**php install**

sudo apt update

sudo apt upgrade

sudo apt install php7.4

sudo apt install php-mysql

**Apache install on Ubuntu**

<https://ubuntu.com/tutorials/install-and-configure-apache#1-overview>

Sudo apt install apache2

service apache2 status

sudo service apache2 restart

Use this command to restart the web server

**Github desktop install**

<https://github.com/shiftkey/desktop/tree/release-2.9.12-linux4#readme>

wget -qO - https://mirror.mwt.me/ghd/gpgkey | sudo tee /etc/apt/trusted.gpg.d/shiftkey-desktop.asc > /dev/null

# if you want to use packagecloud.io

sudo sh -c 'echo "deb [arch=amd64] https://packagecloud.io/shiftkey/desktop/any/ any main" > /etc/apt/sources.list.d/packagecloud-shiftkey-desktop.list'

# if you want to use the US mirror

sudo sh -c 'echo "deb [arch=amd64] https://mirror.mwt.me/ghd/deb/ any main" > /etc/apt/sources.list.d/packagecloud-shiftkey-desktop.list'

(just use one of those. You can’t copy paste into the terminal so I used the second one as it was less typing…)

sudo apt update && sudo apt install github-desktop

**owner for the /var/www folder (to add files)**

<https://askubuntu.com/questions/19898/whats-the-simplest-way-to-edit-and-add-files-to-var-www>

(it’s the first comment under the first answer)

sudo adduser <username> www-data; sudo chgrp -R www-data /var/www; sudo chmod -R g+rw /var/www; find /var/www -type d -print0 | sudo xargs -0 chmod g+s

(typed it as one line. <username> is the username of the account you are using in linux)

Logout and log back in

**Folder**

The default folder for localhost is /var/www/html. As part of the permissions issue I tried to make another virtual host which didn’t end up working, not sure why. I ended up deleting the folder and making one with the same name (via terminal).

Cd /var/www/

Sudo rm -r html

I think it asks you to confirm the deletion. Be careful either way, because you can’t just undo this.

Mkdir html

**Repository**

Go into github desktop and clone the cnsa266\_final repository into the new /var/www/html directory. It will create a CNSA266\_Final directory.

To see if it worked, open up a web browser and go to “localhost”. You should see the directory listing and see a CNSA266\_Final listing. Click on that to open up the website.

**Atom (optional)**

<https://flight-manual.atom.io/getting-started/sections/installing-atom/#platform-linux>

I had problems with trying to do the wget command, so I just downloaded the package and installed it that way. You want the package with a name of “atom-amd64.deb”.

<https://atom.io/download/deb>

# navigate to downloads folder

Cd ~/Downloads/

# Install Atom

sudo dpkg -i atom-amd64.deb

# Install Atom's dependencies if they are missing

sudo apt-get -f install