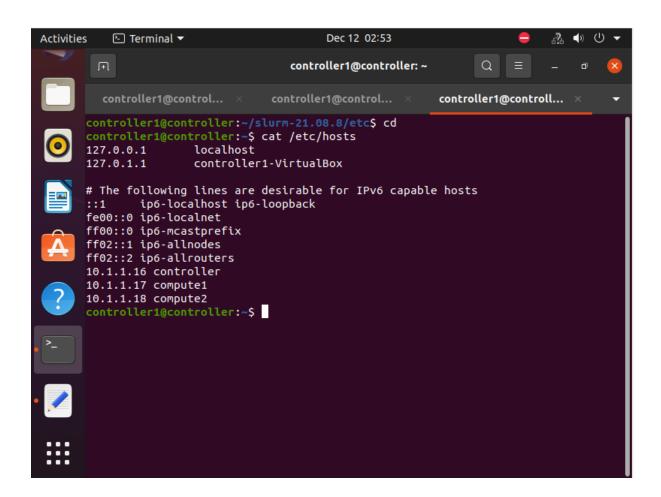
ASSIGNMENT_01

Aishwarya Dudhal 7004 Shweta aiwale 7043 Shweta jagdale 7018 Renuka gaidhane_7017 sudo nano /etc/hosts sudo visudo ALL=(ALL:ALL) NOPASSWD ALL sudo apt-get install ifupdown sudo nano /etc/network/interfaces wget https://download.schedmd.com/slurm/slurm-21.08.8.tar.bz2 sudo apt install -y build-essential munge libmunge-dev libmunge2 libmysqlclient-dev libssl-dev libpam0g-dev libnuma-dev perl tar -xvjf slurm-21.08.8.tar.bz2 slurm-21.08.8 cd slurm-21.08.8/ ./configure --prefix=/home/controller1/slurm-21.08.8/ make make install sudo create-munge-key sudo chown munge: /etc/munge/munge.key sudo chmod 400 /etc/munge/munge.key sudo scp -r /etc/munge/munge.key controller1@compute1:/tmp (copy munge-key in compute1) sudo chown -R munge: /etc/munge /var/log/munge sudo chmod 0700 /etc/munge /var/log/munge service status munge sudo systemctl status munge sudo mkdir /etc/slurm-llnl controller1@controller:~/slurm-21.08.8/etc\$

```
sudo cp /etc/slurm.conf.example /etc/slurm-llnl/slurm.conf
sudo cp slurmctld.service /etc/systemd/system/
sudo cp /etc/slurm-llnl/slurm.conf.
sudo scp /etc/slurm-llnl/slurm.conf controller1@compute1:/tmp
cd etc
sudo cp slurmdbd.conf.example slurmdbd.conf
sudo nano slurmdbd.conf
sudo apt-get install mailutils
Is /usr/bin
sudo nano Cgroup.conf
sudo apt-get install mariadb-server
sudo mysql -u root -p
sudo cp slurmdbd.service /etc/systemd/system/
sudo systemctl start slurmdbd.service
sudo systemctl status slurmdbd.service
sudo cp slurmd.service /etc/systemd/system
sudo mkdir /var/spool/slurmctld
sudo chmod 777 /var/spool/slurmctld/
sudo chown controller1:controller1/var/spool/slurmctld/
sudo nano slurmctld.service
sudo chown controller1:controller1 /var/spool/slurmctld/
sudo mkdir /etc/slurm/
sudo cp /etc/slurm-llnl/slurm.conf /etc/slurm/
sudo cp /etc/slurm-llnl/slurm.conf.
sudo nano slurm.conf
sudo cp slurm.conf /etc/slurm/
sudo cp slurm.conf /etc/slurm-llnl/
```

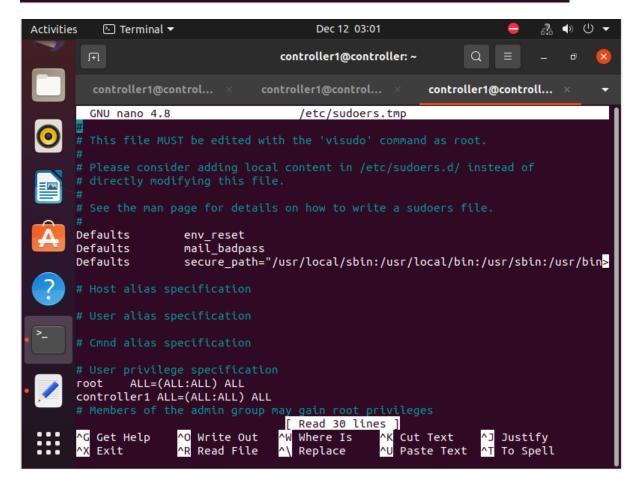
sudo service slurmdbd restart
sudo service slurmdbd status
sudo service slurmd restart
sudo service slurmd status
sudo service slurmctld restart
sudo service slurmctld restart

