mm-docs demo

MM-DOCS

Full documentation

📖 **Publication Date** : 2025-06-03

This box will disappear when printing   mkdocs-print-site-plugin

Content

MM-DOCS

This project is used to produce all forms of documentation for the service using Markdown and other repository friendly markup languages.

The documentation is created using the mm-docs docker bundle:

- https://github.com/majkinetor/mm-docs

Features

- Write documentation in extended Markdown, HTML, PlantUML and other markup languages
- Beautiful responsive design using material theme
- Navigational bar, TOC, search, internationalization, and various rich presentation functionalities
- Rich diagrams and interface mockups using PlantUML
- Macros can be written in python
- PDF export for each page or full site

- Single page with entire documentation

- Live reload during editing

- GitLab/GitHub repository connection for editing within a browser

- Automated AppVeyor build and deploy to GitHub pages using Ubuntu image

- Cross platform for hosting and development

Prerequisites

- Docker

- PowerShell (optional, developer friendliness)

    - Invoke-Build module

Quick start

To edit documentation:

- Clone/use new project template

- Add new documents somewhere in the `source\docs` hierarchy.

- Add document path to TOC (file: `source\mkdocs.yml` ; yaml key: `nav`) to make page visible in the navigation section, otherwise, the page is available via direct link.

Start development server - run in PowerShell `Invoke-Build Run` . The command is syntax sugar for running docker containers. To build static site run `Invoke-Build Build` .

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demo   mm-docs system   test

Demonstration page

mm-docs demonstration page.

For more details about included tools see:

- Mkdocs

- Mkdocs Material Extensions

- PlantUML

- MathJax

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- Jinja

Customization

- Color palettes
- Language
- Extending theme

Text

Unicode: Мислим дакле постојим

Basic effects

Output	Code
Bold text	`**Bold text**` or `__Bold text__`
Italic text	`*Italic text*` or `_Italic text_`
~~Strike Through~~	`~~Strike Through~~`
Colored text	`==Colored text==`
`Inline code`	`` `Inline code` ``

Subscript and supscript:

```
- H~2~0
- A^T^A
```

- H_2O
- A^TA

Buttons

Adding button

```
[Subscribe to our newsletter](#){ .md-button }
```

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> **Subscribe to our newsletter** ✈

Local files and images

```
![omg-lolcat](files/omg-lolcat.jpg)
```
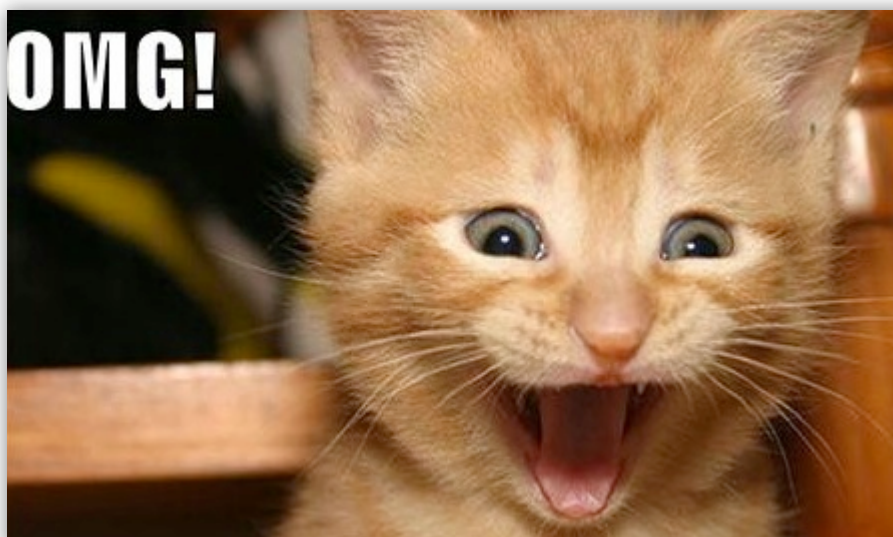

To align image and add some text next to it you must put in div with class `result` :

Aligned image

```
<div class="result" markdown>
![omg-lolcat](files/omg-lolcat.jpg){ align=left }
</div>
```


Some OMG cat is displayed here.

Some more text here...

