

# Install

2022-01-01 00:00:00.000000000 -03:00

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## Dependencies

- Pandoc. Does most of the work converting Markdown to other formats.
- Tectonic. Recommended PDF engine for Pandoc. Instead of installing the whole TeXLive distribution, Tectonic only downloads the packages required for your file. It will also be used internally to generated imposition and binding formats.
- `pdfinfo` program provided by Poppler. Only needed if

you want to produce PDF. Currently it's only used to figure out PDF page count. If you know of another way to reliably find PDFs page count, please let us know.

## Ready to go environment

If you're using Linux `x86_64`, we recommend using `haini.sh`. It will install an Alpine 3.13 distribution on a subdirectory and install pre-built gems from <https://gems.sutty.nl/>.

After installing `haini.sh`, run this command to install missing dependencies:

```
haini.sh apk add --no-cache pandoc tectonic poppler-utils
```

## Manual install

Install dependencies using your package manager of choice. If they provide too old versions (in comparison to the versions announced on their webpages), you may be missing features or experience broken builds, and you may need to install them via alternative sources (download the binary, build from source, etc.)

We recommend `rbenv` and `ruby-build` to prepare a Ruby 2.7 environment.

Some of the gems will need a working compiler and some of your CPU time. Depending on your operating system distribution, you'll need to install development headers using your package manager.

## Using Pacman package manager

```
# As root  
pacman -Sy base-devel
```

## Using APT package manager

```
# As root  
apt install build-essential
```