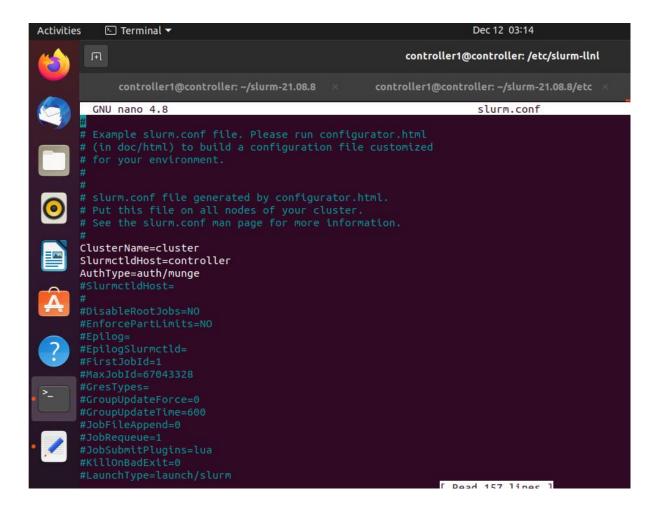
ON Controller

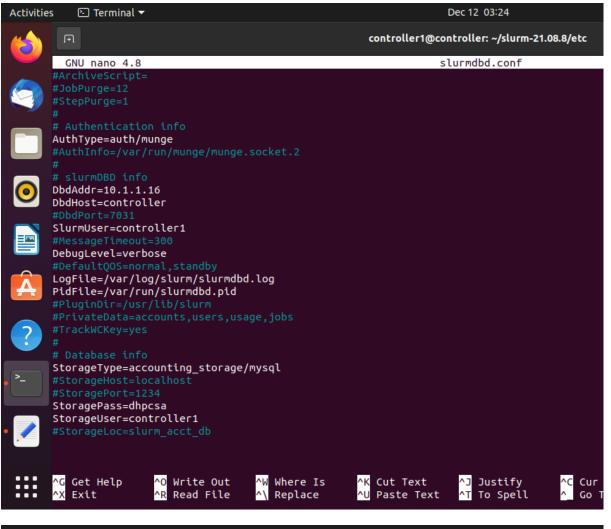


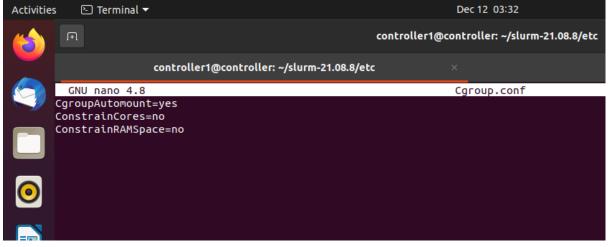
```
controller1@controller:~$ cat /etc/network/interfaces
# interfaces(5) file used by ifup(8) and ifdown(8)
# Include files from /etc/network/interfaces.d:
source-directory /etc/network/interfaces.d

auto enp0s8
iface enp0s8 inet static
address 10.1.1.16
netmask 255.255.255.0
broadcast 10.1.1.255
controller1@controller:~$
```









```
Controlleri@controller:-/slurm-21.08.8$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with; or \g.
Your MariaDB connection id is 38
Server version: 10.3.39-MariaDB-Oubuntu0.20.04.2 Ubuntu 20.04
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE USER 'controlleri'@'controller'identified by 'password';
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON *.* TO 'controlleri'@'controller';
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> 

MariaDB [(none)]>
```

ON Compute Node

```
controller1@compute1:~$ cd slurm-21.08.8$
controller1@compute1:~/slurm-21.08.8$ ls /tmp
config-err-HWcg2d
munge.key
snap-private-tmp
ssh-XMaTThY0iMii
systemd-private-67798755edf74439a94ebeba5445331e-colord.service-kTlGHh
systemd-private-67798755edf74439a94ebeba5445331e-ModemManager.service-eq2cpj
systemd-private-67798755edf74439a94ebeba5445331e-switcheroo-control.service-ZmSX8i
systemd-private-67798755edf74439a94ebeba5445331e-systemd-logind.service-chxy2i
systemd-private-67798755edf74439a94ebeba5445331e-systemd-resolved.service-FSXtSh
systemd-private-67798755edf74439a94ebeba5445331e-systemd-timesyncd.service-uz2pRe
systemd-private-67798755edf74439a94ebeba5445331e-upower.service-S27mSf
tracker-extract-files.1000
tracker-extract-files.126
VMwareDnD
```

