

---

# **MkDocs RSS plugin**

*Release 0.12.0*

**Julien Moura**

**Jan 18, 2021**



## API REFERENCE

<b>1</b>	<b>mkdocs_rss_plugin</b>	<b>3</b>
1.1	mkdocs_rss_plugin package . . . . .	3
1.1.1	Subpackages . . . . .	3
1.1.1.1	mkdocs_rss_plugin.git_manager package . . . . .	3
1.1.2	Submodules . . . . .	4
1.1.2.1	mkdocs_rss_plugin.customtypes module . . . . .	4
1.1.2.2	mkdocs_rss_plugin.plugin module . . . . .	4
1.1.2.3	mkdocs_rss_plugin.util module . . . . .	5
	<b>Python Module Index</b>	<b>9</b>
	<b>Index</b>	<b>11</b>



**Author** Julien Moura

**Source code** <https://github.com/Guts/mkdocs-rss-plugin/>

**Package version** 0.12.0

**Documentation update** 2021-01-18

---

**Tip:** Here lives the development documentation. For usage documentation, please refer to: [Mkdocs RSS Plugin](#).

---



## MKDOCS\_RSS\_PLUGIN

### 1.1 mkdocs\_rss\_plugin package

#### 1.1.1 Subpackages

##### 1.1.1.1 mkdocs\_rss\_plugin.git\_manager package

###### Submodules

###### mkdocs\_rss\_plugin.git\_manager.ci module

**class** `mkdocs_rss_plugin.git_manager.ci.CiHandler` (*repo*)

Bases: `object`

**commit\_count** ()

Helper function to determine the number of commits in a repository.

**Returns:** count (int): Number of commits

**Return type** `bool`

**is\_shallow\_clone** ()

Helper function to determine if repository is a shallow clone.

References & Context: <https://github.com/timvink/mkdocs-rss-plugin/issues/10> <https://stackoverflow.com/a/37203240/5525118>

**Returns:** bool: If a repo is shallow clone

**Return type** `bool`

**raise\_ci\_warnings** ()

Raise warnings when users use mkdocs-rss-plugin on CI build runners.

## 1.1.2 Submodules

### 1.1.2.1 mkdocs\_rss\_plugin.customtypes module

**class** `mkdocs_rss_plugin.customtypes.PageInformation` (*abs\_path, authors, created, updated, title, description, image, url\_full*)

Bases: `tuple`

**abs\_path:** `pathlib.Path`

Alias for field number 0

**authors:** `tuple`

Alias for field number 1

**created:** `datetime.datetime`

Alias for field number 2

**description:** `str`

Alias for field number 5

**image:** `str`

Alias for field number 6

**title:** `str`

Alias for field number 4

**updated:** `datetime.datetime`

Alias for field number 3

**url\_full:** `str`

Alias for field number 7

### 1.1.2.2 mkdocs\_rss\_plugin.plugin module

**class** `mkdocs_rss_plugin.plugin.GitRssPlugin`

Bases: `mkdocs.plugins.BasePlugin`

**config\_scheme** = (('abstract\_chars\_count', <mkdocs.config.config\_options.Type object>),

**on\_config** (*config*)

The config event is the first event called on build and is run immediately after the user configuration is loaded and validated. Any alterations to the config should be made here. [https://www.mkdocs.org/user-guide/plugins/#on\\_config](https://www.mkdocs.org/user-guide/plugins/#on_config)

**Args:** config (dict): global configuration object

**Returns:** dict: global configuration object

**Return type** `dict`

**on\_page\_markdown** (*markdown, page, config, files*)

The page\_markdown event is called after the page's markdown is loaded from file and can be used to alter the Markdown source text. The meta- data has been stripped off and is available as page.meta at this point.

[https://www.mkdocs.org/user-guide/plugins/#on\\_page\\_markdown](https://www.mkdocs.org/user-guide/plugins/#on_page_markdown)

**Args:** markdown (str): Markdown source text of page as string page: `mkdocs.nav.Page` instance config: global configuration object site\_navigation: global navigation object

**Returns:** str: Markdown source text of page as string



**Return type** `str`

**on\_post\_build** (*config*)

The `post_build` event does not alter any variables. Use this event to call post-build scripts. See: <[https://www.mkdocs.org/user-guide/plugins/#on\\_post\\_build](https://www.mkdocs.org/user-guide/plugins/#on_post_build)>

**Args:** `config` (`dict`): global configuration object

**Returns:** `dict`: global configuration object

**Return type** `dict`

### 1.1.2.3 mkdocs\_rss\_plugin.util module

**class** `mkdocs_rss_plugin.util.Util` (*path=''*)

Bases: `object`

**build\_url** (*base\_url, path, args\_dict=None*)

Build URL using base URL, cumulating existing and passed path, then adding URL arguments.

