books

NAME

books - Books

DESCRIPTION

A book combines pages of your website into a single PDF document, with bookmarks, a table of contents and links between its pages. Books are listed in formats.pdf.books:

SECTIONS

01 Pages of a book
02 How books are printed
03 Cover pages
04 Bookmarks and links
05 Table of contents
06 Starting pages on the right
07 Accessibility
08 Several books

SEE ALSO

generating-pdf-documents, cover-pages, headers-and-footers, tables-of-contents, styles-and-scripts, buttons

Books

A book combines pages of your website into a single PDF document, with bookmarks, a table of contents and links between its pages. Books are listed in `formats.pdf.books`:

```yaml
plugins:
  - exporter:
      formats:
        pdf:
          books:
            - output: documentation.pdf
              covers: limits
              metadata:
                title: Documentation
                author: Jane Doe
```

In the following examples, `books` is under `formats.pdf`, as above.

Pages of a book

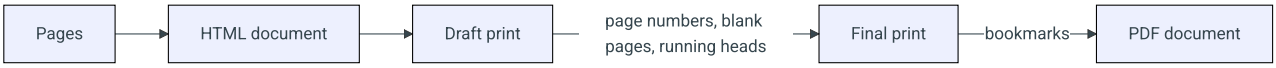
A book contains the pages of the navigation that have a PDF document, in the order of the navigation: pages outside of the navigation, and pages without a document (`exporter.pdf.enabled: false` in their front matter, or pages not opting in when `explicit` is enabled), aren't part of books. To leave a page out of a book while keeping its document, use `exclude`.

Pages are numbered across the whole book: `{page}` and `{pages}` in headers and footers, as well as `counter(page)` and `counter(pages)` in your own stylesheets, count the pages of the book. Each page of the website keeps its own `{page_title}` and `{section}`; the pages of the table of contents show its title.

The book's title, author and subject default to the website's (`site_name`, `site_author` and `site_description`); `metadata` changes them, and adds `keywords` (a list, or a comma-separated text).

How books are printed

The pages of a book are assembled into a single HTML document, printed once by the browser:



What the browser can't print by itself (the page numbers of the table of contents, blank pages and `{section}`) is computed from a draft print of the book's layout, then the book is printed again. Books are printed on every build: the cache only reuses the documents of pages.

Since every page is part of the same HTML document:

- each page of the website starts on a new page;

- identifiers are prefixed by page (e.g. `p2-installation`), so that footnotes, tabs and other references of different pages don't interfere: stylesheets and scripts targeting identifiers of the content (`#installation`) don't match them in books;
- stylesheets and scripts loaded by some pages only are loaded once for the whole book, and the scripts of `formats.pdf.scripts` run once;
- `@page :first` rules apply to the pages of front covers (in a page's own document, its first page is its front cover);
- styles teleported to the head by cover pages (`<style data-mkdocs-exporter-teleport="head">`) are included once when they are the same for every page; otherwise they only apply to their own page.

Cover pages

The `covers` option tells which cover pages are kept:

Value	Cover pages kept	For instance
`all` (*default*)	Every cover page	Pages printed one after another, each with its own covers
`none`	No cover page	Appendices, or books opening with their table of contents
`limits`	The front cover of the first page and the back cover of the last page	A book, whose cover is the home page's
`book`	The front cover of every page and the back cover of the last page	Chapters opening with a title page
`front`	Every front cover page	Chapters opening with a title page, without a back cover
`back`	Every back cover page	Pages each ending with a summary page

```yaml
books:
  - output: documentation.pdf
    covers: limits
```

A cover template can tell the home page apart, to give the book a cover of its own (see The Field Guide example):

```
<div class="title">{{ config.site_name if page.is_homepage else page.title }}</div>
```

Bookmarks and links

The book has bookmarks following the navigation: sections, pages and their headings (`h2`, `h3`). Their depth can be changed, or set to `0` to disable them:

```
books:
  - output: documentation.pdf
    outline: 2
```

Links between pages of the book point within the book, to the linked heading when there is one. Other links point to the website (`site_url` or `formats.pdf.url`), or are relative to the book when the website has no URL.

Table of contents

A table of contents can be inserted after the first front cover (see Tables of contents):

```
books:
  - output: documentation.pdf
    toc:
      enabled: true
```

Starting pages on the right

For printed books, each page of the website can start on a right-hand (odd) page, blank pages (without headers nor footers) being inserted when needed:

```
books:
  - output: documentation.pdf
    start: odd
```

Accessibility

Like the documents of pages, books are tagged: their structure is described, so that screen readers can read them, and their language is the website's (`<html lang>`). Tagging makes them about 50 % larger; it can be disabled:

```
books:
  - output: documentation.pdf
    tagged: false
```

Several books

`books` lists as many books as needed. Patterns select the pages they contain, matched against the path of pages' source files (`*` matches any text, including `/`):

```yaml
books:
  - output: pdf/user-guide.pdf
    include:
      - user-guide/*
  - output: pdf/reference.pdf
    include:
      - reference/*
    exclude:
      - reference/internal/*
```

Every option is available for each of them.

Examples

- A printed book: a cover, a table of contents, bookmarks and chapters starting on the right.
- One document per section: several books, selected with patterns.

COLOPHON

This document is a page of https://adrienbrignon.github.io/mkdocs-exporter/, printed by MkDocs Exporter 7.0.0 with Chromium.