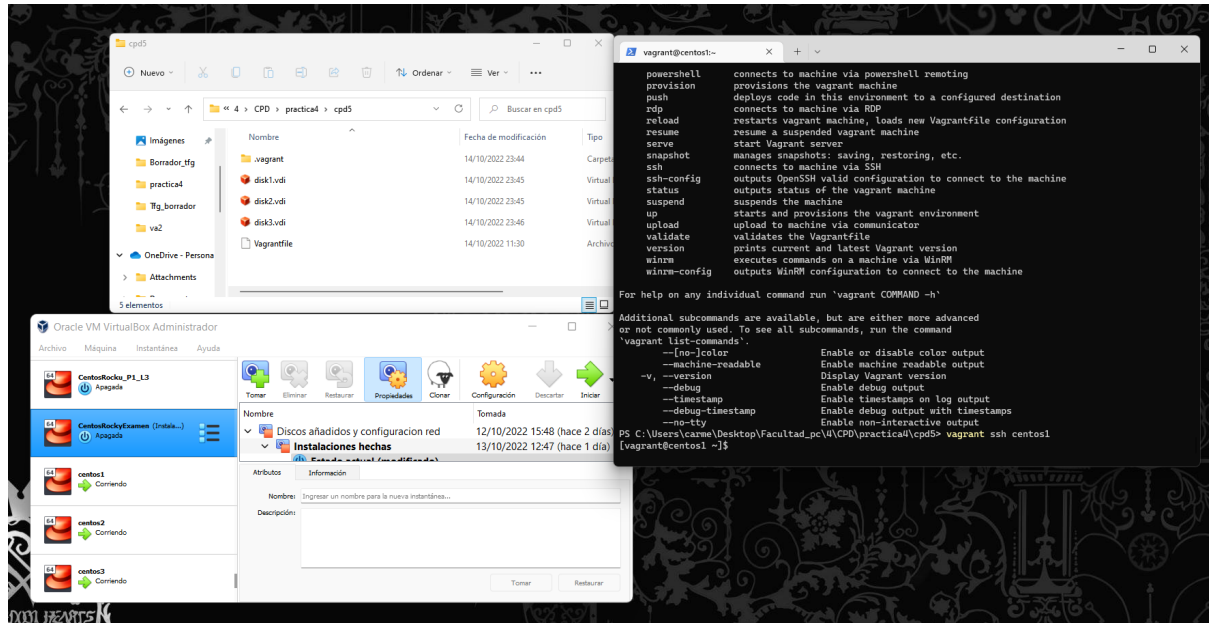


Práctica 4: Vagrant

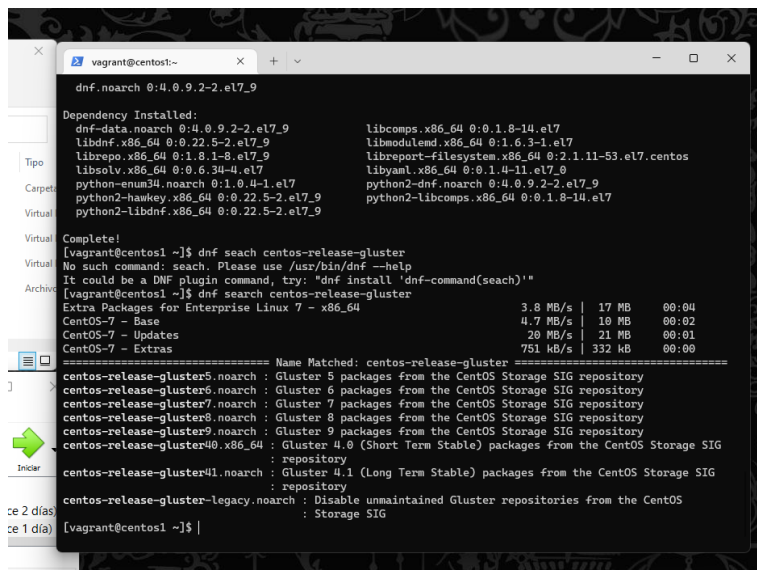
IV) Creación de las 3 máquinas virtuales