#### Parameters

- **base\_url** (*str*) – base URL with existing path to use
- **path** (*str*) – URL path to cumulate with existing
- **args\_dict** (*dict, optional*) – URL arguments to add, defaults to `None`

**Returns** complete and valid URL

**Return type** `str`

**static filter\_pages** (*pages, attribute, length*)

Filter and return pages into a friendly RSS structure.

#### Parameters

- **pages** (*dict*) – pages to filter
- **attribute** (*str*) – page attribute as filter variable
- **length** (*int*) – max number of pages to return

**Returns** list of filtered pages

**Return type** `list`

**get\_authors\_from\_meta** (*in\_page*)

Returns authors from page meta. It handles ‘author’ and ‘authors’ for keys, `str` and iterable as values types.

**Args:** `in_page` (`Page`): page to look at

**Returns:** `Tuple[str]`: tuple of authors names

**Return type** `Tuple[str]`

**get\_date\_from\_meta** (*date\_metatag\_value, meta\_datetime\_format*)

Get date from page meta handling `str` with associated datetime format and date already transformed by MkDocs.

#### Parameters

- **date\_metatag\_value** (*str*) – value of `page.meta.{tag_for_date}`

- **meta\_datetime\_format** (*str*) – expected format of datetime

**Returns** datetime as timestamp

**Return type** float

**get\_description\_or\_abstract** (*in\_page*, *chars\_count=150*)

Returns description from page meta. If it doesn't exist, use the {chars\_count} first characters from page content (in markdown).

**Parameters**

- **in\_page** (*Page*) – [description]
- **chars\_count** (*int*) – [description]. Defaults to: 150 - optional

**Returns** page description to use

**Return type** str

**get\_file\_dates** (*in\_page*, *source\_date\_creation='git'*, *source\_date\_update='git'*,  
*meta\_datetime\_format='%Y-%m-%d %H:%M'*)

Extract creation and update dates from page metadata (yaml frontmatter) or git log for given file.

**Parameters**

- **in\_page** (*Page*) – input page to work with
- **source\_date\_creation** (*str*, *optional*) – which source to use (git or meta tag) for creation date, defaults to “git”
- **source\_date\_update** (*str*, *optional*) – which source to use (git or meta tag) for update date, defaults to “git”
- **meta\_datetime\_format** (*str*, *optional*) – datetime string format, defaults to “%Y-%m-%d %H:%M”

**Returns** tuple of timestamps (creation date, last commit date)

**Return type** Tuple[int, int]

**get\_image** (*in\_page*, *base\_url*)

Get image from page meta and returns properties.

**Parameters**

- **in\_page** (*Page*) – page to parse
- **base\_url** (*str*) – website URL to resolve absolute URLs for images referenced with local path.

**Returns** (image url, mime type, image length)

**Return type** tuple

**get\_local\_image\_length** (*page\_path*, *path\_to\_append*)

Build URL using base URL, cumulating existing and passed path, then adding URL arguments.

**Parameters**

- **page\_path** (*str*) – base URL with existing path to use
- **path** (*str*) – URL path to cumulate with existing

**Returns** complete and valid path

**Return type** str

**get\_remote\_image\_length** (*image\_url*, *http\_method='HEAD'*, *attempt=0*, *ssl\_context=None*)

Retrieve length for remote images (starting with 'http' in meta.image or meta.illustration). It tries to perform a HEAD request and get the length from the headers. If it fails, it tries again with a GET and disabling SSL verification.

**Parameters**

- **image\_url** (*str*) – remote image URL
- **http\_method** (*str*, *optional*) – HTTP method used to perform request, defaults to “HEAD”
- **attempt** (*int*, *optional*) – request tries counter, defaults to 0
- **ssl\_context** (*ssl.SSLContext*, *optional*) – SSL context, defaults to None

**Returns** image length

**Return type** `int`

**static get\_site\_url** (*mkdocs\_config*)

Extract site URL from MkDocs configuration and enforce the behavior to ensure returning a str with length > 0 or None. If exists, it adds an ending slash.

**Parameters** **mkdocs\_config** (*Config*) – configuration object

**Returns** site url

**Return type** `str` or `None`

**static guess\_locale** (*mkdocs\_config*)

Extract language code from MkDocs or Theme configuration.

