.. toctree:: +

# toctree-plus

***Release 0.6.1***

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

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Chapter

ONE

# Usage

## 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.

Chapter

# TWO

## .. 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*)

Chapter

# THREE

# API Reference

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

**Classes:**

| | |
|---|---|
| *TocTreePlusCollector*() | Subclass of `sphinx.environment.collectors.toctree.TocTreeCollector` that includes classes and functions in the toctree as if they were sections. |

**Functions:**

| | |
|---|---|
| *setup*(app) | 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:**

| | |
|---|---|
| *process_doc*(app, doctree) | 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]`

Chapter

# FOUR

## 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*

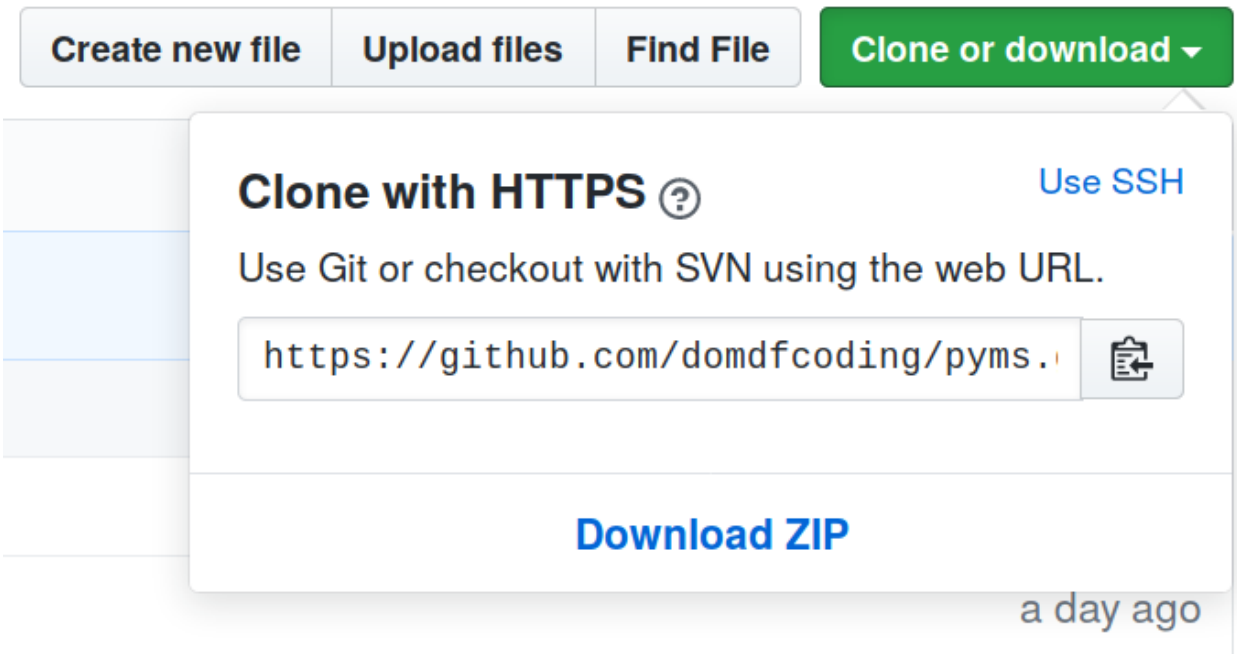


Fig. 1: Downloading a 'zip' file of the source code

## 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.

Chapter

FIVE

# License

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```

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