V) Instalación de glusterFS

Instalamos dnf en la máquina

Comprobamos la versión disponible de gluster



He instalamos la última versión en los nodo1, nodo2 y nodo3

Nodo1

Instalación

```
vagrant@centos1:~$ sudo yum install centos-release-gluster9 centos-release-storage-common
Installing:
centos-release-gluster9          noarch          1.0-1.el7          extras          4.1 k
Installing dependencies:
centos-release-storage-common    noarch          2-2.el7.centos     extras          5.1 k

Transaction Summary
=====
Install 2 Packages

Total download size: 9.2 k
Installed size: 2.0 k
Downloading Packages:
(1/2): centos-release-storage-common-2-2.el7.centos.noarch.rpm    33 kB/s | 5.1 kB  00:00
(2/2): centos-release-gluster9-1.0-1.el7.noarch.rpm              26 kB/s | 4.1 kB  00:00
-----
Total                                                                20 kB/s | 9.2 kB  00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing                : 1/1
  Installing               : centos-release-storage-common-2-2.el7.centos.noarch 1/2
  Installing               : centos-release-gluster9-1.0-1.el7.noarch           2/2
  Verifying                : centos-release-gluster9-1.0-1.el7.noarch           1/2
  Verifying                : centos-release-storage-common-2-2.el7.centos.noarch 2/2

Installed:
centos-release-gluster9-1.0-1.el7.noarch centos-release-storage-common-2-2.el7.centos.noarch

Complete!
[vagrant@centos1 ~]$
```

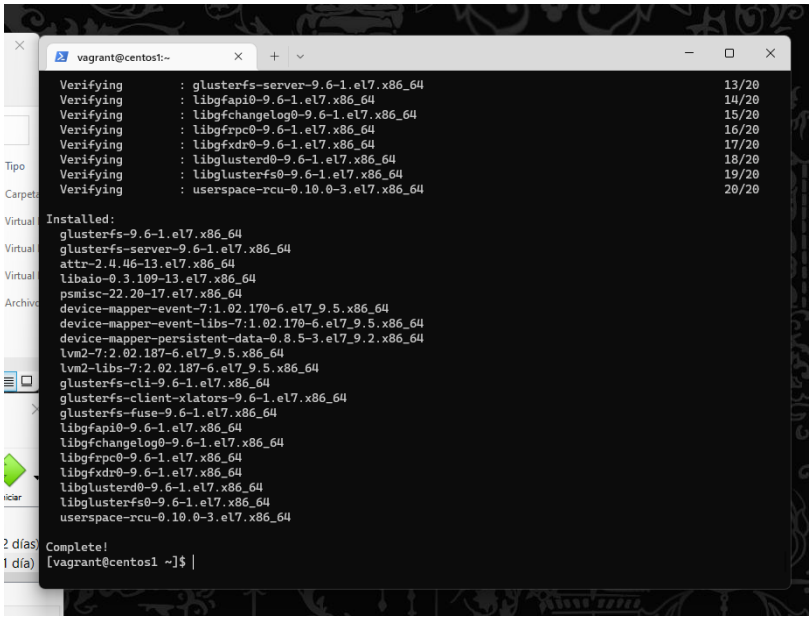
Update

```
vagrant@centos1:~$ sudo yum update
python-libs-2.7.5-92.el7_9.x86_64
python-perf-3.10.0-1160.76.1.el7.x86_64
rpm-4.11.3-48.el7_9.x86_64
rpm-build-libs-4.11.3-48.el7_9.x86_64
rpm-libs-4.11.3-48.el7_9.x86_64
rpm-python-4.11.3-48.el7_9.x86_64
rsync-3.1.2-11.el7_9.x86_64
rsyslog-8.24.0-57.el7_9.3.x86_64
samba-client-libs-4.10.16-20.el7_9.x86_64
samba-common-4.10.16-20.el7_9.noarch
samba-common-libs-4.10.16-20.el7_9.x86_64
samba-libs-4.10.16-20.el7_9.x86_64
selinux-policy-3.13.1-268.el7_9.2.noarch
selinux-policy-targeted-3.13.1-268.el7_9.2.noarch
sudo-1.8.23-10.el7_9.2.x86_64
systemd-219-78.el7_9.7.x86_64
systemd-libs-219-78.el7_9.7.x86_64
systemd-sysv-219-78.el7_9.7.x86_64
tuned-2.11.0-12.el7_9.noarch
tzdata-2022d-1.el7.noarch
util-linux-2.23.2-65.el7_9.1.x86_64
vim-minimal-2:7.4.629-8.el7_9.x86_64
virt-what-1.18-4.el7_9.1.x86_64
wpa_supplicant-1:2.6-12.el7_9.2.x86_64
xz-5.2.2-2.el7_9.x86_64
xz-libs-5.2.2-2.el7_9.x86_64
zlib-1.2.7-20.el7_9.x86_64

Installed:
bc-1.06.95-13.el7.x86_64 kernel-3.10.0-1160.76.1.el7.x86_64

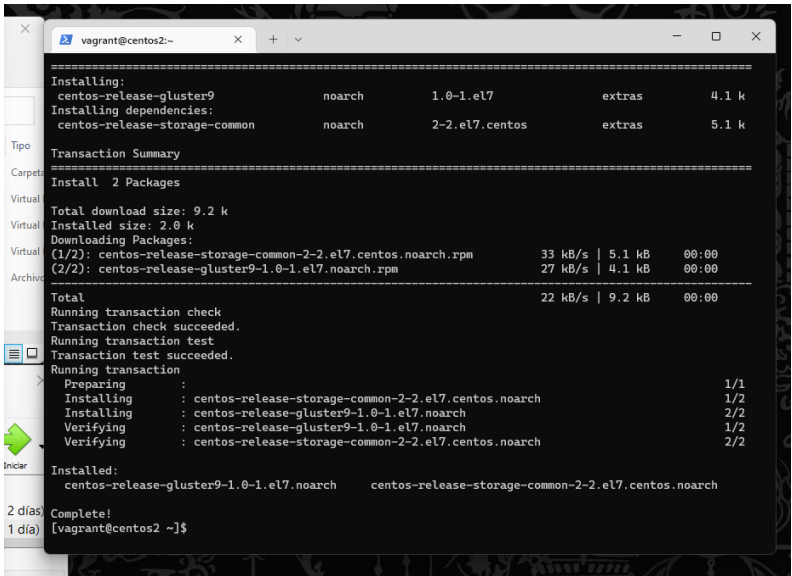
Complete!
[vagrant@centos1 ~]$
```

