

Please, before reading this page, be sure to know what `StrapDown.js` is

Check out `index.html` if you don't know yet how cool `StrapDown.js` is!

StrapDown2PDF

StrapDown2PDF is a **super cool** Bash script designed to print a StrapDown-powered web-page to a PDF document.

More details

To be more precise, `StrapDown.js` allows you to write pretty HTML pages with the Markdown syntax (more details here `index.html`).

And StrapDown2PDF can be used (on your laptop, from the command line) to transform the document from HTML (written with Markdown) to PDF (with one intermediate phase as a LaTeX file).

Example and how-to

This page as a PDF is a pretty good example of an automatically compiled PDF file.

Warning : this script is still experimental : the compilation is never perfect. It is advisable to use the `-keep` option, change a little bit the LaTeX file and then compile again.

How-to ?

You just have to use this command, in a terminal :

```
bash strapdown2pdf MyWebPage.html#This will produce 'MyWebPage.pdf'
```

More than one file at a time ?

`strapdown2pdf` even supports multi arguments. For instance, the following command will print to PDF every `StrapDown.js`-flavored HTML file in the current directory :

```
bash echo 'Calling' strapdown2pdf *.html' will produce a PDF for every HTML document in the current directory.'^M
strapdown2pdf *.html
```

Even more details ?

`strapdown2pdf` comes with a basic help included ! Just ask with option `-h` (as always) :

```
“bash strapdown2pdf – hstrapdown2pdf – help[options]
```

Print a StrapDown-powered web-page to a PDF document, using lunamark and autotex.

Help : `-h` to print this help message (and quit). `-v` to print just the version of `strapdown2pdf` (and quit).

Options : `-i|`interactive run PDFLaTeX with the interactive (errorstopmode) mode (default is batchmode).
`-q|`quiet run `strapdown2pdf` in quiet mode (no output at all, everything is redirected to `/tmp/strapdown2pdf.log`).
`-m|`htm run `strapdown2pdf` to produce a simple HTML file (which do not use `StrapDown.js`), written to a `.htm` file. For important document, producing a `.htm` autonomous file is a good idea. `-d|`discrete run `strapdown2pdf` is discrete mode, without adding any credentials in the produced document. `-s[0-9][0-9]%` change the default scale used by autotex (default is 85%, '-70%', '-75%' or '-80%' are good also) New ! `-[0-9][0-9]pt` change the default police size used by autotex (default is 11pt, '10pt' or '12pt' are good also) New ! `-k|`keep keep the intermediate `.tex` file. New ! `-s|`sign sign the produce PDF document with GnuPG (thanks to PDFCompress).

strapdown2pdf v0.8 : Copyrights : (c) Lilian Besson 2011-2014. Released under the term of the GPL v3 Licence (more details on <http://perso.crans.org/besson/LICENSE.html>). In particular, strapdown2pdf is provided WITHOUT ANY WARRANTY. ““

Options

strapdown2pdf now comes with these options :

- **-interactive** (shortcut is **-i**) to run PDFLaTeX with the interactive (errorstopmode) mode (default is batchmode),
 - **-quiet** (shortcut is **-q**) to run strapdown2pdf in quiet mode (no output at all, everything is redirected to `/tmp/strapdown2pdf.log`),
 - **-htm** (shortcut is **-m**) to produce a simple HTML file (which do not use StrapDown.js, see this example `strapdown2pdf.htm`), written to a .htm file. For important document, producing a .htm autonomous file is a good idea,
 - **-discrete** (shortcut is **-d**) to run strapdown2pdf in discrete mode, without adding any credentials in the produced document,
 - **-s [0-9] [0-9]*%** (e.g. `-79%`) to change the default scale used by autotex (default is `85%`, `'-70%'`, `'-75%'` or `'-80%'` are good also),
 - **-[0-9] [0-9]*pt** (e.g. `-10pt`) to change the default police size used by autotex (default is `11pt`, `'-10pt'` or `'-12pt'` are good also),
 - **-keep** (shortcut is **-k**) to keep the intermediate `.tex` file,
 - **-sign** (shortcut is **-s**) to sign the produce PDF document with GnuPG (thanks to PDFCompress option `-sign`).
-

Mandatory requirements

- lunamark (an awesome lua-powered Markdown to LaTeX processor),
- autotex (from my web page, or from bin/autotex).

Optionnal requirements

These external scripts are not really mandatory, you could do without it by modifying a couple of lines of the script's code :

- PDFCompress (from my web page, or from bin/PDFCompress),
 - pdflatex (from my web page, or from bin/pdflatex).
-

Future features ?

A 100% perfect support for embeded LaTeX code

These two examples (3 and 4) show how to include MathJax in a StrapDown-flavored HTML page to simply embed some LaTeX equations.

Apparently, now `strapdown2pdf` have a better support for any (not too complicated) *LATEX* code embedded in the Markdown source. Any feedback is welcome, and I will continue to improve this feature.

Some examples of a good PDF printed version of a StrapDown.js powered page

These are from September, October and November 2014.

- This (English) translation of a French press article about Mahindra École Centrale, nicely printed to this PDF,
 - This (English) translation of another French press article about the future École Centrale Casablanca, nicely printed to a PDF, quickly modified by hand to include an image,
 - This small (French) research report on a non-linear Partial Differential Equation, nicely printed to a PDF, with very good support of LaTeX (since this modification),
 - This (French) homepage of a programming project on Euler theorems on Eulerian path. I did this as an assignement for my M.Sc. of Computer Science in 2014, and it was also a good training for one oral exam of the French national competitive examination to become a prep' school professor in Mathematics and Computer Science (for which I have been ranked 23rd among 795 in 2014!).
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Autocompile on the fly ?

Make a version « on the browser »? Something like, if `index.html` uses `StrapDown.js`, then `index.html?pdf` can be the same HTML page, but using javascript (like `texlive.js`) to autoproduce a PDF version of the page in the background, asking to download it when it is done.

An example is there. It is so cool I want to use it :)

Add a « Compile to PDF with TeXLive » button in StrapDown theme

I added a Squirt button to the two `StrapDown.js` theme, and therefore I guess it could be possible to do the same for a « Compile to PDF with TeXLive » button!

About

Hacked by Lilian Besson

Languages

- GNU Bash v4+ for the script,
- Markdown and `StrapDown.js` for this page.

License

This project is released under the **GPLv3 license**, for more details, take a look at the LICENSE file in the source.

Basically, that allow you to use all or part of the project for your own business.

(Compiled to **PDF** from a `HTML/Markdown` file (powered by `StrapDown.js`) with `strapdown2pdf`, v0.9.)