Hotkeys

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Output	Code
Enter ⏎	++enter++
PgDown	++"PgDown"++
Non Existent Key	++"Non Existent Key"++

Links, footnotes and comments

Links

Output	Code
An inline-style link	[An inline-style link](https://www.google.com)
An inline-style link with title	[An inline-style link with title](https://www.google.com "Google's Homepage")
Reference-style link	[Reference-style link][arbitrary reference text] [arbitrary reference text]: https://www.mozilla.org
Relative reference to a repository file	[Relative reference to a repository file](../about/overview)
Numbers for reference-style link definitions	[Numbers for reference-style link definitions][1] [1]: http://slashdot.org
Use the link text itself	Use the [link text itself] [link text itself]: http://www.reddit.com

Magic links and emails: turned to links as recognized

Output	Code
http://www.google.com	http://www.google.com
majkinetor@gmail.com	majkinetor@gmail.com

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Output	Code
www.google.com	`www.google.com`

Footnotes

```
A text with a short footnote[^short]
[^short]: https://en.wikipedia.org/wiki/Note_(typography)
```

A text with a short footnote[1]

```
A text with a long footnote[^long]
[^long]:
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod
    massa, nec semper lorem quam in massa.

    ```
    code
```

A text with a long footnote[2]

Comments

```
The text contains 2 comments bellow this line which should not be visible.
[comment]: # (Developed using Visual Studio Code with plantuml extension: cinst
visualstudiocode; code --install-extension jebbs.plantuml)
[comment]: # (PlantUML version may influence diagrams. This document is developped with
1.2017.15: cinst plantuml --version 1.2017.15)
```

The text contains 2 comments bellow this line which should not be visible.

Citations

> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod nulla. Curabitur feugiat, tortor non consequat finibus, justo purus auctor massa, nec semper lorem quam in massa. Inline:
>
>> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod nulla. Curabitur feugiat, tortor non consequat finibus, justo purus auctor massa, nec semper lorem quam in massa.
>>
>>   code in citations
>>
>> Another citation line

HTML

HTML is allowed without restrictions. Custom styles are added in `docs\_css\extra.css` file.

```
<div style='background-color: #fdd; padding:1em; text-align: center '>
    <font size="20">
        <span class="yellow bred pl1 pr1">cookies</span>
    </font>
</div>
```

<div style='background-color: #fdd; padding:1em; text-align: center'>
cookies
</div>

Critic and comments

Here is some ~~incorrect~~ Markdown. I am adding this here. Here is some more ~~text that I am removing~~text. And here is even more text that I am adding. Paragraph was deleted and replaced with some spaces.

Spaces were removed and a paragraph was added.

And here is a comment on some text/* This works quite well. I just wanted to comment on it. */. Substitutions ~~is~~are great!

General block handling:

- ~~test remove~~
- ~~test remove~~

- test add
- test add

Emoji and icons

Use more than 7.000 icons and thousands of emojis in your project documentation with zero effort. Custom icons can be added and used in `mkdocs.yml`, documents and templates.

- More info
- List of emoji codes

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Examples:

- `:tada:` 🎉
- `:jack_o_lantern:` 🎃
- `:alien:` 👽
- `:robot_face:` 🤖
- `:smile:` 😄
- `:heart:` ❤️
- `:thumbsup:` 👍

💜❗🕐🚜🥂👿

- 👤 – `:material-account-circle:` (icon in `.icons/material/account-circle.svg`)
- 😊 – `:fontawesome-regular-face-laugh:` (icon in `.icons/fontawesome/regular/face-laugh.svg`)
- 🗎 In a link

Lists

Ordered list

1. List item 1
2. List item 2
   a. List item 2.1
   b. List item 2.2
      i. List item 2.2.1
      ii. List item 2.2.2
   c. List item 2.3
3. List item 4

Unordered, mixed

- List item 1
- List item 2
  - List item 2.1
  - List item 2.2
    a. List item 2.2.1
    b. List item 2.2.2

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- List item 2.3
- List item 4