Instalación de gluster



Nodo2

Instalación



Update

```
vagrant@centos2:~$ sudo yum update
python-libs-2.7.5-92.el7_9.x86_64
python-perf-3.10.0-1160.76.1.el7.x86_64
rpm-4.11.3-48.el7_9.x86_64
rpm-build-libs-4.11.3-48.el7_9.x86_64
rpm-libs-4.11.3-48.el7_9.x86_64
rpm-python-4.11.3-48.el7_9.x86_64
rsync-3.1.2-11.el7_9.x86_64
rsyslog-8.24.0-57.el7_9.3.x86_64
samba-client-libs-4.10.16-20.el7_9.x86_64
samba-common-4.10.16-20.el7_9.noarch
samba-common-libs-4.10.16-20.el7_9.x86_64
samba-libs-4.10.16-20.el7_9.x86_64
selinux-policy-3.13.1-268.el7_9.2.noarch
selinux-policy-targeted-3.13.1-268.el7_9.2.noarch
sudo-1.8.23-10.el7_9.2.x86_64
systemd-219-78.el7_9.7.x86_64
systemd-libs-219-78.el7_9.7.x86_64
systemd-sysv-219-78.el7_9.7.x86_64
tuned-2.11.0-12.el7_9.noarch
tzdata-2022d-1.el7.noarch
util-linux-2.23.2-65.el7_9.1.x86_64
vim-minimal-2:7.4.629-8.el7_9.x86_64
virt-what-1.18-4.el7_9.1.x86_64
wpa_supplicant-1:2.6-12.el7_9.2.x86_64
xz-5.2.2-2.el7_9.x86_64
xz-libs-5.2.2-2.el7_9.x86_64
zlib-1.2.7-20.el7_9.x86_64

Installed:
bc-1.06.95-13.el7.x86_64                                kernel-3.10.0-1160.76.1.el7.x86_64

Complete!
[vagrant@centos2 ~]$
```

