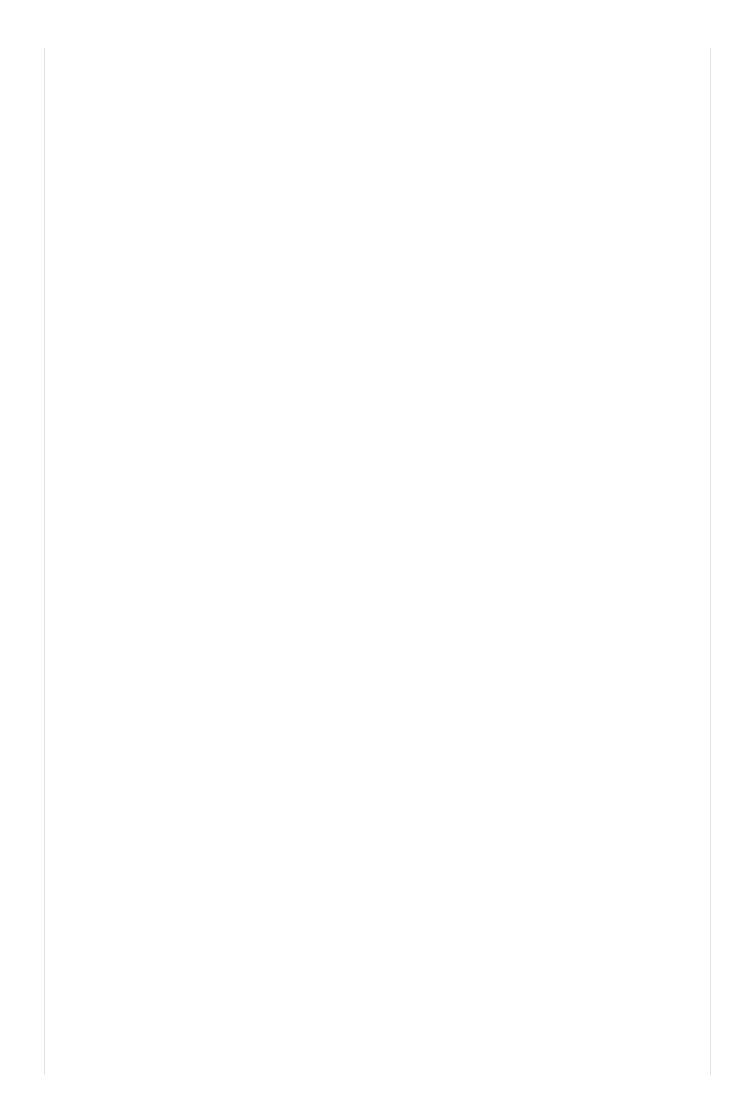
compile_markdown.md		



# How to convert markdown file into html and pdf files using github api On Ubuntu/Debian systems. 3 different ways:

Using only pandoc

### **Install**

pandoc used natively latex to compile. latex is heavy to install.

pandoc installation:

```
sudo apt update
sudo apt install pandoc
```

# **Usage**

```
pandoc some_file.md -s -o some_file.pdf
```

The result is clear but do not have the nice github style. Classic latex style is used.

It's fast and command line only.

See compile\_markdown\_pandoc.pdf file to see the result on this file.

# Using grip and Firefox or Chrome

Use grip to convert the markdown file into html render and firefox or chrome to save it as pdf.

### **Install**

grip needs to be installed. it's needing an active Internet connexion to use Github API.

```
sudo apt-get update
sudo apt-get install -y grip
```

the html-pdf convertion needs firefox or chrome installed.

# **Usage**

grip is used to render the file on a local server (localhost).

1. Start grip using the following command:

```
grip some_file.md
```

Once it is running a message will appears:

```
* Serving Flask app 'grip.app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production dep
* Running on http://localhost:XXXX
```

Where xxxx is a port.

- 2. Open http://localhost:xxxx on Firefox or Chrome. Ctrl+Click to open with default navigator.
- 3. Ctrl+P (or Parameters>Print...) to save open the print windows. Select Save to pdf as Destination.
- 4. (Optional) The looks is better with *Print headers and footers* unchecked and *Print backgrounds* checked.
- 5. Click on Save and chose a file name and path.

This way needs to open firefox or chrome and save to pdf using graphical interface. It is the better looking way.

See compile\_markdown\_grip\_firefox.pdf file to see the result on this file with Firefox and compile\_markdown\_grip\_chrome.pdf with Chrome.

# Using grip and wkhtmltopdf

It is using <code>grip</code> to convert the markdown file into a html file. it's needing an active Internet connexion to use Github API. Then <code>wkhtmltopdf</code> convert it into a pdf file.

### **Install**

grip needs to be installed.

```
sudo apt-get update
sudo apt-get install -y grip
```

wkhtmltopdf needs to be installed.

```
sudo apt-get update -y
sudo apt-get install -y wkhtmltopdf
```

# **Usage**

1. grip is used to export the markdown file into a html file.

```
grip some_file.md --export some_file.html
```

2. wkhtmltopdf is used to convert the html file into a pdf file

```
wkhtmltopdf some_file.html some_file.pdf
```

This way is a command line only process, it's looks great but needs an active Internet connexion (grip use github renderer).

See compile\_markdown\_grip\_wkhtmltopdf.pdf file to see the result on this file.