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# **repo-helper-devenv**

***Release 0.6.1***

**Create virtual environments with repo-helper.**

**Dominic Davis-Foster**

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## Installation

### 1.1 from PyPI

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

### 1.2 from GitHub

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



## Usage

### 2.1 repo-helper devenv

Create a virtualenv.

```
repo-helper devenv [OPTIONS] [DEST]
```

#### Options

- U, --upgrade**  
Upgrade all specified packages to the newest available version.
- version**  
Show the version and exit.
- colour, --no-colour**  
Whether to use coloured output.
- v, --verbose**  
Show verbose output.

#### Arguments

**DEST**  
Optional argument. Default 'venv'

DEST is relative to the repository root.

Changed in version 0.4.0: Added the **-U / --upgrade** option.





## Public API

Create virtual environments with `repo-helper`.

### Functions:

<code>install_requirements(session, requirements_file)</code>	require-	Install requirements into a virtualenv.
<code>mkdevenv(repo_dir[, venv_dir, verbosity, ...])</code>		Create a “devenv”.
<code>read_pyvenv(venv_dir)</code>		Reads the <code>pyvenv.cfg</code> for the given virtualenv, and returns a <code>key: value</code> mapping of its contents.

**`install_requirements`** (*session*, *requirements\_file*, *verbosity=1*, \*, *upgrade=False*)

Install requirements into a virtualenv.

#### Parameters

- **`session`** (`Session`)
- **`requirements_file`** (`Union[str, Path, PathLike]`)
- **`verbosity`** (`int`) – The verbosity of the function. 0 = quiet, 2 = very verbose. Default 1.
- **`upgrade`** (`bool`) – Whether to upgrade all specified packages to the newest available version. Default `False`.

Changed in version 0.4.0: Added the `upgrade` keyword-only argument.

Deprecated since version 0.5.0: This will be removed in 1.0.0.

**`mkdevenv`** (*repo\_dir*, *venv\_dir='venv'*, *verbosity=1*, \*, *upgrade=False*)

Create a “devenv”.

New in version 0.3.2.

#### Parameters

- **`repo_dir`** (`Union[str, Path, PathLike]`) – The root of the repository to create the devenv for.
- **`venv_dir`** (`Union[str, Path, PathLike]`) – The directory to create the devenv in, relative to `repo_dir`. Default `'venv'`.
- **`verbosity`** (`int`) – The verbosity of the function. 0 = quiet, 2 = very verbose. Default 1.
- **`upgrade`** (`bool`) – Whether to upgrade all specified packages to the newest available version. Default `False`.

**Return type** `int`

Changed in version 0.4.0: Added the `upgrade` keyword-only argument.

**read\_pyvenv** (*venv\_dir*)

Reads the `pyvenv.cfg` for the given virtualenv, and returns a `key: value` mapping of its contents.

New in version 0.3.2.

**Parameters** `venv_dir` (`Union[str, Path, PathLike]`)

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

Deprecated since version 0.4.0: This will be removed in 1.0.0. Use ‘`shippinglabel.read_pyvenv`’ instead.

## Downloading source code

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

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

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

```
Cloning into 'repo_helper_devenv'...
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*

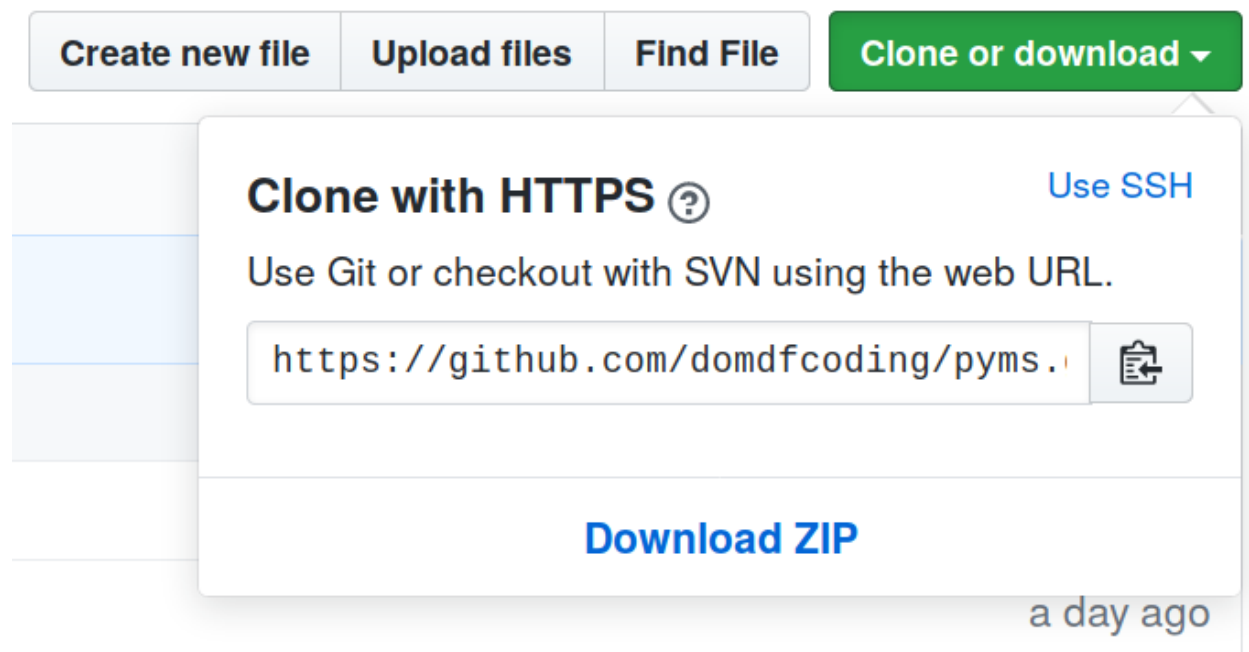


Fig. 1: Downloading a ‘zip’ file of the source code

## 4.1 Building from source

The recommended way to build `repo_helper_devenv` 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.

## License

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```

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