

panpdf readme

What is panpdf?

panpdf is a command line tool for converting Markdown dialect files to CSS styled HTML or PDF. This lets you keep code highlighting, and makes the markdown look *like markdown* - and not like LaTeX (which is often great but not always ideal).

It has two steps:

- **panhtml**: Creates a standalone HTML with custom CSS, using [pandoc \(pandoc.org\)](http://pandoc.org) and some shell scripting. The CSS is embedded in the HTML since I've had issues embedding local CSS in the HTML files in other ways. (Pull requests welcome!!)
- **panpdf**: Creates a PDF formatted by the CSS. Not yet implemented, but planned for macOS using AppleScript and Safari's **save as PDF** functionality.

Running **panpdf** will eventually perform both of the steps if necessary.

There are other software which do the same thing - search online for **Markdown to PDF** and you'll find alternatives! :)

Installation

panpdf has these dependencies:

- UNIX-like OS (possibly only macOS for PDF generation when it's implemented - depending on how I do it)
- [Pandoc \(pandoc.org\)](http://pandoc.org) must be installed

For a basic installation, run:

```
sudo ./install.sh
```

The scripts + CSS will then be installed in `/usr/local/panpdf/`, and symlinks for **panpdf**, **panhtml** will be added to `/usr/local/bin/`. **sudo** might be required due to folder creation in `/usr/local/` (it was for me atleast).

If you want, go ahead and modify the **config** file to choose your own install directory or CSS source URL. The config is interpreted as a shell script (**. config**), so don't modify the variable names. (I'm planning on adding a script to automate changing the config, eventually.)

The default CSS used is [this one \(https://github.com/eirikeve/Markdown-CSS\)](https://github.com/eirikeve/Markdown-CSS), which is a print-friendly version of [github.com/simonlc's Markdown-CSS \(https://github.com/simonlc/Markdown-CSS\)](https://github.com/simonlc/Markdown-CSS).

After the installation, `panhtml` should be usable. `panpdf` currently doesn't work (it's not finished).

Usage example

This is how the [html file in example_output \(example_output/README.html\)](example_output/README.html) was made.

```
eves@eves-mbp:~/Documents/Programming/panpdf$ panhtml README.md &&
if [[ "$?" == "0" ]]; then
    printf "it worked! \n";
    open README.html;
fi
panpdf: converting panpdf readme
it worked!
```

Note: For the example output html file to be displayed correctly, you'll need to download it (since github shows it as plaintext).

Bugs?

Theres probably a lot of bugs. Feel free to open an issue or a pull request if you encounter one.

Snippets for the example output

Just so a bit more is displayed in the example output, here's:

- a blockquote,
- some LaTeX ,
- and some `c` code.

```
This is a blockquote
:)
```

This is a linear parametrization:

$$z = \theta^{*\top} \phi$$

```
// A c program
```

```
#define SOME_MACRO "some macro"
int main(int argc, char *argv[]) {
    if (argc > 1) {
        for (int i = 1; i < argc; i++) {
            foo(argv[i]);
        }
    }
    return bar();
}
```

Credit & References

- github.com/simonlc's [Markdown-CSS \(https://github.com/simonlc/Markdown-CSS\)](https://github.com/simonlc/Markdown-CSS)
- [Pandoc \(pandoc.org\)](https://pandoc.org)