Instalación

```
vagrant@centos2:~$ sudo yum install glusterfs
Verifying      : glusterfs-server-9.6-1.el7.x86_64                13/20
Verifying      : libgfapi0-9.6-1.el7.x86_64                      14/20
Verifying      : libgfchangelog0-9.6-1.el7.x86_64                15/20
Verifying      : libgfrpc0-9.6-1.el7.x86_64                      16/20
Verifying      : libgfxdr0-9.6-1.el7.x86_64                      17/20
Verifying      : libglusterd0-9.6-1.el7.x86_64                   18/20
Verifying      : libglusterfs0-9.6-1.el7.x86_64                  19/20
Verifying      : userspace-rcu-0.10.0-3.el7.x86_64                20/20

Installed:
glusterfs-9.6-1.el7.x86_64
glusterfs-server-9.6-1.el7.x86_64
attr-2.4.46-13.el7.x86_64
libaio-0.3.109-13.el7.x86_64
psmisc-22.20-17.el7.x86_64
device-mapper-event-7:1.02.170-6.el7_9.5.x86_64
device-mapper-event-libs-7:1.02.170-6.el7_9.5.x86_64
device-mapper-persistent-data-0.8.5-3.el7_9.2.x86_64
lvm2-7:2.02.187-6.el7_9.5.x86_64
lvm2-libs-7:2.02.187-6.el7_9.5.x86_64
glusterfs-cli-9.6-1.el7.x86_64
glusterfs-client-xlators-9.6-1.el7.x86_64
glusterfs-fuse-9.6-1.el7.x86_64
libgfapi0-9.6-1.el7.x86_64
libgfchangelog0-9.6-1.el7.x86_64
libgfrpc0-9.6-1.el7.x86_64
libgfxdr0-9.6-1.el7.x86_64
libglusterd0-9.6-1.el7.x86_64
libglusterfs0-9.6-1.el7.x86_64
userspace-rcu-0.10.0-3.el7.x86_64

Complete!
[vagrant@centos2 ~]$
```

Nodo3

Instalación

```
vagrant@centos3:~$ sudo yum install glusterfs-storage
Installing:
centos-release-gluster9                noarch      1.0-1.el7      extras      4.1 k
Installing dependencies:
centos-release-storage-common          noarch      2-2.el7.centos extras      5.1 k

Transaction Summary
-----
Install 2 Packages

Total download size: 9.2 k
Installed size: 2.0 k
Downloading Packages:
(1/2): centos-release-gluster9-1.0-1.el7.noarch.rpm                26 kB/s | 4.1 kB    00:00
(2/2): centos-release-storage-common-2-2.el7.centos.noarch.rpm     32 kB/s | 5.1 kB    00:00
-----
Total                                                                    33 kB/s | 9.2 kB    00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :                                                         1/1
  Installing     : centos-release-storage-common-2-2.el7.centos.noarch    1/2
  Installing     : centos-release-gluster9-1.0-1.el7.noarch              2/2
  Verifying      : centos-release-gluster9-1.0-1.el7.noarch              1/2
  Verifying      : centos-release-storage-common-2-2.el7.centos.noarch    2/2

Installed:
centos-release-gluster9-1.0-1.el7.noarch    centos-release-storage-common-2-2.el7.centos.noarch

Complete!
[vagrant@centos3 ~]$
```

