

# MkDocs

This was made with the purpose of checking out how MkDocs works and how to create new pages, style and theme it, etc.

If your index is long enough to be more than one page in the PDF, the plugin will add a blank page at the start, it is an open issue.

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# Installation

## Installation

- With a package manager, just search for "MkDocs"
- Manual installation, for this you need to have Python and pip installed. After having these, just run this two commands to install it and verify it was installed correctly.

```
pip install mkdocs  
mkdocs --version
```

For more info and troubleshooting, refer to the main [site](#)

## Create a new project

To create a new MkDocs project inside your code repository, all you have to do is follow the next commands

```
mkdocs new my-project
```

Where **my-project** is either your project's folder or, if you are starting with documentation and there is no repository yet, a new folder name that will contain everything.

The command above will create for us our config file `mkdocs.yml` and a docs folder where we will specify our source files for all documentation.

## Structure

The structure and contents you want to apply will always depend on what your project's code contains, but here are some good standards to follow (in case it applies)

```
docs/  
  index.md  
  about.md  
  setup.md (Steps to run the project)  
  configuration-options.md  
  license.md  
  img/
```

You can add any other important feature or component regarding your specific project.

## Serve project

The following command will be used to preview our documentation locally.

```
mkdocs serve
```

You will be able to preview it at **127.0.0.1:8000** or where the terminal indicates.

# About

## Adding more pages

It's really simple to add more pages to your documentation, you just have to create your new markdown file, add your contents to it, and inside the config file (mkdocs.yml) add the new .md to your nav.

## Deploying

MkDocs has a very useful command you can use if you are using github, and want to deploy to github pages, just using

```
mkdocs gh-deploy
```

## References

- [official documentation](#)



# Multilevel

## Multilevel structure

Currently, MkDocs allows you to have up to a second level of navigation.

### Configure Pages and Navigation

The `nav` configuration setting in your `mkdocs.yml` file defines which pages are included in the global site navigation menu as well as the structure of that menu. If not provided, the navigation will be automatically created by discovering all the Markdown files in the documentation directory. An automatically created navigation configuration will always be sorted alphanumerically by file name (except that index files will always be listed first within a sub-section). You will need to manually define your navigation configuration if you would like your navigation menu sorted differently.

A minimal navigation configuration could look like this:

```
nav:
  - 'index.md'
  - 'about.md'
```

All paths in the navigation configuration must be relative to the `docs_dir` configuration option. If that option is set to the default value, `docs`, the source files for the above configuration would be located at `docs/index.md` and `docs/about.md`.

The above example will result in two navigation items being created at the top level and with their titles inferred from the contents of the Markdown file or, if no title is defined within the file, of the file name. To override the title in the `nav` setting add a title right before the filename.

```
nav:
  - Home: 'index.md'
  - About: 'about.md'
```

Note that if a title is defined for a page in the navigation, that title will be used throughout the site for that page and will override any title defined within the page itself.

Navigation sub-sections can be created by listing related pages together under a section title. For example:

```
nav:
  - Home: 'index.md'
  - 'User Guide':
    - 'Writing your docs': 'writing-your-docs.md'
```

```
- 'Styling your docs': 'styling-your-docs.md'
- About:
  - 'License': 'license.md'
  - 'Release Notes': 'release-notes.md'
```

References: <https://github.com/mkdocs/mkdocs/blob/master/docs/user-guide/writing-your-docs.md>



# Commands

## Commands

Main commands you will use.

- `mkdocs new [dir-name]` - Create a new project.
- `mkdocs serve` - Start the live-reloading docs server.
- `mkdocs build` - Build the documentation site.
- `mkdocs -h` - Print help message and exit.

## Project layout

```
mkdocs.yml    # The configuration file.
docs/
  index.md    # The documentation homepage.
  ...         # Other markdown pages, images and other files.
```

# Using a third party theme

Small description on how I changed this documentation's theme to the mkdocs-material theme.

## Material

So I chose an external theme, and first thing I had to do, was to install it through pip

```
pip install mkdocs-material
```

There are other alternatives to download this theme, for instance, through git, for more info, check [here](#).

After that, just change the theme specified on the config file (mkdocs.yml)

```
theme:  
  name: material
```

## Reference

For more reference on this specific theme, check out its github: <https://github.com/squidfunk/mkdocs-material>

## More themes

For more external themes, check [here](#).

To check out the built-in themes, just check out the official documentation of MkDocs, [here](#).

# Github pages

## Deploy to Github pages

Simply run the following command to deploy your documentation's site to Github pages

```
mkdocs gh-deploy
```

You should never edit files in your pages repository by hand if you're using the `gh-deploy` command because you will lose your work the next time you run the command.

Reference: <https://github.com/mkdocs/mkdocs/blob/master/docs/user-guide/deploying-your-docs.md>

# Export to PDF

## Export to PDF File

You need to download the plugin `mkdocs-pdf-export-plugin` through pip.

Also, download the required dependencies specified in the Github, for `WeasyPrint`.

Github repo: <https://github.com/zhaoterryy/mkdocs-pdf-export-plugin>

WeasyPrint installation: <https://weasyprint.readthedocs.io/en/latest/install.html#>

## Example

You can see the functionality of this plugin inside the site, where there is a button to download the PDF for all the documentation, which is also located inside the `docs/` folder as `all-documentation.pdf`.

MkDocs



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# License

## MIT License

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# Release Notes

## Upgrade Steps

- ~~Sp~~

## Breaking Changes

- ~~Add in~~  
~~utils~~
- ~~Test with~~  
~~use~~

## New Features

- ~~Don~~
- ~~Ap~~

## Bug Fixes

- ~~Un~~

## Improvements

- ~~Un~~
- ~~Se~~

## Other Changes

- ~~Ag~~