Hostname

node1

password

sohr666888314

superuser

sohr

Do the following node by node by hands

ssh node1

sudo visudo

Add the following line to the very end of this file

sohr ALL=(ALL) NOPASSWD: ALL

checkout /etc/hosts

Change mount point

Firstly get to know the partition reference. Run

sudo blkid

to get the UUID of the parition.

Next you need to modify your /etc/fstab file to point to the desired mount point. Run sudo xdg-open /etc/fstab and add a line or modify the line referencing the partition.

An example line:

UUID="xxxx-xxxx" /media/Radi ext4 defaults,user,auto 0 1

Then reboot your computer or run sudo mount –a

Note it is important to mount it without execution permission

UUID=c491c72c-e5fc-48b8-8cc1-5a5187bdc0ea /ssd2t ext4 rw,suid,dev,auto,user,async,exec 0 0

Network File System (NFS) setup

Headnode

Sudo apt-get install nfs-server

Sudo blkid to see UUID of disk/folder

Sudo vim /etc/exports, add two lines

/ssd2t \*(rw,sync)

/hdd4t \*(rw,sync)

Sudo service nfs-kernel-server restart

Compute nodes

Sudo apt-get install nfs-client

Sudo vim /etc/fstab

Add lines

headnode:/ssd2t /ssd2t nfs

headnode:/hdd4t /hdd4t nfs

sudo mkdir /ssd2t

sudo mkdir /hdd4t

sudo mount –a

Boot into command line mode

Yes you can. As described here (ubuntuhandbook.org - Boot into text console ubuntu) you need to edit /etc/default/grub to have the next boot end up in text mode. In summary you will set these parameters:

GRUB\_CMDLINE\_LINUX="text"

GRUB\_TERMINAL=console

After saving changes you need to run:

sudo update-grub

sudo apt-get install mailutils

sudo apt-get update

sudo apt-get upgrade

sudo apt-get update

sudo apt-get autoremove

sudo apt-get install vim

sudo apt-get install build-essential

sudo apt-get install gfortran

sudo apt-get install openssh-server

sudo apt-get install mpich

sudo apt-get install openmpi-bin

sudo apt-get install libboost-all-dev

anaoncda

/opt/anaconda/anaconda3

headnode

ssd2t -> ssd 2T in size

mount as /ssd2t

hdd4t -> hard drive disk 4T in size

mount as /hdd4t