mkdocs-print-site-plugin Docs

MkDocs Plugin allowing your site visitors to *File > Print > Save as PDF* the entire site.

Authors: Tim Vink

Website: https://timvink.github.io/mkdocs-print-site-plugin/ Repo: https://github.com/timvink/mkdocs-print-site-plugin/ Copyright © 2020 Maintained by Tim Vink.

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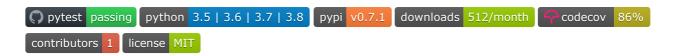
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1 mkdocs-print-site-plugin

MkDocs plugin that adds a page to your site combining all pages, allowing your site visitors to *File > Print > Save* as *PDF* the entire site.

1.1 Installation

Install the plugin using pip3:

```
pip3 install mkdocs-print-site-plugin
```

Next, add the following lines to your mkdocs.yml:

plugins:

- search
- print-site

⚠ Make sure to put print-site to the **bottom** of the plugin list. This is because other plugins might alter your site (like the navigation), and you want these changes included in the print page.

If you have no plugins entry in your config file yet, you'll likely also want to add the search plugin. MkDocs enables it by default if there is no plugins entry set.

2 Options

You can customize the plugin by setting options in <code>mkdocs.yml</code>. This site uses the following settings:

```
plugins:
    - print-site:
        add_to_navigation: true
        print_page_title: 'Print Site'
        add_table_of_contents: true
        add_full_urls: false
        enumerate_headings: true
        enumerate_figures: true
        add_cover_page: true
        cover_page_template: ""
```

add_to_navigation

Default is true. Adds a link 'Print Site' to your site navigation.

```
print_page_title
```

Default is 'Print Site'. When add_to_navigation is set to true this setting controls the name of the print page in the navigation of the site. This setting is ignored when add_to_navigation is set to false.

```
add_table_of_contents
```

Default is true. Adds a table of contents section at the beginning of the print page.

```
add_full_urls
```

Default is false. When printing a page, you cannot see the target of a link. This option adds the target url in parenthesis behind a link.

For example "google.com" will be replaced by "google.com (https://www.google.com)"

```
enumerate_headings
```

Default false. This will add numbering (enumeration) to all headings as well as the table of contents.

Example "1.2 A chapter subsection".

```
enumerate_figures
```

Default false. This will add numbering to all figure captions (for example "Figure 1: "). Works especially well with mkdocs-img2fig-plugin.

```
add_cover_page
```

Default false. When enabled, a cover page is added to the print page, displaying the site_title and other information from the mkdocs.yml file. See also Customizing the cover page

cover_page_template

Default "". The path to a custom cover page template to use. See Customizing the cover page for more info.

3 Adding a print button

You might want to customize your site to include a 'print' button on every page (like the one in the right corner of this page $\frac{1}{2}$)

MkDocs supports theme extension, an easy way to override parts of a theme. You can use page.url_to_print_page to get the link to the site print page.

3.1 Adding a print button to mkdocs-material theme

In mkdocs-material theme (see customization), you can create a file for overrides and point to it your mkdocs.yml. You might also want to disable adding the print page to the navigation when you already have a button with the link.

Example:

mkdocs.yml docs/overrides/main.html

3.2 Adding a print button to mkdocs theme

You can also <u>customize</u> the base mkdocs theme, by creating a file for overrides and pointing to it your <u>mkdocs.yml</u>. You might also want to disable adding the print page to the navigation when you already have a button with the link.

Example:

mkdocs.yml docs/overrides/main.html

4 Adding a PDF button

You might want to make downloading a PDF even easier for your users. You could include a 'PDF' button on every page (like the one in the right corner of this page $\frac{1}{2}$)

MkDocs supports theme extension, an easy way to override parts of a theme. You can use page.url_to_pdf to get the link to site PDF from a page.



Info

While it might be easier for your users, using this option means you need to manually create the PDF everytime you make a change to your website.

If you use this option and you are using version control like git, you might want to also gitignore the PDF file.

4.1 Adding a PDF button to mkdocs-material theme

In mkdocs-material theme (see customization), you can create a file for overrides and point to it your mkdocs.yml. You might also want to disable adding the print page to the navigation when you already have a button with the link.

Example:

mkdocs.yml docs/overrides/main.html

4.2 Adding a print button to mkdocs theme

You can also <u>customize</u> the base mkdocs theme, by creating a file for overrides and pointing to it your <u>mkdocs.yml</u>. You might also want to disable adding the print page to the navigation when you already have a button with the link.

Example:

mkdocs.yml docs/overrides/main.html

5 Customize the cover page

When the add_cover_page option is set to true, mkdocs-print-site-plugin will generate a cover page when printing. This cover page is quite basic, and you might want to customize it.

You can do that by specifying a custom cover page template in the <code>mkdocs.yml</code> file. This is a standard <code>jinja2</code> template file where you can combine HTML and use the information specified in <code>mkdocs.yml</code> as <code>jinja2</code> variables (see <code>mkdocs.project.information</code>).

Example:

mkdocs.yml docs/assets/templates/custom_cover_page.tpl

As an example, have a look at the default cover_page.tpl.

5.1 Adding extra content

You might want to add some content to your cover page that's not yet specified in your mkdocs.yml file. Of course you could just hard-code it in your custom template file, but you could also make use of MkDocs's extra context feature, allowing you to use {{ config.extra.<your variable> }}

Example:

mkdocs.yml docs/assets/templates/custom_cover_page.tpl

5.2 Change the styling

You'll likely also need to change the styling to your liking. You can add your own CSS file using the extra_css option from MkDocs. mkdocs-print-site-plugin wraps the cover page in a <section> with id print-site-cover-page. You should use this in your CSS to ensure not affecting other pages.