Tables

Col1	Col2
row1.1	row1.2
row2.1	row2.2-1 row2.2-2

Plantuml

Add `plantuml` in a block code header to set code section as PlantUml source. Use `format` to specify output type:

```
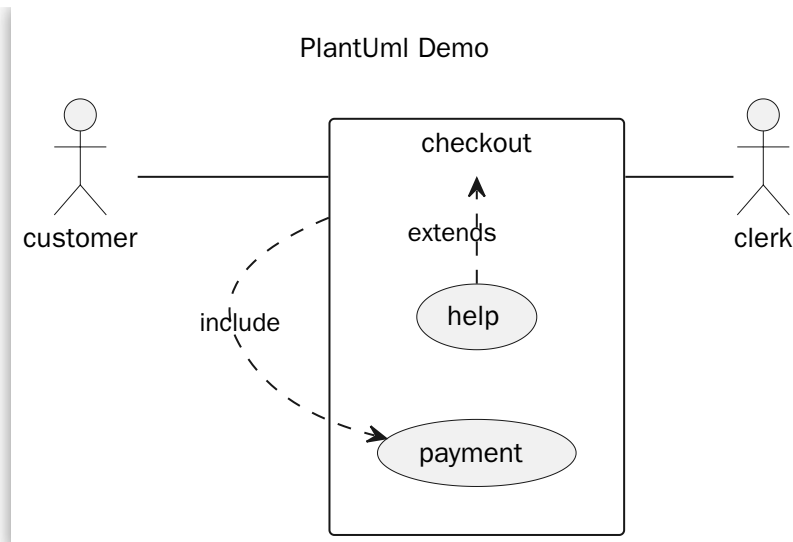```plantuml format="svg"
title PlantUml Demo
left to right direction
skinparam packageStyle rectangle
actor customer
actor clerk
rectangle checkout {
  customer -- (checkout)
  (checkout) .> (payment) : include
  (help) .> (checkout) : extends
  (checkout) -- clerk
}
```
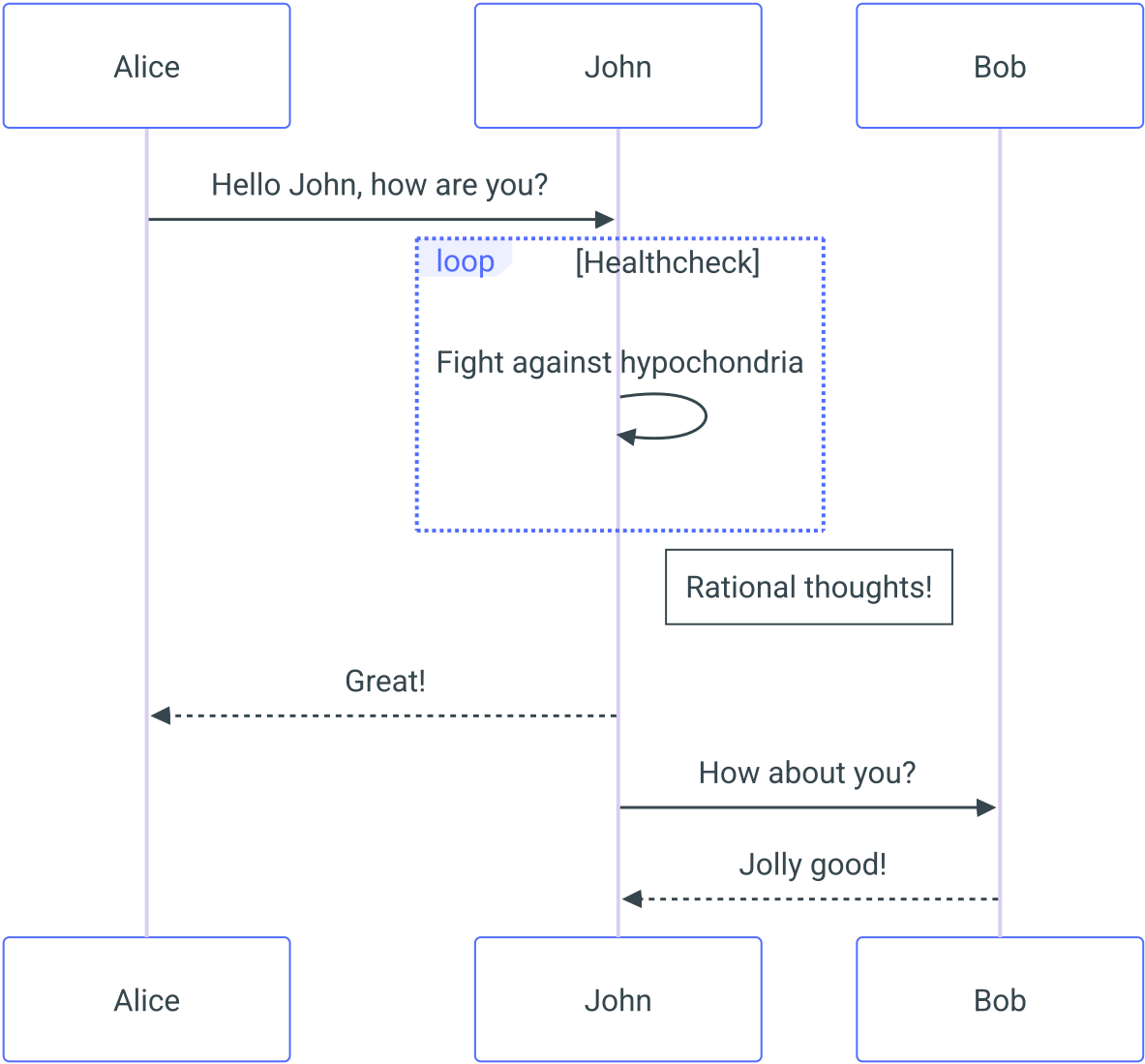```

