Jekyll Static site generator

START HERE

`jekyll new <path>`
Create a site

`bundle install`
Install the gems

`bundle exec jekyll serve`
Preview locally

`jekyll serve --livereload`
Reload the browser

`jekyll serve --drafts`
Preview drafts

`jekyll build`
Build into _site

`jekyll clean`
Remove generated files

`jekyll doctor`
Find config problems

Source Markdown, layouts, _config.yml → `jekyll build` → **_site** static HTML → `deploy` → **Web server** any static host

CONCEPTS

Run Jekyll through bundle exec so the gem versions from your Gemfile are used.

Edits to _config.yml are only read at startup: restart jekyll serve after changing it.

Folders and files starting with _ or . are not copied to _site unless listed under include.

CREATE AND RUN

`jekyll new <path>`
Create a site with the default theme

`jekyll new <path> --blank`
Create a minimal scaffold

`jekyll new-theme <name>`
Create a theme gem scaffold

`jekyll build`
Build the site once

`jekyll b`
Alias for build

`jekyll serve`
Build, watch and serve locally

`jekyll s`
Alias for serve

`jekyll clean`
Delete _site and caches

`jekyll doctor`
Report deprecations and config issues

`jekyll help <command>`
Show help for a command

`jekyll --version`
Print the installed version

SERVE OPTIONS

`jekyll serve --livereload`
Reload the browser on changes

`jekyll serve -P <port>`
Listen on another port
Default is 4000.

`jekyll serve -H <host>`
Bind to another host
Use 0.0.0.0 to reach it from other devices.

`jekyll serve --open-url`
Open the site in a browser

`jekyll serve --detach`
Run in the background

`jekyll serve --skip-initial-build`
Serve without building first

SERVE OPTIONS (cont.)

`jekyll serve --no-watch`
Do not rebuild on changes

`jekyll serve --show-dir-listing`
List folders without an index

`jekyll serve --ssl-key <file> --ssl-cert <file>`
Serve over HTTPS

`jekyll serve --livereload-port <port>`
Set the LiveReload port

BUILD OPTIONS

`jekyll build --watch`
Rebuild when files change

`jekyll build -d <dir>`
Write output to another folder
The destination is cleaned on every build.

`jekyll build -s <dir>`
Read the site from another folder

`jekyll build --baseurl <path>`
Override the base URL path

`jekyll build --drafts`
Include posts from _drafts

`jekyll build --future`
Include posts dated in the future

`jekyll build --unpublished`
Include posts with published: false

`jekyll build --incremental`
Rebuild only changed files
Experimental; stale pages are possible.

`jekyll build --config <a.yml,b.yml>`
Use several config files
Later files override earlier ones.

`jekyll build --limit_posts <n>`
Build only the newest n posts

`jekyll build --profile`
Show time spent per file

`jekyll build --trace`
Show full error backtraces

`jekyll build --verbose`
Print debug output

`jekyll build --quiet`
Print nothing but errors

`jekyll build --force_polling`
Poll for changes (VMs, network drives)

`jekyll build --strict_front_matter`
Fail on invalid front matter

BUILD OPTIONS (cont.)

`jekyll build --layouts <dir>`
Use another layouts folder

`JEKYLL_ENV=production jekyll build`
Build for production
Many themes only add analytics when this is set.

SITE LAYOUT

`_config.yml`
Site settings

`_posts/YYYY-MM-DD-title.md`
A blog post

`_drafts/title.md`
An unpublished post, no date

`_layouts/<name>.html`
Page template

`_includes/<file>`
Reusable snippet

`_data/<name>.yml`
Data as site.data.<name>

`_sass/<file>.scss`
Sass partials

`_site/`
Generated output; git-ignore it

`Gemfile`
Gems and the jekyll version

CONFIG KEYS

`url: https://example.com`
Site address, no trailing slash

`baseurl: /blog`
Subpath the site lives under
Empty by default.

`title: <name>`
Site title

`exclude: [<path>, ...]`
Skip files, added to the defaults

`include: [<path>, ...]`
Copy files that would be skipped

`keep_files: [<path>, ...]`
Keep files when _site is cleaned

`permalink: pretty`
URL style for posts
Default is date.

`markdown: kramdown`
Markdown converter

`highlighter: rouge`
Code highlighter

`timezone: <Area/City>`
Time zone for dates

`destination: <dir>`
Output folder (default ./_site)

CONFIG KEYS (cont.)

`plugins: [<gem>, ...]`
Load plugin gems

`collections:`
Define custom content groups

`defaults:`
Front matter set by path or type

`theme: <gem>`
Use a gem-based theme

`show_drafts: true`
Same as --drafts

FRONT MATTER

`layout: <name>`
Wrap the page in a layout

`title: <text>`
Page or post title

`date: YYYY-MM-DD HH:MM:SS +0000`
Override the date from the filename

`permalink: /<path>/`
Set this page's URL

`published: false`
Leave the page out of the build

`categories: [<a>, <b>]`
Categorise a post

`tags: [<a>, <b>]`
Tag a post

`layout: null`
Skip the layout

RECIPES

New site, local preview

```
jekyll new mysite
cd mysite
bundle exec jekyll serve --livereload
```

Preview drafts and future posts

```
bundle exec jekyll serve --drafts --future
# add --unpublished for published: false pages
```

Production build into a custom folder

```
JEKYLL_ENV=production bundle exec jekyll build -d public
```

Project site under a subpath

```
bundle exec jekyll build --baseurl "/<repo>"
# or set baseurl: "/<repo>" in _config.yml
```

Dev overrides on top of the config

```
# _config_dev.yml
url: http://localhost:4000

bundle exec jekyll serve --config _config.yml,_config_dev.yml
```