Options for MkDocs PDF Generate Plugin

Options

Revision 0.1.3

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Table of Contents

1. (Global Options	4
	1.1. for Cover	4
	1.1.1. cover	4
	1.1.2. cover_title	4
2.	1.1.3. cover_subtitle	5
	1.1.4. author	5
	1.1.5. author_logo	5
	1.1.6. copyright	5
	1.1.7. disclaimer	5
	1.1.8. cover_images	5
	1.2. for Heading and TOC	6
	1.2.1. toc	6
	1.2.2. toc_title	6
	1.2.3. toc_level	6
	1.2.4.toc_numbering	6
	1.3 and more	7
	1.3.1. custom_template_path	7
	1.3.2.enabled_if_env	7
	1.3.3. verbose	7
	1.3.4. debug (for development purposes only)	8
	1.3.5. media_type	8
	1.3.6. theme_handler_path	8
2.	Local Options	9
	2.1. build	9
2	2.2. title	9
	2.3. subtitle	9
	2.4. type	10
	2.5. filename	10
	2.6. revision	10



The plugin allows users to pass in both global and local options.



Note

Local options have higher precedence than global options.



1. Global Options

Some of these global options are used as default options when local options are not set. The global options are passed to the plugin through <code>mkdocs.yml</code>:

```
plugins:
    - pdf-generate:
       author: "Randy Duodu"
        author_logo: img/logo.svg
        copyright: "Copyright © 2022 - MkDocs PDF Generate"
        disclaimer: "Disclaimer: Content can change at anytime and best to refer to website
for latest information."
        cover: true
        cover title: TITLE TEXT
        cover_subtitle: SUBTITLE TEXT
        custom_template_path: TEMPLATES PATH
        toc: false
        toc_level: 3
        toc_title: TOC TITLE TEXT
        toc_numbering: true
        cover_images:
         default: img/default.svg
         type1: img/type1.png
          type2: https://example.com/cover.svg
        enabled_if_env: ENABLE_PDF_EXPORT
```

1.1. for Cover

1.1.1. cover

Set the value to false if you don't need a cover page.

default: true

1.1.2. cover_title

Set the title text in cover page.



Note

The following rule is applied when setting the value for cover title text in cover page.

Cover Title precedence:

- 1. title (local pdf metadata option)
- 2. H1 heading for page
- 3. cover title (global)
- 4. site_name variable in your project's mkdocs.yml

default: use site_name in your project's mkdocs.yml

MkDocs PDF

1.1.3. cover_subtitle

Set the subtitle text in cover page.



Note

The following rule is applied when setting the value for cover subtitle text in cover page.

Cover Subtitle precedence:

- 1. subtitle (local pdf metadata option)
- 2. type (local pdf metadata option)
- 3. cover subtitle (global)

default: None

1.1.4. author

Set the author text.

default: use site_author in your project's mkdocs.yml

1.1.5. author_logo

Provide a logo image which you can use in the cover page.



Tip

Using an SVG image as the value for author logo is recommended.

default: use theme.logo in your project's mkdocs.yml

1.1.6. copyright

Set the copyright text.

default: use copyright in your project's mkdocs.yml

1.1.7. disclaimer

Set the disclaimer text.

default: None

1.1.8. cover_images

Set the cover image for specific document types.

The option takes a key-value pair where the key must be the same value as you specified for the type local pdf metadata option.



The value for a key must be the path to the image.

Example:

```
- pdf-generate:
    cover_images:
    default: img/home-banner.svg
    home: img/manual-banner.svg
    options: img/project-banner.svg
    customize: img/tutorial-banner.svg
```



Apart from the default key-value pair under cover_images, the other key-value pairs can have user-defined values.

Recommended: You must specify an image path for the default key-value pair. We will use the image as the cover image for any document that does not specify the type local pdf metadata option.

default: None

1.2. for Heading and TOC

1.2.1. toc

Set the value to false if you don't need a table of content section in the PDF document.

default: true

1.2.2. toc_title

Set the title text for Table of Contents.

default: Table of Contents

1.2.3. toc_level

Set the level of Table of Contents. This value is enabled in the range of from 1 to 6.

default: 4

1.2.4. toc_numbering

Set the value to false if you don't want your table of contents to be numbered in the PDF document.

default: true





1.3.1. custom_template_path

A relative path inside your projects' directory. This folder is where you put both the custom cover template and custom plugin CSS file (cover.html and custom.css).



