Prérequis : 2 machines virtuelles Debian12 (Master & Slave)

-Les démarrer.

-Se connecter.

Id :

Mdp :

sudo apt update

ip a

-Se connecter en SSH, avec MobaXterm (par exemple), en utilisant l'ip obtenue ci-dessus.

sudo nano /etc/networks/interfaces

Sur la machine **Master** :

```
  GNU nano 7.2
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug ens33
iface ens33 inet static
        address 192.168.66.11/24
        gateway 192.168.66.2
```

Sur la machine **Slave** :

```
  GNU nano 7.2
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug ens33
iface ens33 inet static
        address 192.168.66.12/24
        gateway 192.168.66.2
```

-Monter les nouvelles adresses sur les machines.

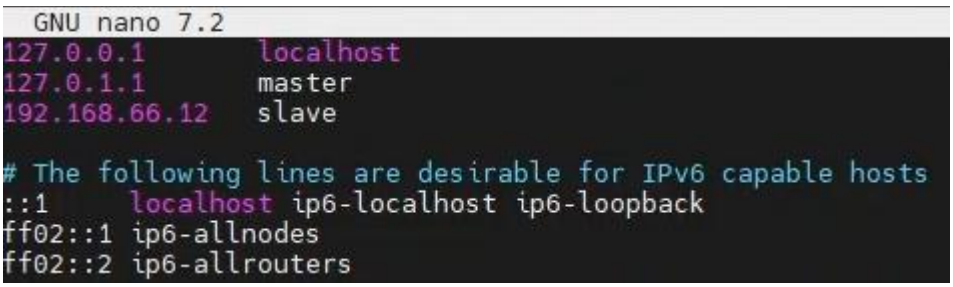
sudo ifup ens33

ip a

-Se reconnecter en SSH avec les nouvelles adresses IP.

sudo nano /etc/hosts

Sur la machine **Master** :

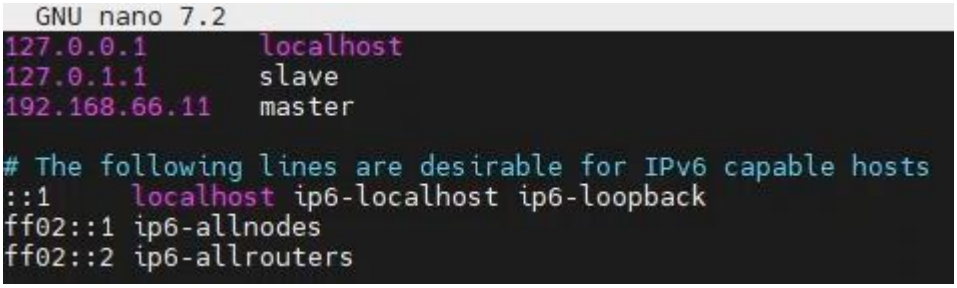


sudo hostname master

sudo nano /hostname

-Remplacer « Debian12 » par « master »

Sur la machine **Slave** :



sudo hostname slave

sudo nano /hostname

-Remplacer « Debian12 » par « slave »

-Vérifier que les deux machines peuvent communiquer, grâce à un Ping.

-Relancer les machines.

-Re-vérifier avec un Ping pour être sûr.

sudo mkdir -p /gfsvolume/gv0

ls /gfsvolume/

sudo apt install -y glusterfs-server

ping google.fr

sudo systemctl enable glusterd

sudo systemctl start glusterd

sudo systemctl status glusterd

Sur la machine **Master** :

sudo gluster peer probe slave

sudo gluster peer status

sudo gluster volume create gfs \replica 2 \master:/gfsvolume/gv0 \slave:/gfsvolume/gv0 force

sudo gluster volume start gfs

Vérifier le status du service :

sudo gluster volume status gfs

```
sio@master:~$ sudo gluster peer status
Number of Peers: 1

Hostname: slave
Uuid: 84e5f195-fa73-4d32-974c-70945cd1f882
State: Peer in Cluster (Connected)
sio@master:~$ sudo gluster volume create gfs \replica 2 \master:/gfsvolume/gv0 \slave:/gfsvolume/gv0 force
volume create: gfs: success: please start the volume to access data
sio@master:~$ sudo gluster volume start gfs
volume start: gfs: success
sio@master:~$ sudo gluster volume status gfs
Status of volume: gfs
Gluster process                         TCP Port  RDMA Port  Online  Pid
------------------------------------------------------------------------------
Brick master:/gfsvolume/gv0             56306     0          Y       10074
Brick slave:/gfsvolume/gv0              51336     0          Y       34108
Self-heal Daemon on localhost           N/A       N/A        Y       10097
Self-heal Daemon on slave               N/A       N/A        Y       34125

Task Status of Volume gfs
------------------------------------------------------------------------------
There are no active volume tasks
```

sudo nano /etc/fstab