# Basic Stack

## System & Network

Manually download and install [Encryptr](https://encryptr.org), and your VPN config files from your VPN provider.

sudo apt-get install openvpn  
sudo apt-get install network-manager-openvpn  
sudo gedit /etc/openvpn/auth

Set the repository mirror to http://eu-central-1.clouds.archive.ubuntu.com/ubuntu/. See [this link](http://askubuntu.com/questions/37753/how-can-i-get-apt-to-use-a-mirror-close-to-me-or-choose-a-faster-mirror). Finally, connect the VPN and use the Ubuntu Software Updater, then restart the system.

## TeX

Manually download TexLive net installer, use the [Texlive Quick Install guide](https://www.tug.org/texlive/quickinstall.html)

sudo apt-get install perl-tk  
sudo /home/zodium/Downloads/install-tl-20150625/install-tl -gui wizard --location http://ftp.snt.utwente.nl/pub/software/tex/systems/texlive/tlnet

Add directories to PATH.

sudo gedit ~/.profile

export PATH=/usr/local/texlive/2015/bin/x86\_64-linux:$PATH  
export MANPATH=/usr/local/texlive/2015/texmf-dist/doc/man:$MANPATH  
export INFOPATH=/usr/local/texlive/2015/texmf-dist/doc/info:$INFOPATH

Add psudo bash alias to escape sudo behavior.

sudo gedit ~/.bashrc

alias psudo='sudo env PATH="$PATH"'

Source changes.

. ~/.profile  
. ~/.bashrc

## Git

Git comes preinstalled on Ubuntu, but it's old. Update it and hook it up to GitHub.

sudo add-apt-repository ppa:git-core/ppa -y  
sudo apt-get update  
sudo apt-get install git  
git --version  
git config --global user.name "zodium"  
git config --global user.email "zodium@gmail.com"  
ssh-keygen -t rsa -b 4096 -C "zodium@gmail.com"  
eval "$(ssh-agent -s)"  
ssh-add ~/.ssh/id\_rsa

## GibHub

Take the key in id\_rsa and manually upload it to GitHub via the web interface.

gedit ~/.ssh/id\_rsa.pub  
ssh -T git@github.com  
git clone https:///github.com/zodium/Personal-Open-Science-Pipeline/  
cd ~/Personal-Open-Science-Pipeline/  
git remote -v  
git remote set-url origin git@github.com:zodium/Personal-Open-Science-Pipeline.git  
git remote add upstream git@github.com:zodium/Personal-Open-Science-Pipeline.git  
git remote -v  
git add .  
git commit -m “Loki-Loki test.”  
git push  
git fetch  
git status  
git pull

## R

Add deb http://cran.uni-muenster.de/bin/linux/ubuntu trusty/ to /etc/apt/sources.list before installing R.

sudo gedit /etc/apt/sources.list  
sudo apt-get update  
sudo apt-get install r-base  
sudo apt-get install r-base-dev  
[Manual install R Studio]  
rstudio ~/Personal-Open-Science-Pipeline/ & disown

## Atom and Pandoc

Manually install [Atom](https://atom.io/) and [Pandoc](https://pandoc.org/).

apm install file-icons  
apm install autocomplete-plus  
apm install language-latex  
apm install latexer  
atom ~/Personal-Open-Science-Pipeline/ & disown

# Generating and sharing APA 6th Ed. PDFs

Download the [apa6 package](https://www.ctan.org/pkg/apa6) from CTAN. Extract the samples folder to a Git repo, then navigate there.

cd ~\Personal-Open-Science-Pipeline\tests\apa6-latex-biber\

Produce APA6 PDF from shortsample.tex

pdflatex shortsample  
biber shortsample  
pdflatex shortsample

Produce APA6 PDF from longsample.tex

pdflatex longsample  
biber longsample  
pdflatex longsample

Return to POSP and allow gen\_from-md.sh to execute, then run.

cd ~/Personal-Open-Science-Pipeline/  
chmod +x ~/Personal-Open-Science-Pipeline/gen\_from-md.sh  
chmod +x ~/Personal-Open-Science-Pipeline/gen\_to-md.sh  
./gen\_from-md.sh

Check, commit and push changes to GitHub.

git status  
git add .  
git commit -m "Building environment."  
git push