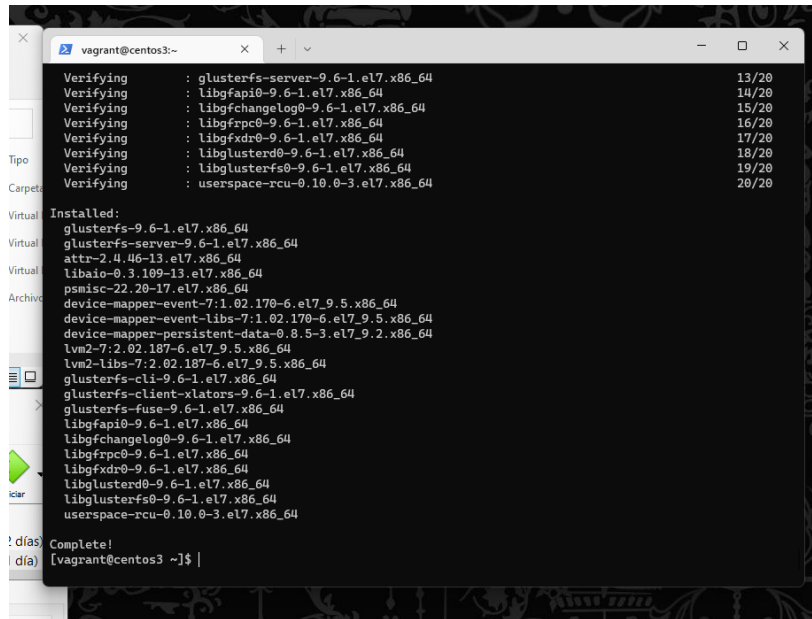
Update

```
vagrant@centos3:~$ sudo yum update
python-libs-2.7.5-92.el7_9.x86_64
python-perf-3.10.0-1160.76.1.el7.x86_64
rpm-4.11.3-48.el7_9.x86_64
rpm-build-libs-4.11.3-48.el7_9.x86_64
rpm-libs-4.11.3-48.el7_9.x86_64
rpm-python-4.11.3-48.el7_9.x86_64
rsync-3.1.2-11.el7_9.x86_64
rsyslog-8.24.0-57.el7_9.3.x86_64
samba-client-libs-4.10.16-20.el7_9.x86_64
samba-common-4.10.16-20.el7_9.noarch
samba-common-libs-4.10.16-20.el7_9.x86_64
samba-libs-4.10.16-20.el7_9.x86_64
selinux-policy-3.13.1-268.el7_9.2.noarch
selinux-policy-targeted-3.13.1-268.el7_9.2.noarch
sudo-1.8.23-10.el7_9.2.x86_64
systemd-219-78.el7_9.7.x86_64
systemd-libs-219-78.el7_9.7.x86_64
systemd-sysv-219-78.el7_9.7.x86_64
tuned-2.11.0-12.el7_9.noarch
tzdata-2022d-1.el7.noarch
util-linux-2.23.2-65.el7_9.1.x86_64
vim-minimal-2.7.4.629-8.el7_9.x86_64
virt-what-1.18-4.el7_9.1.x86_64
wpa_supplicant-1:2.6-12.el7_9.2.x86_64
xz-5.2.2-2.el7_9.x86_64
xz-libs-5.2.2-2.el7_9.x86_64
zlib-1.2.7-20.el7_9.x86_64

Installed:
bc-1.06.95-13.el7.x86_64                                kernel-3.10.0-1160.76.1.el7.x86_64

Complete!
[vagrant@centos3 ~]$
```

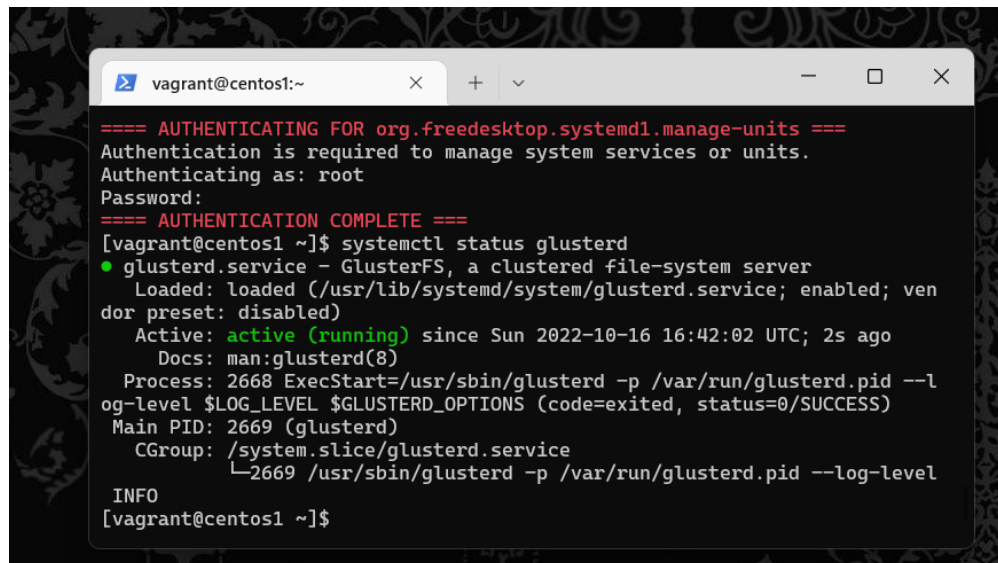
Instalación



```
vagrant@centos3:~  
Verifying : glusterfs-server-9.6-1.el7.x86_64 13/20  
Verifying : libgfapi0-9.6-1.el7.x86_64 14/20  
Verifying : libgfchangelog0-9.6-1.el7.x86_64 15/20  
Verifying : libgfpc0-9.6-1.el7.x86_64 16/20  
Verifying : libgfxc0-9.6-1.el7.x86_64 17/20  
Verifying : libglusterd0-9.6-1.el7.x86_64 18/20  
Verifying : libglusterfs0-9.6-1.el7.x86_64 19/20  
Verifying : userspace-rcu-0.10.0-3.el7.x86_64 20/20  
  
Installed:  
glusterfs-9.6-1.el7.x86_64  
glusterfs-server-9.6-1.el7.x86_64  
attr-2.4.46-13.el7.x86_64  
libaio-0.3.109-13.el7.x86_64  
psmisc-22.20-17.el7.x86_64  
device-mapper-event-7:1.02.170-6.el7_9.5.x86_64  
device-mapper-event-libs-7:1.02.170-6.el7_9.5.x86_64  
device-mapper-persistent-data-0.8.5-3.el7_9.2.x86_64  
lvm2-7:2.02.187-6.el7_9.5.x86_64  
lvm2-libs-7:2.02.187-6.el7_9.5.x86_64  
glusterfs-cli-9.6-1.el7.x86_64  
glusterfs-client-xlators-9.6-1.el7.x86_64  
glusterfs-fuse-9.6-1.el7.x86_64  
libgfapi0-9.6-1.el7.x86_64  
libgfchangelog0-9.6-1.el7.x86_64  
libgfpc0-9.6-1.el7.x86_64  
libgfxc0-9.6-1.el7.x86_64  
libglusterd0-9.6-1.el7.x86_64  
libglusterfs0-9.6-1.el7.x86_64  
userspace-rcu-0.10.0-3.el7.x86_64  
  
Complete!  
[vagrant@centos3 ~]$
```

