MOPUp

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CONTENTS

FEATURES

MOPUp is the mac**OS P**ython.org **Updater**.

If you prefer to use the binary installers from python.org, it's easy to forget to update them. This is a program that does that; it updates them. Just `pip install mopup` into a virtualenv using the Python you are using, run `mopup` and provide your password when required.

Normally, it does this using a CLI in the background, but if you'd prefer, you can run it with `--interactive` for it to launch the usual macOS GUI Installer app.

INSTALLATION

You can install *MOPUp* via pip from PyPI:

```
$ pip install mopup
```

THREE

USAGE

Please see the Command-line Reference for details.

FOUR

CONTRIBUTING

Contributions are very welcome. To learn more, see the Contributor Guide.

LICENSE

Distributed under the terms of the MIT license, *MOPUp* is free and open source software.

ISSUES

If you encounter any problems, please file an issue along with a detailed description.

CREDITS

This project was generated from @cjolowicz's Hypermodern Python Cookiecutter template.

7.1 Usage

7.1.1 mopup

MOPUp - the (m)ac(O)S (P)ython.org (Up)dater

Run this program and enter your administrator password to install the most recent version from Python.org that matches your major/minor version.

```
mopup [OPTIONS]
```

Options

--interactive <interactive>
> use the installer GUI

--force <force>
> reinstall python even if it's up to date

--minor <minor>
> do a minor version upgrade rather than the default (a micro-version)

--dry-run <dry_run>
> don't actually download or install anything even if we're not up to date

7.2 Reference

7.2.1 mopup

Auto-updater for official python.org builds of python.

mopup.**alllinksin**(u, e)
> Get all the links in the given URL whose text matches the given pattern.
>
> > **Parameters**

- **u** (*DecodedURL*) –

- **e** (*Pattern[str]*) –

Return type
> *Iterable*[*Tuple*[*Match*[str], *DecodedURL*]]

mopup.**do_download**(*download_url*)

> Download the given URL into the downloads directory.

> Returning the path when successful.

Parameters
> **download_url** (*DecodedURL*) –

Return type
> str

mopup.**main**(*interactive*, *force*, *minor_upgrade*, *dry_run*)

> Do an update.

Parameters

- **interactive** (*bool*) –

- **force** (*bool*) –

- **minor_upgrade** (*bool*) –

- **dry_run** (*bool*) –

Return type
> None

7.3 Contributor Guide

Thank you for your interest in improving this project. This project is open-source under the MIT license and welcomes contributions in the form of bug reports, feature requests, and pull requests.

Here is a list of important resources for contributors:

- Source Code
- Documentation
- Issue Tracker
- Code of Conduct

7.3.1 How to report a bug

Report bugs on the Issue Tracker.

When filing an issue, make sure to answer these questions:

- Which operating system and Python version are you using?
- Which version of this project are you using?
- What did you do?
- What did you expect to see?

- What did you see instead?

The best way to get your bug fixed is to provide a test case, and/or steps to reproduce the issue.

7.3.2 How to request a feature

Request features on the Issue Tracker.

7.3.3 How to set up your development environment

You need Python 3.7+ and the following tools:

- Poetry
- Nox
- nox-poetry

Install the package with development requirements:

```
$ poetry install
```

You can now run an interactive Python session, or the command-line interface:

```
$ poetry run python
$ poetry run MOPUp
```

7.3.4 How to test the project

Run the full test suite:

```
$ nox
```

List the available Nox sessions:

```
$ nox --list-sessions
```

You can also run a specific Nox session. For example, invoke the unit test suite like this:

```
$ nox --session=tests
```

Unit tests are located in the `tests` directory, and are written using the pytest testing framework.

7.3.5 How to submit changes

Open a pull request to submit changes to this project.

Your pull request needs to meet the following guidelines for acceptance:

- The Nox test suite must pass without errors and warnings.
- Include unit tests. This project maintains 100% code coverage.
- If your changes add functionality, update the documentation accordingly.

Feel free to submit early, though—we can always iterate on this.

To run linting and code formatting checks before committing your change, you can install pre-commit as a Git hook by running the following command:

```
$ nox --session=pre-commit -- install
```

It is recommended to open an issue before starting work on anything. This will allow a chance to talk it over with the owners and validate your approach.

Contributor Code of Conduct

As contributors and maintainers of this project, and in the interest of fostering an open and welcoming community, we pledge to respect all people who contribute through reporting issues, posting feature requests, updating documentation, submitting pull requests or patches, and other activities.

We are committed to making participation in this project a harassment-free experience for everyone, regardless of level of experience, gender, gender identity and expression, sexual orientation, disability, personal appearance, body size, race, ethnicity, age, religion, or nationality.

Examples of unacceptable behavior by participants include:

- The use of sexualized language or imagery

- Personal attacks

- Trolling or insulting/derogatory comments

- Public or private harassment

- Publishing other's private information, such as physical or electronic addresses, without explicit permission

- Other unethical or unprofessional conduct

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Instances of abusive, harassing, or otherwise unacceptable behavior may be reported by contacting a project maintainer (see below). All complaints will be reviewed and investigated and will result in a response that is deemed necessary and appropriate to the circumstances. Maintainers are obligated to maintain confidentiality with regard to the reporter of an incident.

This Code of Conduct is adapted from the [Contributor Covenant][homepage], version 1.3.0, available at [http://contributor-covenant.org/version/1/3/0/{]}{[}version]

[homepage]: http://contributor-covenant.org [version]: http://contributor-covenant.org/version/1/3/0/

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PYTHON MODULE INDEX

m

mopup, 15

Symbols

A

D

M