**Parameters** **mkdocs\_config** (*Config*) – configuration object

**Returns** language code

**Return type** `str` or `None`



## PYTHON MODULE INDEX

### m

mkdocs\_rss\_plugin, 3  
mkdocs\_rss\_plugin.customtypes, 4  
mkdocs\_rss\_plugin.git\_manager, 3  
mkdocs\_rss\_plugin.git\_manager.ci, 3  
mkdocs\_rss\_plugin.plugin, 4  
mkdocs\_rss\_plugin.util, 5



- A**
- `abs_path` (*mkdocs\_rss\_plugin.customtypes.PageInformation attribute*), 4
  - `authors` (*mkdocs\_rss\_plugin.customtypes.PageInformation attribute*), 4
- B**
- `build_url` (*mkdocs\_rss\_plugin.util.Util method*), 5
- C**
- `CiHandler` (class in *mkdocs\_rss\_plugin.git\_manager.ci*), 3
  - `commit_count` (*mkdocs\_rss\_plugin.git\_manager.ci.CiHandler method*), 3
  - `config_scheme` (*mkdocs\_rss\_plugin.plugin.GitRssPlugin attribute*), 4
  - `created` (*mkdocs\_rss\_plugin.customtypes.PageInformation attribute*), 4
- D**
- `description` (*mkdocs\_rss\_plugin.customtypes.PageInformation attribute*), 4
- F**
- `filter_pages` (*mkdocs\_rss\_plugin.util.Util static method*), 5
- G**
- `get_authors_from_meta` (*mkdocs\_rss\_plugin.util.Util method*), 5
  - `get_date_from_meta` (*mkdocs\_rss\_plugin.util.Util method*), 5
  - `get_description_or_abstract` (*mkdocs\_rss\_plugin.util.Util method*), 6
  - `get_file_dates` (*mkdocs\_rss\_plugin.util.Util method*), 6
  - `get_image` (*mkdocs\_rss\_plugin.util.Util method*), 6
  - `get_local_image_length` (*mkdocs\_rss\_plugin.util.Util method*), 6
  - `get_remote_image_length` (*mkdocs\_rss\_plugin.util.Util method*), 6
  - `get_site_url` (*mkdocs\_rss\_plugin.util.Util static method*), 7
  - `GitRssPlugin` (class in *mkdocs\_rss\_plugin.plugin*), 4
  - `guess_locale` (*mkdocs\_rss\_plugin.util.Util static method*), 7
- I**
- `image` (*mkdocs\_rss\_plugin.customtypes.PageInformation attribute*), 4
  - `is_shallow_clone` (*mkdocs\_rss\_plugin.git\_manager.ci.CiHandler method*), 3
- M**
- `mkdocs_rss_plugin` module, 3
  - `mkdocs_rss_plugin.customtypes` module, 4
  - `mkdocs_rss_plugin.git_manager` module, 3
  - `mkdocs_rss_plugin.git_manager.ci` module, 3
  - `mkdocs_rss_plugin.plugin` module, 4
  - `mkdocs_rss_plugin.util` module, 5
  - module
    - `mkdocs_rss_plugin`, 3
    - `mkdocs_rss_plugin.customtypes`, 4
    - `mkdocs_rss_plugin.git_manager`, 3
    - `mkdocs_rss_plugin.git_manager.ci`, 3
    - `mkdocs_rss_plugin.plugin`, 4
    - `mkdocs_rss_plugin.util`, 5
- O**
- `on_config` (*mkdocs\_rss\_plugin.plugin.GitRssPlugin method*), 4
  - `on_page_markdown` (*mkdocs\_rss\_plugin.plugin.GitRssPlugin method*), 4

`on_post_build()` (*mkdocs\_rss\_plugin.plugin.GitRssPlugin* method), 5

### P

`PageInformation` (class in *mkdocs\_rss\_plugin.customtypes*), 4

### R

`raise_ci_warnings()` (*mkdocs\_rss\_plugin.git\_manager.ci.CiHandler* method), 3

### T

`title` (*mkdocs\_rss\_plugin.customtypes.PageInformation* attribute), 4

### U

`updated` (*mkdocs\_rss\_plugin.customtypes.PageInformation* attribute), 4

`url_full` (*mkdocs\_rss\_plugin.customtypes.PageInformation* attribute), 4

`Util` (class in *mkdocs\_rss\_plugin.util*), 5