VI) Iniciamos el servicio

Centos 1



```
vagrant@centos1:~  
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===  
Authentication is required to manage system services or units.  
Authenticating as: root  
Password:  
==== AUTHENTICATION COMPLETE ===  
[vagrant@centos1 ~]$ systemctl status glusterd  
● glusterd.service - GlusterFS, a clustered file-system server  
   Loaded: loaded (/usr/lib/systemd/system/glusterd.service; enabled; ven  
dor preset: disabled)  
   Active: active (running) since Sun 2022-10-16 16:42:02 UTC; 2s ago  
     Docs: man:glusterd(8)  
  Process: 2668 ExecStart=/usr/sbin/glusterd -p /var/run/glusterd.pid --l  
og-level $LOG_LEVEL $GLUSTERD_OPTIONS (code=exited, status=0/SUCCESS)  
    Main PID: 2669 (glusterd)  
     CGroup: /system.slice/glusterd.service  
             └─2669 /usr/sbin/glusterd -p /var/run/glusterd.pid --log-level  
INFO  
[vagrant@centos1 ~]$
```

Centos2

```

vagrant@centos2:~$ systemctl glusterfs status
Unknown operation 'glusterfs'.
vagrant@centos2 ~]$ systemctl glusterd status
Unknown operation 'glusterd'.
vagrant@centos2 ~]$ systemctl status glusterd
● glusterd.service - GlusterFS, a clustered file-system server
   Loaded: loaded (/usr/lib/systemd/system/glusterd.service; enabled; vendor preset: disabled)
   Active: active (running) since Sun 2022-10-16 16:53:22 UTC; 21s ago
     Docs: man:glusterd(8)
   Process: 2639 ExecStart=/usr/sbin/glusterd -p /var/run/glusterd.pid --log-level $LOG_LEVEL $GLUSTERD_OPTIONS (code=exited, status=0/SUCCESS)
   Main PID: 2640 (glusterd)
    CGroup: /system.slice/glusterd.service
            └─2640 /usr/sbin/glusterd -p /var/run/glusterd.pid --log-le...
vagrant@centos2 ~]$
```

Probamos la conexión

```

vagrant@centos1:~$ sudo gluster probe centos2
unrecognized word: probe (position 0)

Usage: gluster [options] <help> <peer> <pool> <volume>
Options:
--help Shows the help information
--version Shows the version
--print-logdir Shows the log directory
--print-statedumpdir Shows the state dump directory

vagrant@centos1 ~]$ sudo gluster peer probe centos2
peer probe: success
vagrant@centos1 ~]$ sudo gluster peer status
vagrant@centos1 ~]$ sudo gluster peer status
Number of Peers: 1

Hostname: centos2
Uuid: 5bcc7ea3-0f1f-43b0-afd8-05a55707a63a
State: Peer in Cluster (Connected)
vagrant@centos1 ~]$
```

