# Workstation Setup Steps

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1) Request system access to UoB IT services

2) Install xrdp for remote access

sudo apt update

sudo apt install xfce4 xfce4-goodies –y

sudo apt install xrdp –y

sudo systemctl status xrdp

3) Disable Secure Boot for GPU

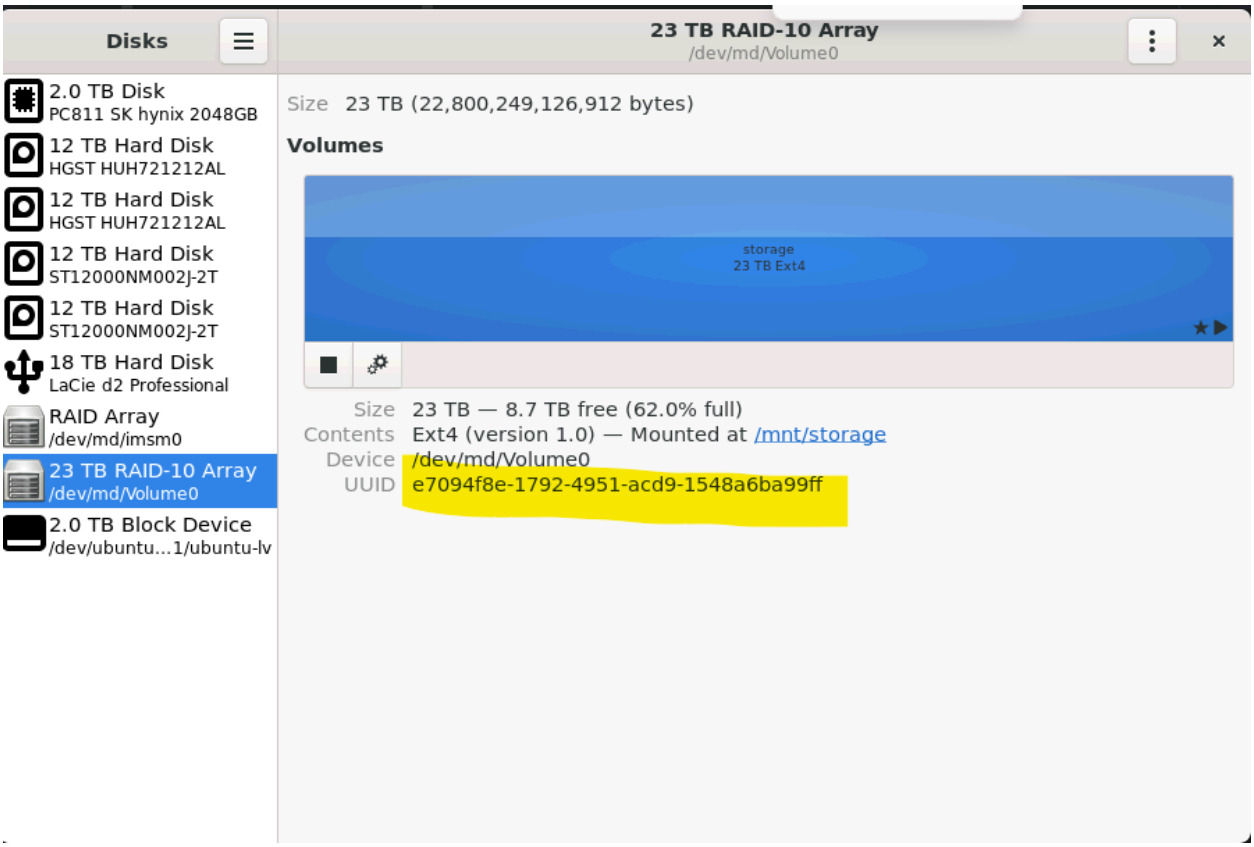
4) Install Cuda drivers

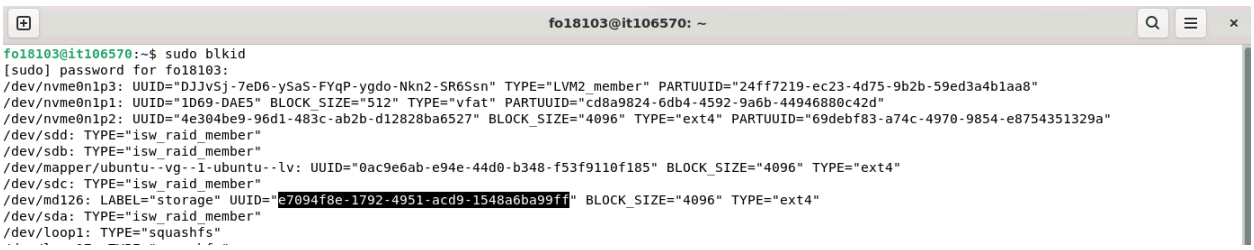
https://developer.nvidia.com/cuda-downloads?target_os=Linux&target_arch=x86_64&Distribution=Ubuntu&target_version=22.04&target_type=deb_local

5) Mount directory and permissions

- Format Raid Array
- sudo nano /etc/fstab

  *Below Replace UUID with your UUID, the drive destination will be in this example /mnt/storage.*
  *You can find the RAID UUID in the Disks app or use "sudo blkid" in terminal*




*Mounts the RAID Array automatically*

- Add at the end of the file: UUID=e7……99ff  /mnt/storage  ext4  defaults  0  2
- sudo mount –a

  *This makes root the owner of all files and folders in the /mnt/storage directory*
- sudo chown -R root:root /mnt/storage

  *Sets permissions*
- sudo find /mnt/storage -type d -exec chmod 755 {} \;
- sudo find /mnt/storage -type f -exec chmod 644 {} \;
- sudo apt install acl -y
- sudo setfacl -R -m u::rwX,g::r-X,o::r-X /mnt/storage
- sudo setfacl -dR -m u::rwX,g::r-X,o::r-X /mnt/storage

6) Install Pycharm

tar -xzf ~/Downloads/jetbrains-toolbox-2.6.0.40632.tar.gz

cd jetbrains-toolbox-2.6.0.40632

./jetbrains-toolbox