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Mermaid

```mermaid
sequenceDiagram
    Alice->>John: Hello John, how are you?
    loop Healthcheck
        John->>John: Fight against hypochondria
    end
    Note right of John: Rational thoughts!
    John-->>Alice: Great!
    John->>Bob: How about you?
    Bob-->>John: Jolly good!
```

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MathJax

The block code:

```
$$
\frac{n!}{k!(n-k)!} = \binom{n}{k}
$$
```

$$
\frac{n!}{k!(n-k)!} = \binom{n}{k}
$$

```
Inline math expressions: $p(x|y) = \frac{p(y|x)p(x)}{p(y)}$
```

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Inline math expressions: $p(x|y) = \frac{p(y|x)p(x)}{p(y)}$

NOTE:

- This doesn't render corretly in PDF output, see this issue for explanation.

Admonition

More info

> ✏️ **Note**
>
> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod nulla. Curabitur feugiat, tortor non consequat finibus, justo purus auctor massa, nec semper lorem quam in massa.

> ❓ **Collapsed closed** ⌄
>
> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod nulla. Curabitur feugiat, tortor non consequat finibus, justo purus auctor massa, nec semper lorem quam in massa.

> ❓ **Collapsed open** ⌄
>
> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod nulla. Curabitur feugiat, tortor non consequat finibus, justo purus auctor massa, nec semper lorem quam in massa.

> ⚡ **Extreme danger**
>
> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod nulla. Curabitur feugiat, tortor non consequat finibus, justo purus auctor massa, nec semper lorem quam in massa.
>
> ```
> some code
> ```
>
> > Some citation

Code Highlight

More info

```
import tensorflow as tf
```

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With tabs:

Bash

```bash
#!/bin/bash

echo "Hello world!"
```

PowerShell

```powershell
Write-Host "Hello world!"
```

PlantUML

C
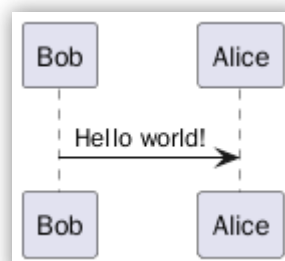
```c
#include <stdio.h>

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

C++

```cpp
#include <iostream>

int main() {
  std::cout << "Hello world!" << std::endl;
  return 0;
}
```

C#

```csharp
using System;

class Program {
  static void Main(string[] args) {
    Console.WriteLine("Hello world!");
  }
}
```

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Abbreviations

The following are defined in single file, `_inc\abbr.md` and included on each page.

- IT, XML, JSON

Smart symbols

- `(tm)` ™
- `(c)` ©
- `c/o` ‰
- `+/-` ±
- `-->` →
- `<--` ←
- `<-->` ↔
- `=/=` ≠
- `1/4` ¼
- `1st` 1st

Task list

- ✅ Lorem ipsum dolor sit amet, consectetur adipiscing elit
- ✅ Curabitur elit nibh, euismod et ullamcorper at, iaculis feugiat est
- ◯ Vestibulum convallis sit amet nisi a tincidunt
    - ✅ In hac habitasse platea dictumst
    - ◯ Praesent sed risus massa
- ◯ Nulla vel eros venenatis, imperdiet enim id, faucibus nisi

Macros

More details.

Variable from config	`extra.version = 0.1`

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Variable from this page	`acme = Acme Company Ltd`
Macro (defined in `main.py`)	`bar(1) = 9.3 - barbaz(3) = 9`
Python variable (defined in `main.py`)	`baz = John Doe`
Dictionary variable from config	`company.name = Acme`

Jinja templates

You can do all the work you want with Jinja2, including defining pure macros, conditionals and for loops:

