
.. toctree:: +

toctree-plus

Release 0.6.1

**Enhanced Sphinx TocTree which shows classes,
functions etc. as if they were sections.**

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1.1 Installation

1.1.1 from PyPI

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

1.1.2 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 toctree_plus
```

1.1.3 from GitHub

```
$ python3 -m pip install git+https://github.com/sphinx-toolbox/toctree_plus@master --user
```

Enable `toctree_plus` by adding the following to the `extensions` variable in your `conf.py`:

```
extensions = [
    ...
    'sphinxcontrib.toctree_plus',
]
```

For more information see

<https://www.sphinx-doc.org/en/master/usage/extensions#third-party-extensions>.

1.2 Configuration

`toctree_plus_types`

Type: `Dict[str]`

Default: `{"class", "function", "method"}`

This determines the directive types that appear in the toctree.

.. toctree:: + Demo

This idea has been suggested in [sphinx-doc/sphinx#6316](#) and [sphinx-doc/sphinx#6435](#).

You can see `toctree-plus` in action in [this project's documentation](#), and the documentation for [domdf-python-tools](#) (ReadTheDocs Sphinx Theme) and [whey](#) (Furo Sphinx Theme).

Note: This documentation was generated with the following setting in `conf.py`:

```
toctree_plus_types = {"class", "function", "data"}
```

Attention: Observe that the methods of `AClass` do not appear in the TOC. This is a known limitation.

```
class AClass
```

```
    __repr__()
```

```
    __str__()
```

```
    __int__()
```

```
    __float__()
```

```
months = ['Jan', 'Feb', ...]
```

```
a_function(foo, bar, baz)
```


API Reference

Enhanced Sphinx TocTree which shows classes and functions as if they were sections.

Classes:

<code>TocTreePlusCollector()</code>	Subclass of <code>sphinx.environment.collectors.tocTree.TocTreeCollector</code> that includes classes and functions in the toctree as if they were sections.
-------------------------------------	--

Functions:

<code>setup(app)</code>	Setup Sphinx Extension.
-------------------------	-------------------------

class `TocTreePlusCollector`

Bases: `TocTreeCollector`

Subclass of `sphinx.environment.collectors.tocTree.TocTreeCollector` that includes classes and functions in the toctree as if they were sections.

Methods:

<code>process_doc(app, doctree)</code>	Build a TOC from the doctree and store it in the inventory.
--	---

process_doc (*app*, *doctree*)

Build a TOC from the doctree and store it in the inventory.

Parameters

- **app** (`Sphinx`) – The Sphinx application.
- **doctree** (`document`)

setup (*app*)

Setup Sphinx Extension.

Parameters **app** (`Sphinx`) – The Sphinx application.

Return type `Dict[str, Any]`

Downloading source code

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

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

```
$ git clone https://github.com/sphinx-toolbox/toctree_plus
```

```
Cloning into 'toctree_plus'...
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

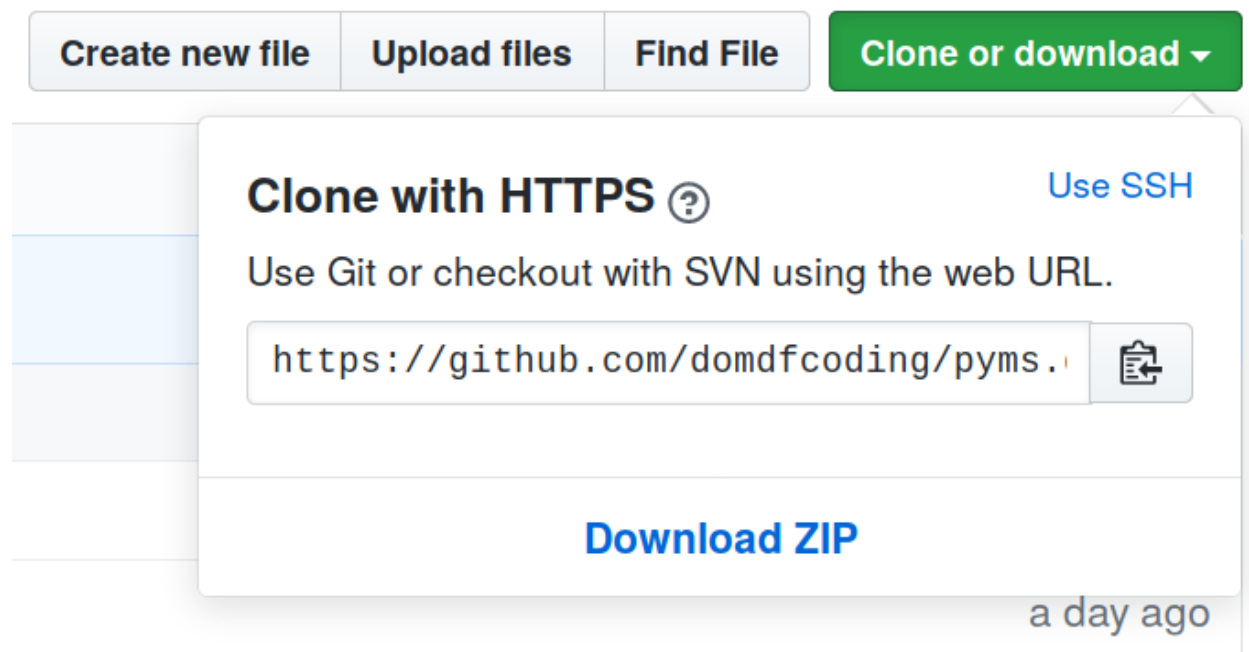


Fig. 1: Downloading a ‘zip’ file of the source code

4.1 Building from source

The recommended way to build `toctree_plus` 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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