

KU LEUVEN

Ubuntu Tips & Tricks

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1 Git

1.1 Installation

1.2 Setting up credentials

This way you don't have to enter your username and password every time you want to push to for example *Github*.

Install and compile the Gnome Keyring devel:

```
sudo apt-get install libgnome-keyring-dev
sudo make --directory=/usr/share/doc/git/contrib/credential/gnome-keyring
```

And setup the credential:

```
git config --global credential.helper /usr/share/doc/git/contrib/credential/
gnome-keyring/git-credential-gnome-keyring
```

2 PDFMtEd

PDFMtEd is a tool that allows to change the metadata of a pdf file.

2.1 Installation

Clone or download the Github repository at <https://github.com/Glutanimate/PDFMtEd> and follow the installation instructions. Afterwards you can right-click on the pdf file and select PDFMtEd-editor to edit the metadata or use the command line tool, as explained in the readme.

3 Webpage to Epub

Probeer eerst de Chrome Plugin EpubPress, als die iets mooi geeft (Let vooral op afbeeldingen en mathematische vergelijkingen voor problemen) kan je dit in calibre importen en mooi maken.

Als dit niet werkt kan je de webpagina opslagen met behulp van *ctrl + s*. Compress de *html* file samen met de *_files* map tot een zip. Import deze zip in calibre en convert naar een epub (eventueel met als tussenstap *htmlz* als het niet mooi is). Kijk opnieuw of het mooi is of niet.

Als dit nog niet lukt moet je jouw epub droom opgeven en overgaan naar pdf, voer de volgende stappen uit:

1. Slaag de webpagina op via *ctrl + s*
2. Zet om naar een zip
3. Compress de *.html* file samen met de *_files* map tot een zip
4. Gebruik calibre om dit om te zetten naar pdf (eventueel met *htmlz* als tussenstap)
5. Bewerk de pdf files met *pdftk* om laatste pagina's te laten vallen net als overbodige eerste pagina's

```
pdftk file.pdf cat begin_page-end_page output dropped_pages_file.pdf
```
6. Merge met *pdftk*

```
pdftk *.pdf cat output merged.pdf
```
7. Gebruik PDFMtEd om meta data juist te zetten

4 Xournal

Pdf editor tool. Handy to take notes, add images, ... in a pdf. You can also use this tool to remove parts of a pdf page by creating a white image (for example with pinta) adding this image to the pdf and overlapping the part you want removed.

4.1 installation

You can find Xournal in the software center or using command line:

```
sudo apt-get install Xournal
```

5 Pinta

Basically paint for ubuntu.

6 Gimp

Basically a free photoshop thing, but a bit more complicated it seems.

7 Video conversion

Tips and tricks to convert your video files to what you want.

7.1 Converting Any audio to AC3

Often sound-systems won't play 5.1 AAC audio as surround sound, so you have to convert it to 5.1 AC3 audio. You can use ffmpeg for this.

Install ffmpeg as follows:

Convert the audio to AC3 as follows:

```
ffmpeg -i input.mkv -codec copy -acodec ac3 output.mkv
```

7.2 Burning subtitles in video

Use mkvmerge to do this.

Installation:

Use it as follows:

```
mkvmerge -o output.mkv input.mkv subtitles.srt
```

8 Calibre

Usefull tool for convert lots of formats to lots of formats, including zip, pdf, epub and html. You can also use this to download articles from Pocket (You need at least 10 and all articles will be moved to the archive afterwards) and convert them to epub. It has a very good epub editor (in html style) to make the details perfect.

Installation:

```
sudo add-apt-repository ppa:n-muench/programs-ppa
sudo apt-get update
sudo apt-get install calibre
```

8.1 Convert articles from Pocket to Epub

1. Press the *Fetch News* button
2. Search pocket
3. Select pocket enter username and password, **Warning** your password can't contain spaces or special characters or Calibre won't be able to fetch the pocket articles
4. Click the *Download Now* button on the bottom right
5. All Pocket articles are downloading now, **Warning** you need at least 10 articles in Pocket for this to succeed, and all these articles will be moved to archive on Pocket
6. Select the newly added epub and start editing by pressing the *Edit book* button.