Quitamos el servidor

```

vagrant@centos1 ~]$ sudo gluster peer detach centos2
All clients mounted through the peer which is getting detached need to be remounted using one of the other active peers in the trusted storage pool to ensure client gets notification on any changes done on the gluster configuration and if the same has been done do you want to proceed? (y/n)
y
peer detach: success
vagrant@centos1 ~]$
```

VII) Creación de los bricks

Partición

```
vagrant@centos1:~  
Be careful before using the write command.  
  
Device does not contain a recognized partition table  
Building a new DOS disklabel with disk identifier 0x038d4a6d.  
  
Command (m for help): n  
Partition type:  
   p   primary (0 primary, 0 extended, 4 free)  
   e   extended  
Select (default p): p  
Partition number (1-4, default 1): 1  
First sector (2048-20971519, default 2048):  
Using default value 2048  
Last sector, +sectors or +size{K,M,G} (2048-20971519, default 20971519):  
Using default value 20971519  
Partition 1 of type Linux and of size 10 GiB is set  
  
Command (m for help): t  
Selected partition 1  
Hex code (type L to list all codes): 8e  
Changed type of partition 'Linux' to 'Linux LVM'  
  
Command (m for help): w  
The partition table has been altered!  
  
Calling ioctl() to re-read partition table.  
Syncing disks.  
[vagrant@centos1 ~]$
```

Creacion de los volúmenes

```
[vagrant@centos1 ~]$ sudo pvcreate /dev/sdb1  
Physical volume "/dev/sdb1" successfully created.  
[vagrant@centos1 ~]$ sudo vgcreate vg01 /dev/sdb1  
Volume group "vg01" successfully created
```



```
vagrant@centos1:~$ Run 'lvcreate --help' for more information.
[vagrant@centos1 ~]$ lvcreate -L 100%FREE -n lv01 vg01
WARNING: Running as a non-root user. Functionality may be unavailable.
Can't parse size argument.
Invalid argument for --size: 100%FREE
Error during parsing of command line.
[vagrant@centos1 ~]$ sudo lvcreate -l 100%FREE -n lv01 vg01
Logical volume "lv01" created.
[vagrant@centos1 ~]$ mkfs.xfs /dev/mapper/vg01-lv01
mkfs.xfs: cannot open /dev/mapper/vg01-lv01: Permission denied
[vagrant@centos1 ~]$ sudo mkfs.xfs /dev/mapper/vg01-lv01
meta-data=/dev/mapper/vg01-lv01 isize=512    agcount=4, agsize=655104 bl
ks
           =                               sectsz=512    attr=2, projid32bit=1
           =                               crc=1          finobt=0, sparse=0
data       =                               bsize=4096    blocks=2620416, imaxpct=25
           =                               sunit=0        swidth=0 blks
naming     =version 2                     bsize=4096    ascii-ci=0 ftype=1
log        =internal log                  bsize=4096    blocks=2560, version=2
           =                               sectsz=512    sunit=0 blks, lazy-count=1
realtime   =none                          extsz=4096    blocks=0, rtextents=0
[vagrant@centos1 ~]$ lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
sda          8:0    0  40G  0 disk
└─sda1       8:1    0  40G  0 part /
sdb          8:16   0  10G  0 disk
└─sdb1       8:17   0  10G  0 part
   └─vg01-lv01 253:0   0  10G  0 lvm
[vagrant@centos1 ~]$
```