```
{% macro input(name, value='', type='text', size=20) -%}
  <input type="{{ type }}" name="{{ name }}" value="{{ value}}" size="{{ size }}">
{%- endmacro %}

{% input('username') }}
{% input('password', type='password') }}
```

Includes

You may use the include directive from jinja2, directly in your markdown code e.g.:

```
## Paragraph
{%include 'snippet.md' %}
{%include 'html/content1.html' %}
```

The root directory for your included files is in `docs_dir`.

You can also include parts of the file.

Environment variables

Environment variables can be used inside of configuration file `mkdocs.yaml`. More...

```
site_name: !ENV CI_PROJECT_PATH
```

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1. https://en.wikipedia.org/wiki/Note_(typography) ↵

2. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod massa, nec semper lorem quam in massa.

```
code
```

↵

Extra

Variables

Context

[(0, 'Page', "Page(title='Home', url='/index.html')"), (1, 'Page', "Page(title='Demonstration', url='/demo.html')"), (2, 'Section', "title = 'Extra', children = [Page(title='Variables', url='/vars.html'), Page(title='Revision', url='/revision.html')], _Section__active = False"), (3, 'Page', "Page(title='Download', url='/download.html')")]

Page

Variable	Type	Content
file	*File*	src_uri = 'vars.md', src_dir = '/docs/source/docs', dest_dir = '/tmp/mkdocs_ebj8nqoh', use_directory_urls = False, **inclusion** [*InclusionLevel*], name = 'vars', dest_uri = 'vars.html', **page** [*Page*], url = 'vars.html', abs_src_path = '/docs/source/docs/vars.md'
title	*str*	'Variables'
children	*NoneType*	None
previous_page	*Page*	Page(title='Demonstration', url='/demo.html')
next_page	*Page*	Page(title='Revision', url='/revision.html')
_Page__active	*bool*	False
update_date	*str*	'2025-06-03'
canonical_url	*str*	'http://0.0.0.0:8000/vars.html'
abs_url	*str*	'/vars.html'

　　　　　　　　　　　　　　　　　　　mm-docs demo

edit_url	*str*	'https://github.com/majkinetor/mm-docs-template/edit/master/source/docs/vars.md'
markdown	*str*	"# {{ page.title }}\n\n## Context\n\n{{ context(navigation) }}\n\n## Page\n\n{{ context(page) | pretty }}\n\n## Config\n\n{{ context(config) | pretty }}\n\nFrontmatter var - foo: {{ page.meta.foo }}\n\n{% include 'footer.md' %}"
_title_from_render	*NoneType*	None
content	*NoneType*	None
toc	*list*	[]
meta	*dict*	title = 'Variables', foo = 'bar'
parent	*Section*	title = 'Extra', children = [Page(title='Variables', url='/vars.html'), Page(title='Revision', url='/revision.html')], _Section__active = False

Config

Variable	Type	Content
config_file_path	*str*	'/docs/source/mkdocs.yml'
site_name	*str*	'MM-DOCS'
nav	*list*	[{'Home': 'index.md'}, {'Demonstration': 'demo.md'}, {'Extra': [{'Variables': 'vars.md'}, {'Revision': 'revision.md'}]}, {'Download': 'download.md'}]
pages	*NoneType*	None
exclude_docs	*NoneType*	None
draft_docs	*NoneType*	None
not_in_nav	*NoneType*	None
site_url	*str*	'http://0.0.0.0:8000/'
site_description	*str*	'MM-DOCS Template'
site_author	*str*	'majkinetor'
theme	*Theme*	Theme(name='material', dirs=['/docs/source/overrides', '/usr/lib/python3.12/site-packages/material/templates', '/usr/lib/python3.12/site-packages/mkdocs/templates'],

