

May 2019

Install cuda on ubuntu 19.04

install drivers

```
sudo apt install lightdm
```

This is required because gdm3 does not work well with nvidia's proprietary drivers but lightdm does. When you install lightdm, there will be a prompt to determine what desktop manager should be the default. Select lightdm.

```
sudo add-apt-repository ppa:graphics-drivers/ppa
sudo apt install dkms build-essential
sudo apt update
sudo apt install nvidia-driver-418
```

Before updating, I like to make sure I'll be able to get back into my system. By default, ubuntu 19 comes with a 0 second timeout on grub. Which is stupid. edit `/etc/default/grub` and change `GRUB_TIMEOUT` to something higher than 0. This will allow you to get into recovery mode easily if you break your system.

Then run,

```
sudo update-grub
```

to make your changes to the grub config take affect.

Then reboot your system.

May todo

Switch backup drive to deduped zfs with compression

Redo backup scripts to automate upload to backblaze

Figure out whether to keep fileserver

After running stress -32 on imara, the front processor was 77 and the back was 88.

Revision #2

Created Sat, Jan 11, 2020 3:01 AM by [kenneth](#)

Updated Sat, Jan 11, 2020 3:02 AM by [kenneth](#)