Example:

mkdocs.yml docs/assets/css/my_cover_page.css

6 Demo Content

This content is here to demonstrate what it looks like while printing.

Go ahead and visit the print page and check it out!

6.1 Links to other pages

mkdocs-print-site-plugin will fix internal links when combining all the pages into one. Try navigating to other site pages using these internal links:

- Home
- Options
- Contributing

6.2 Links to other sections

When combining all pages into one, mkdocs-print-site-plugin will also ensure anchor links keep working (also to anchor links on other pages). Try them out:

- · Dummy section lower down this demo page
- The Manual Testing in the contributing guide

6.3 Markdown extensions

MkDocs has support for many markdown extensions (see mkdocs-material reference). Below is a quick showcase so you can see how they print.



Phasellus posuere in sem ut cursus

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This is a collapsible block, that is collapsed by default.

Example of a button

Primary button

With icon 🖪

```
import tensorflow as tf
```

The range() function is used to generate a sequence of numbers.

C C++

```
#include <stdio.h>

int main(void) {
  printf("Hello world!\n");
  return 0;
}
```

Another tabbed content

Unordered list Ordered list

- · Sed sagittis eleifend rutrum
- · Donec vitae suscipit est
- · Nulla tempor lobortis orci

Embedding content:

Example

Unordered List Ordered List

Example:

- * Sed sagittis eleifend rutrum * Donec vitae suscipit est * Nulla tempor lobortis orci
- Result:
 - · Sed sagittis eleifend rutrum
 - · Donec vitae suscipit est
 - Nulla tempor lobortis orci

Method	Description
GET	✓ Fetch resource
PUT	✓ Update resource
DELETE	× Delete resource

Lorem ipsum¹ dolor sit amet, consectetur adipiscing elit.²

- 8 .icons/material/account-circle.svg
- 😉 .icons/fontawesome/regular/laugh-wink.svg
- 💆 .icons/octicons/octoface-16.svg
- M Medium
- 🎔 Twitter
- **G** Facebook



6.3.1 Images

mkdocs-print-site-plugin supports enumerating figure captions (which can be added easily using the img2fig plugin):

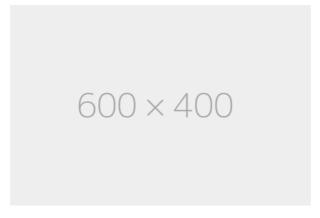


Figure 1: Image caption



Figure 2: Another image caption









6.3.2 Lists

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 - iii. Suspendisse ac eros arcu

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Vestibulum convallis sit amet nisi a tincidunt

- ✓ In hac habitasse platea dictumst
- In scelerisque nibh non dolor mollis congue sed et metus
- Praesent sed risus massa
- Aenean pretium efficitur erat, donec pharetra, ligula non scelerisque

$$\ker f = \{ g \in G : f(g) = e_H \}.$$

The homomorphism f is injective if and only if its kernel is only the singleton set e_G , because otherwise $\exists a,b\in G$ with $a\neq b$ such that f(a)=f(b)00.

6.4 Dummy section

This section has an incoming anchor link, at the top of this page

6.5 Some lorem ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut eget mi lacinia arcu ultrices rutrum eget a lacus. Etiam erat mi, sodales at nisl vel, bibendum tempor nunc. Cras in ultrices augue. Cras aliquam in mauris et semper. In hac habitasse platea dictumst. Proin dignissim scelerisque risus, consectetur ornare justo ultrices eu. Quisque tempus, elit eu ullamcorper interdum, metus augue pulvinar lectus, nec dictum mi dolor non turpis. Sed condimentum vulputate pretium.

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7 Contribution Guidelines

Thanks for considering to contribute to this project! Some guidelines:

- Go through the issue list and if needed create a relevant issue to discuss the change design. On disagreements, maintainer(s) will have the final word.
- You can expect a response from a maintainer within 7 days. If you haven't heard anything by then, feel free to ping the thread.
- This package tries to be as simple as possible for the user (hide any complexity from the user). Options are only added when there is clear value to the majority of users.
- When issues or pull requests are not going to be resolved or merged, they should be closed as soon as possible. This is kinder than deciding this after a long period. Our issue tracker should reflect work to be done.

7.1 Unit Tests

Make sure to install an editable version before running tests:

```
pip install -r tests/test_requirements.txt
pip install -e .
pytest --cov=mkdocs_print_site_plugin --cov-report term-missing tests/
```

If it makes sense, writing tests for your PRs is always appreciated and will help get them merged.

In addition, this project uses pyflakes for static code checking:

```
pip install pyflakes
pyflakes tests/ mkdocs_print_site_plugin/
```

7.2 Manual testing

To quickly serve a website with your latest changes to the plugin use the sites in our tests suite. For example:

```
pip install -r tests/test_requirements.txt
pip install -e .
mkdocs serve -f tests/fixutures/basic/mkdocs.yml
```

Tip: If you use google chrome, you can also view the print version of a page inside the browser by setting the renderer.

7.3 Code Style

Make sure your code *roughly* follows PEP-8 and keeps things consistent with the rest of the code. I recommended using black to automatically format your code.

We use google-style docstrings.

7.4 Documentation

Is in docs/. To deploy the docs, run:

mkdocs gh-deploy