parameters

- `repo_path` (`Path`) – Path to the repository root.
- `templates` (`Environment`)

**Return type** `List[str]`

#### `make_setup(repo_path, templates)`

Update the `setup.py` script.

##### Parameters

- `repo_path` (`Path`) – Path to the repository root.
- `templates` (`Environment`)

**Return type** `List[str]`

#### `make_setup_cfg(repo_path, templates)`

Update the `setup.py` script.

##### Parameters

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

### 4.9.11 pre\_commit

Configuration for pre-commit.

#### Data:

<code>GITHUB_COM</code>	Instance of <code>apeye.url.URL</code> that points to the GitHub website.
-------------------------	---

#### Classes:

<code>Hook</code>	Represents a pre-commit hook.
<code>Repo(repo, rev, hooks)</code>	Represents a repository providing a pre-commit hooks.

#### Functions:

<code>make_github_url(username, repository)</code>	Construct a URL to a GitHub repository from a username and repository name.
<code>make_pre_commit(repo_path, templates)</code>	Add configuration for pre-commit.

`GITHUB_COM = URL('https://github.com')`

**Type:** `URL`

Instance of `apeye.url.URL` that points to the GitHub website.

#### `typeddict Hook`

Bases: `TypedDict`

Represents a pre-commit hook.

#### Required Keys

- **id** (`str`) – Which hook from the repository to use.

#### Optional Keys

- **alias** (`str`) – Allows the hook to be referenced using an additional id when using pre-commit run `<hookid>`.
- **name** (`str`) – Override the name of the hook - shown during hook execution.
- **language\_version** (`str`) – Override the language version for the hook. See <https://pre-commit.com/#overriding-language-version>
- **files** (`str`) – Override the default pattern for files to run on.
- **exclude** (`str`) – File exclude pattern.
- **types** (`List[str]`) – Override the default file types to run on. See <https://pre-commit.com/#filtering-files-with-types>.
- **exclude\_types** (`List[str]`) – File types to exclude.

- **args** (`List[str]`) – List of additional parameters to pass to the hook.
- **stages** (`List[Literal['commit', 'merge-commit', 'push', 'prepare-commit-msg', 'commit-msg', 'manual']]`) – Confines the hook to the commit, merge-commit, push, prepare-commit-msg, commit-msg, post-checkout, or manual stage. See <https://pre-commit.com/#confining-hooks-to-run-at-certain-stages>.
- **additional\_dependencies** (`List[str]`) – A list of dependencies that will be installed in the environment where this hook gets run. One useful application is to install plugins for hooks such as eslint.
- **always\_run** (`bool`) – If `True`, this hook will run even if there are no matching files.
- **verbose** (`bool`) – If `True`, forces the output of the hook to be printed even when the hook passes.
- **log\_file** (`str`) – If present, the hook output will additionally be written to a file.

**class Repo** (*repo, rev, hooks*)

Bases: `object`

Represents a repository providing a pre-commit hooks.

#### Methods:

<code>__eq__(other)</code>	Method generated by attrs for class Repo.
<code>__ge__(other)</code>	Method generated by attrs for class Repo.
<code>__gt__(other)</code>	Method generated by attrs for class Repo.
<code>__le__(other)</code>	Method generated by attrs for class Repo.
<code>__lt__(other)</code>	Method generated by attrs for class Repo.
<code>__ne__(other)</code>	Check equality and either forward a NotImplemented or return the result negated.
<code>__repr__()</code>	Method generated by attrs for class Repo.
<code>replace_hooks(hooks)</code>	Return a new instance of this repo with the new hooks provided.
<code>to_dict()</code>	Returns a dictionary representation of the <i>Repo</i> .

#### Attributes:

<code>repo</code>	The repository url to git clone from.
<code>rev</code>	The revision or tag to clone at.

`__eq__(other)`  
Method generated by attrs for class Repo.

`__ge__(other)`  
Method generated by attrs for class Repo.

`__gt__(other)`  
Method generated by attrs for class Repo.

`__le__(other)`  
Method generated by attrs for class Repo.

`__lt__(other)`  
Method generated by attrs for class Repo.

`__ne__` (*other*)

Check equality and either forward a `NotImplemented` or return the result negated.

`__repr__` ()

Method generated by attrs for class `Repo`.

`replace_hooks` (*hooks*)

Return a new instance of this repo with the new hooks provided.

**Parameters** `hooks` (`Iterable[Union[str, Hook]]`)

**Return type** `Repo`

`repo`

**Type:** `URL`

The repository url to git clone from.

`rev`

**Type:** `str`

The revision or tag to clone at.

`to_dict` ()

Returns a dictionary representation of the `Repo`.

**Return type** `MutableMapping[str, Union[str, List[Hook]]]`

`make_github_url` (*username, repository*)

Construct a URL to a GitHub repository from a username and repository name.

**Parameters**

- **username** (`str`) – The username of the GitHub account that owns the repository.
- **repository** (`str`) – The name of the repository.