Info

The custom template's filename should be cover with any of these file extensions .html.j2, .html.jinja2, .html, or .htm .Example: cover.html.j2, cover.html.jinja2, cover.html, cover.htm

You can refer to this example about how to use a custom cover template and custom CSS.

default: use default plugin template

1.3.2. enabled_if_env

Setting this option will generate PDF files only if there is an environment variable set to 1. The environment variable must match the value of <code>enabled_if_env</code>.

This is useful to disable building the PDF files during development, since it can take a long time to export all files.

default: None

PDF generation can take significantly longer than HTML generation which can slow down MkDocs built-in dev-server.

Adding enabled_if_env: ENABLE_PDF_EXPORT disables PDF generation during development and runs the dev-server normally:

```
$ mkdocs serve
INFO - Building documentation...
INFO - PDF export is disabled (set environment variable ENABLE_PDF_EXPORT to 1 to enable)
INFO - Cleaning site directory
INFO - Documentation built in 0.54 seconds
INFO - [08:51:24] Watching paths for changes: 'docs', 'mkdocs.yml'
INFO - [08:51:24] Serving on http://127.0.0.1:8000/
```

and to build PDF files, set the ENABLE_PDF_EXPORT=1 environment variable:

```
$ ENABLE_PDF_EXPORT=1 mkdocs build
...
INFO - Converting 2 files to PDF took 1.82s
INFO - Documentation built in 2.29 seconds
```

1.3.3. verbose

Setting this to true will show all WeasyPrint debug messages during the build.

default: false



1.3.4. debug (for development purposes only)

Setting this to true enables the debug mode which saves the HTML content used in generating the PDF files into a folder called <code>pdf_html_debug</code> . The <code>pdf_html_debug</code> folder is relative to the documentation source directory.

This option is intended to help users in writing appropriate CSS styles for the HTML content used to generate the PDF documents.

default: false



Note

- The debug option only works with the mkdocs build command.
- It is recommended to add the pdf_html_debug folder to your ignored files when using a version control system.

1.3.5. media_type

Allows you to use a different CSS media type (or a custom one like pdf-generate) for the PDF export.

default: print

1.3.6. theme_handler_path

Allows you to specify a custom theme handler module. This path must be **relative to your project root** (See example below).

default: None

mkdocs.yml:

```
plugins:
    - pdf-generate:
    theme_handler_path: theme-handler
```

```
project-root

— theme-handler.py

— docs

— mkdocs.yml

— site

.
```



2. Local Options

The plugin allows you to set document specific options using the Markdown page metadata. If a page metadata is specified, it has higher precedence than the global options.

The local options are specified in the specific Markdown document you want to use:

```
pdf:
    - build: false
    - filename: Plugin Options
    - title: Options for MkDocs PDF Generate Plugin
    - type: Manual
    - revision: 0.2
```

The following options are available:

- build
- title
- subtitle
- type
- filename
- revision

2.1. build

Allows you to specify whether to generate a PDF file for a Markdown file. Value is true or false.



Note

The function of the build option is different from that of the enabled_if_env. The build option disables PDF generation for a single Markdown file while enabled_if_env disables PDF generation for the entire project.

default: true

2.2. title

Set the title text in cover page.

2.3. subtitle

Set the subtitle text in cover page.

MkDoc PDF

2.4. type

Set the document type.

NB: We use the value for this option in selecting the document's cover image from the cover_images option.

2.5. filename

Set the filename to use for a specific page when downloading the PDF document.



Note

Filename precedence:

- 1. filename (local pdf metadata) formatted such that all are valid characters
- 2. title (local pdf metadata) formatted such that all are valid characters
- 3. title (local metadata) formatted such that all are valid characters
- 4. H1 formatted such that all are valid characters

2.6. revision

Set the revision text in cover page.