
searchdocs

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Search the Python documentation from your terminal.

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Built on top of `sphobjinv`, which can be used for more advanced manipulation and searching of Sphinx `objects.inv` files.

Installation

1.1 from PyPI

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

1.2 from GitHub

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


Usage

2.1 searchdocs

Search for `SEARCH_TERM` in the Python documentation, and print the URL of the best match.

```
searchdocs [OPTIONS] SEARCH_TERM
```

Options

--browser

Open the documentation in the default web browser.

Arguments

SEARCH_TERM

Required argument.

Tip: The output from the `searchdocs` command can be piped into the `lynx (1)` command to open a web browser in the terminal:

```
$ searchdocs rmtree | lynx -
```

Public API

Search the Python documentation from your terminal.

Data:

<code>cache_dir</code>	Directory in which cached files are stored.
------------------------	---------------------------------------------

Functions:

<code>cache_dir_for_url(url)</code>	Returns the path to the cache subdirectory for the given URL.
<code>download_objects_inv(docs_url)</code>	Download the Sphinx <code>objects.inv</code> file for the documentation available at the given URL.
<code>find_url(docs_url, search_term)</code>	Find the complete documentation URL for the given function, class, method etc.
<code>resolve_url(url)</code>	Resolve any redirects in the given URL.

```
cache_dir = PosixPathPlus('/home/docs/.cache/searchdocs')
```

Type: `PosixPathPlus`

Directory in which cached files are stored.

```
cache_dir_for_url(url)
```

Returns the path to the cache subdirectory for the given URL.

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

Return type `PathPlus`

```
download_objects_inv(docs_url)
```

Download the Sphinx `objects.inv` file for the documentation available at the given URL.

Parameters `docs_url` (`Union[str, RequestsURL]`) – The base URL for the documentation, e.g. `"https://docs.python.org/3/"`.

Return type `PathPlus`

Returns The filename of the cached file.

find_url (*docs_url*, *search_term*)

Find the complete documentation URL for the given function, class, method etc.

Parameters

- **docs_url** (`Union[str, RequestsURL]`) – The base URL for the documentation, e.g. "https://docs.python.org/3/".
- **search_term** (`str`) – The object to search for, e.g. 'TemporaryDirectory'.

Return type `URL`

Returns The url of the object in the documentation, e.g. `URL('https://docs.python.org/3/library/tempfile.html#tempfile.TemporaryDirectory')`.

resolve_url (*url*)

Resolve any redirects in the given URL.

Parameters **url** (`Union[str, RequestsURL]`)

Return type `RequestsURL`

Contributing

searchdocs 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
```

4.1 Coding style

`formate` is used for code formatting.

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

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

Or, to run the complete autoformatting suite:

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

4.2 Automated tests

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

```
$ tox -e py36
```

To run tests for all Python versions, simply run:

```
$ tox
```

4.3 Type Annotations

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

```
$ tox -e mypy
```

4.4 Build documentation locally

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

```
$ tox -e docs
```

Downloading source code

The searchdocs source code is available on GitHub, and can be accessed from the following URL: <https://github.com/domdfcoding/searchdocs>

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

```
$ git clone https://github.com/domdfcoding/searchdocs
```

```
Cloning into 'searchdocs'...
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

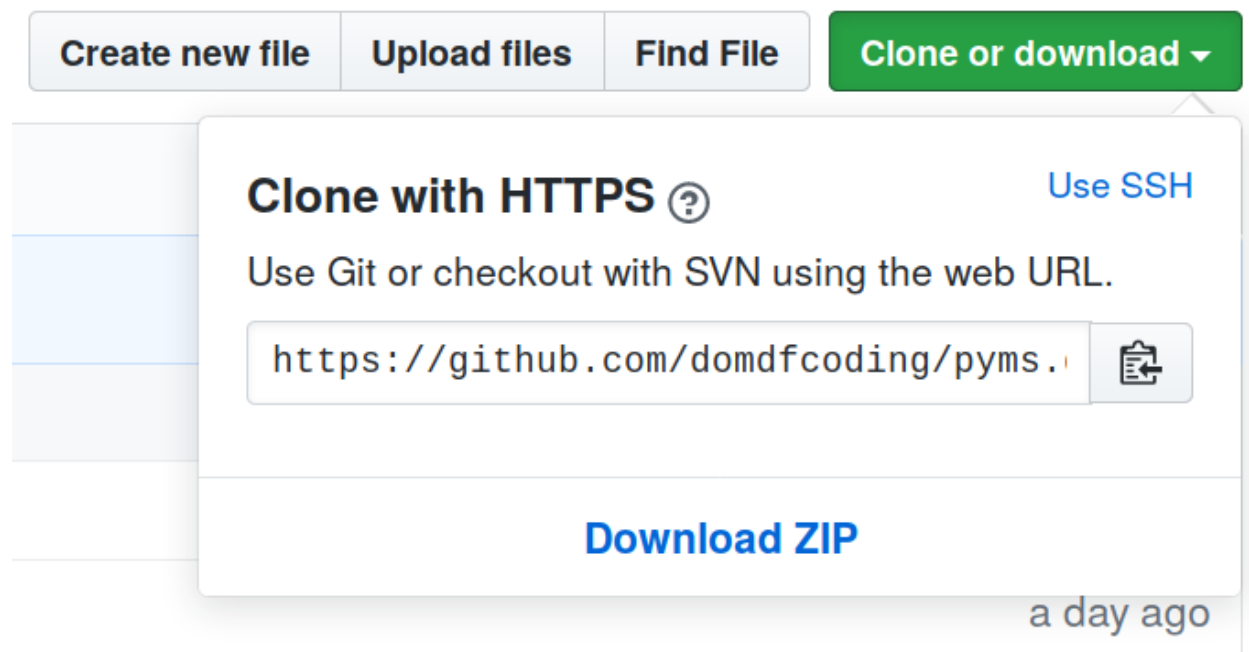


Fig. 1: Downloading a 'zip' file of the source code

5.1 Building from source

The recommended way to build `searchdocs` is to use `tox`:

```
$ tox -e build
```

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

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

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```
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```

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