**Return type** `URL`

`make_pre_commit` (*repo\_path, templates*)

Add configuration for pre-commit.

`https://github.com/pre-commit/pre-commit`

# See `https://pre-commit.com` for more information # See `https://pre-commit.com/hooks.html` for more hooks

**Parameters**

- **repo\_path** (`Path`) – Path to the repository root.
- **templates** (`Environment`)

**Return type** `List[str]`

### 4.9.12 readme

Functions to update README files.

#### Functions:

<code>rewrite_readme(repo_path, templates)</code>	Update blocks in the README.rst file.
---	---------------------------------------

**rewrite\_readme** (*repo\_path, templates*)  
Update blocks in the README.rst file.

#### Parameters

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** `List[str]`

### 4.9.13 testing

Configuration for testing and code formatting tools.

#### Classes:

<code>ToxConfig(repo_path, templates)</code>	Generates the tox.ini configuration file.
--	---

#### Functions:

<code>ensure_tests_requirements(repo_path, templates)</code>	Ensure tests/requirements.txt contains the required entries.
<code>make_formate_toml(repo_path, templates)</code>	Add configuration for formate.
<code>make_isort(repo_path, templates)</code>	Remove the isort configuration file.
<code>make_justfile(repo_path, templates)</code>	Add configuration for just.
<code>make_tox(repo_path, templates)</code>	Add configuration for Tox.
<code>make_yapf(repo_path, templates)</code>	Add configuration for yapf.

**class ToxConfig** (*repo\_path, templates*)  
Bases: `IniConfigurator`  
Generates the tox.ini configuration file.

#### Parameters

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

#### Methods:

<code>__getitem__(item)</code>	Passthrough to templates.globals.
<code>check_wheel_contents()</code>	[check-wheel-contents].
<code>coverage_report()</code>	[coverage:report].

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<code>coverage_run()</code>	[coverage:run].
<code>envlists()</code>	[envlists].
<code>flake8()</code>	[flake8].
<code>get_mypy_commands()</code>	Compile the list of mypy commands.
<code>get_mypy_dependencies()</code>	Compile the list of mypy dependencies.
<code>get_setenv([prefer_binary, setuptools_stdlib])</code>	Return environment variables to be set in the testenv.
<code>get_source_files()</code>	Compile the list of source files.
<code>get_third_party_version_matrix()</code>	Returns information about the matrix of third party versions.
<code>merge_existing(ini_file)</code>	Merge existing sections in the configuration file into the new configuration.
<code>pytest()</code>	[pytest].
<code>testenv()</code>	[testenv].
<code>testenv__package()</code>	[testenv:.package].
<code>testenv_build()</code>	[testenv:build].
<code>testenv_coverage()</code>	[testenv:coverage].
<code>testenv_docs()</code>	[testenv:docs].
<code>testenv_lint()</code>	[testenv:lint].
<code>testenv_mypy()</code>	[testenv:mypy].
<code>testenv_perflint()</code>	[testenv:perflint].
<code>testenv_py312_dev()</code>	[testenv:py312-dev].
<code>testenv_pyup()</code>	[testenv:pyup].
<code>tox()</code>	[tox].

**\_\_getitem\_\_** (*item*)Passthrough to `templates.globals`.**Parameters** `item` (`str`)**Return type** `Any`**check\_wheel\_contents** ()

[check-wheel-contents].

**coverage\_report** ()

[coverage:report].

**coverage\_run** ()

[coverage:run].

**envlists** ()

[envlists].

**flake8** ()

[flake8].

**get\_mypy\_commands** ()

Compile the list of mypy commands.

**Return type** `List[str]`



**get\_mypy\_dependencies()**

Compile the list of mypy dependencies.

**Return type** `List[str]`

**get\_setenv** (*prefer\_binary=True, setuptools\_stdlib=True*)

Return environment variables to be set in the testenv.

**Parameters**

- **prefer\_binary** (`bool`) – Whether pip should be configured to prefer older binary packages over newer source packages. Default `True`.
- **setuptools\_stdlib** (`bool`) – Whether setuptools should be configured to use the stdlib distutils. Default `True`.

**Return type** `List[str]`

**get\_source\_files()**

Compile the list of source files.

**Return type** `List[str]`

**get\_third\_party\_version\_matrix()**

Returns information about the matrix of third party versions.

The returned object is a three-element tuple, comprising:

- The name of the third party library.
- A list of version strings.
- The testenv suffix, e.g. `-attrs{19.3,20.1}`.

**Return type** `Tuple[str, DelimitedList, str]`

**merge\_existing** (*ini\_file*)

Merge existing sections in the configuration file into the new configuration.

**Parameters** **ini\_file** (`Path`) – The existing `.ini` file.

**pytest()**

`[pytest]`.

**testenv()**

`[testenv]`.

**testenv\_\_package()**

`[testenv:.package]`.

