Options for MkDocs PDF Generate Plugin

Options

Revision 0.2

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Options

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

> **Note**
>
> Local options has a 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 `mkdocs.yml`:

```
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`

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
```

> **Note**
>
> 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 ... and more

1.3.1 `custom_template_path`

A relative path inside your projects' directory. The folder should contain the custom cover template (e.g. `cover.html`) is located.

> **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.

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 `enabled_if_env`.

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 `media_type`

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

1.3.5 `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.

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. H1 - formatted such that all are valid characters

2.6 `revision`

Set the revision text in cover page.