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		static_templates={'404.html', 'sitemap.xml'}, name='material', locale=Locale('en'), language='en', direction=None, features= ['navigation.expand', 'navigation.top', 'navigation.indexes', 'navigation.footer', 'content.action.edit', 'search.highlight', 'search.suggest'], font={'text': 'Roboto', 'code': 'Roboto Mono'}, icon=None, favicon='assets/images/favicon.png', palette= [{'scheme': 'default', 'toggle': {'icon': 'material/lightbulb-outline', 'name': 'Switch to dark mode'}}, {'scheme': 'slate', 'toggle': {'icon': 'material/lightbulb', 'name': 'Switch to light mode'}}])
docs_dir	*str*	'/docs/source/docs'
site_dir	*str*	'/tmp/mkdocs_ebj8nqoh'
copyright	*str*	'© majkinetor 2019'
google_analytics	*NoneType*	None
dev_addr	*_IpAddressValue*	_IpAddressValue(host='0.0.0.0', port=8000)
use_directory_urls	*bool*	False
repo_url	*str*	'https://github.com/majkinetor/mm-docs-template'
repo_name	*str*	'GitHub'
edit_uri_template	*NoneType*	None
edit_uri	*str*	'edit/master/source/docs/'
extra_css	*list*	['_extra/css/extra.css', '_extra/css/pdf.css']
extra_javascript	*list*	['_extra/js/mathjax.js', '_extra/js/tablesort.js', 'https://cdn.jsdelivr.net/npm/mathjax@3/es5/tex-mml-chtml.js', 'https://unpkg.com/tablesort@5.3.0/dist/tablesort.min.js']
extra_templates	*list*	[]
markdown_extensions	*list*	['toc', 'tables', 'fenced_code', 'abbr', 'admonition', 'attr_list', 'codehilite', 'def_list', 'footnotes', 'md_in_html', 'meta', 'sane_lists', 'pymdownx.arithmatex', 'pymdownx.betterem', 'pymdownx.caret', 'pymdownx.critic', 'pymdownx.details', 'pymdownx.emoji', 'pymdownx.inlinehilite', 'pymdownx.keys', 'pymdownx.magiclink', 'pymdownx.mark', 'pymdownx.superfences', 'pymdownx.smartsymbols', 'pymdownx.tabbed', 'pymdownx.tasklist', 'pymdownx.tilde', 'markdown_include.include', 'plantuml_markdown']

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mdx_configs	*dict*	**toc** [*dict*], **pymdownx.arithmatex** [*dict*], **pymdownx.betterem** [*dict*], **pymdownx.emoji** [*dict*], **pymdownx.superfences** [*dict*], **pymdownx.tabbed** [*dict*], **pymdownx.tasklist** [*dict*], **markdown_include.include** [*dict*]
strict	*bool*	False
remote_branch	*str*	'gh-pages'
remote_name	*str*	'origin'
extra	*LegacyConfig*	{'url_prefix': 'http://localhost:8000', 'version': 0.1, 'company': {'name': 'Acme'}, 'social': [{'icon': 'dummy value to show social override'}], 'polyfills': ['https://unpkg.com/iframe-worker/shim']}
plugins	*PluginCollection*	**material/offline** [*OfflinePlugin*], **exclude** [*Exclude*], **macros** [*MacrosPlugin*], **material/search** [*SearchPlugin*], **material/tags** [*TagsPlugin*], **pdf-export** [*PdfExportPlugin*], **print-site** [*PrintSitePlugin*]
hooks	*dict*	
watch	*list*	[]
validation	*Validation*	{'nav': {'omitted_files': 20, 'not_found': 30, 'absolute_links': 20}, 'links': {'not_found': 30, 'absolute_links': 20, 'unrecognized_links': 20, 'anchors': 20}}

Frontmatter var - foo: bar

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Revisions

Build Date: 2025-06-03 11:33:18

View revision.json

Date	Path
2025-06-03 11:32:26	download.md
2025-06-03 11:32:26	vars.md

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Date	Path
2025-06-03 11:32:26	demo.md
2025-06-03 11:32:26	about/overview.md
2025-06-03 11:32:26	tags.md
2025-06-03 11:32:26	index.md

Download

You can consume this documentation off-line via:

1. PDF that you can download
2. Standalone single HTML page that you can save
3. Entire site in ZIP archive that you can unpack and use locally starting from `index.html`

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