**testenv\_build()**

`[testenv:build]`.

**testenv\_coverage()**

`[testenv:coverage]`.

**testenv\_docs()**  
[testenv:docs].

**testenv\_lint()**  
[testenv:lint].

**testenv\_mypy()**  
[testenv:mypy].

**testenv\_perflint()**  
[testenv:perflint].

**testenv\_py312\_dev()**  
[testenv:py312-dev].

**testenv\_pyup()**  
[testenv:pyup].

**tox()**  
[tox].

**ensure\_tests\_requirements** (*repo\_path, templates*)  
Ensure tests/requirements.txt contains the required entries.

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** *List[str]*

**make\_formate\_toml** (*repo\_path, templates*)  
Add configuration for formate.  
<https://formate.readthedocs.io>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** *List[str]*

**make\_isort** (*repo\_path, templates*)  
Remove the isort configuration file.  
<https://github.com/timothycrosley/isort>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** *List[str]*

**make\_justfile** (*repo\_path*, *templates*)

Add configuration for just.

<https://github.com/casey/just>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** *List[str]*

**make\_tox** (*repo\_path*, *templates*)

Add configuration for Tox.

<https://tox.readthedocs.io>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** *List[str]*

**make\_yapf** (*repo\_path*, *templates*)

Add configuration for yapf.

<https://github.com/google/yapf>

**Parameters**

- **repo\_path** (*Path*) – Path to the repository root.
- **templates** (*Environment*)

**Return type** *List[str]*



## 5.1 Overview

`repo_helper` 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
```

## 5.2 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
```

## 5.3 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
```

## 5.4 Type Annotations

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

```
$ tox -e mypy
```

## 5.5 Build documentation locally

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

```
$ tox -e docs
```

## 5.6 Downloading source code

The `repo_helper` source code is available on GitHub, and can be accessed from the following URL: [https://github.com/repo-helper/repo\\_helper](https://github.com/repo-helper/repo_helper)

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

```
$ git clone https://github.com/repo-helper/repo_helper
```

```
Cloning into 'repo_helper'...
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*

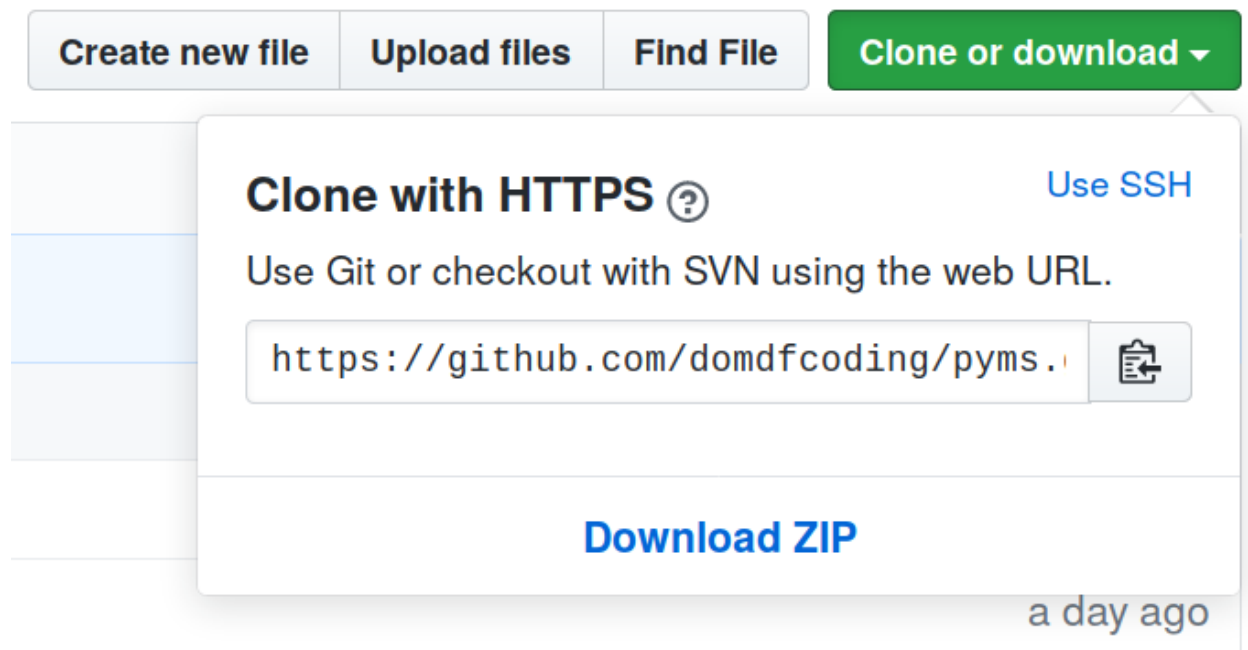


Fig. 1: Downloading a ‘zip’ file of the source code

## 5.6.1 Building from source

The recommended way to build `repo_helper` 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.

## 5.7 License

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