

# 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.

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Revision #2

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