Creamos el punto de montaje y montamos todas las particiones

```
vagrant@centos1:~$ data       =                               crc=1          finobt=0, sparse=0
           =                               bsize=4096    blocks=2620416, imaxpct=25
           =                               sunit=0        swidth=0 blks
naming     =version 2                     bsize=4096    ascii-ci=0 ftype=1
log        =internal log                  bsize=4096    blocks=2560, version=2
           =                               sectsz=512    sunit=0 blks, lazy-count=1
realtime   =none                          extsz=4096    blocks=0, rtextents=0
[vagrant@centos1 ~]$ lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
sda          8:0    0  40G  0 disk
└─sda1       8:1    0  40G  0 part /
sdb          8:16   0  10G  0 disk
└─sdb1       8:17   0  10G  0 part
   └─vg01-lv01 253:0   0  10G  0 lvm
[vagrant@centos1 ~]$ mkdir -p /gluster/bricks/brick1
mkdir: cannot create directory '/gluster': Permission denied
[vagrant@centos1 ~]$ sudo mkdir -p /gluster/bricks/brick1
[vagrant@centos1 ~]$ sudo vi /etc/fstab
[vagrant@centos1 ~]$ mount -a
mount: only root can use "--all" option
[vagrant@centos1 ~]$ sudo mount -a
[vagrant@centos1 ~]$ lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
sda          8:0    0  40G  0 disk
└─sda1       8:1    0  40G  0 part /
sdb          8:16   0  10G  0 disk
└─sdb1       8:17   0  10G  0 part
   └─vg01-lv01 253:0   0  10G  0 lvm  /gluster/bricks/brick1
[vagrant@centos1 ~]$
```

Centos2

```
[vagrant@centos2 ~]$ partprobe
[vagrant@centos2 ~]$ sudo pvcreate /dev/sdb1
Physical volume "/dev/sdb1" successfully created.
[vagrant@centos2 ~]$ sudo vgcreate vg01 /dev/sdb1
Volume group "vg01" successfully created
[vagrant@centos2 ~]$ sudo lvcreate -l 100%FREE -n lv01 vg01
Logical volume "lv01" created.
[vagrant@centos2 ~]$ sudo mkfs.xfs /dev/mapper/vg01-lv01
meta-data=/dev/mapper/vg01-lv01  isize=512    agcount=4, agsize=655104 bl
ks
           =                               sectsz=512   attr=2, projid32bit=1
           =                               crc=1        finobt=0, sparse=0
data       =                               bsize=4096   blocks=2620416, imaxpct=25
           =                               sunit=0      swidth=0 blks
naming     =version 2                       bsize=4096   ascii-ci=0 ftype=1
log        =internal log                   bsize=4096   blocks=2560, version=2
           =                               sectsz=512   sunit=0 blks, lazy-count=1
realtime   =none                           extsz=4096   blocks=0, rtextents=0
[vagrant@centos2 ~]$ lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
sda          8:0    0  40G  0 disk
└─sda1       8:1    0  40G  0 part /
sdb          8:16   0   10G  0 disk
└─sdb1       8:17   0   10G  0 part
   └─vg01-lv01 253:0   0   10G  0 lvm
```

Montamos

```
[vagrant@centos2 ~]$ sudo mkdir -p /gluster/bricks/brick1
[vagrant@centos2 ~]$ sudo vi /etc/fstab
[vagrant@centos2 ~]$ sudo mount -a
[vagrant@centos2 ~]$ lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
sda          8:0    0  40G  0 disk
└─sda1       8:1    0  40G  0 part /
sdb          8:16   0   10G  0 disk
└─sdb1       8:17   0   10G  0 part
   └─vg01-lv01 253:0   0   10G  0 lvm  /gluster/bricks/brick1
[vagrant@centos2 ~]$
```

VIII) Creamos el FS

```
vagrant@centos1:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda          8:0    0   40G  0 disk
└─sda1       8:1    0   40G  0 part /
sdb          8:16   0   10G  0 disk
└─sdb1       8:17   0   10G  0 part
    └─vg01-lv01 253:0   0   10G  0 lvm  /gluster/bricks/brick1
[vagrant@centos1 ~]$ sudo gluster peer probe centos2
peer probe: success
[vagrant@centos1 ~]$ sudo gluster peer status
Number of Peers: 1

Hostname: centos2
Uuid: 5bcc7ea3-0f1f-43b0-afd8-05a55707a63a
State: Peer in Cluster (Connected)
[vagrant@centos1 ~]$ gluster pool list
ERROR: failed to create logfile "/var/log/glusterfs/cli.log" (Permission
denied)
ERROR: failed to open logfile /var/log/glusterfs/cli.log
[2022-10-16 17:14:48.663904 +0000] I [cli.c:840:main] 0-cli: Started runn
ing gluster with version 9.6
[2022-10-16 17:14:48.667203 +0000] I [cli-cmd-volume.c:2115:cli_check_gsy
nc_present] 0-: geo-replication not installed
Connection failed. Please check if gluster daemon is operational.
[vagrant@centos1 ~]$ sudo gluster pool list
UUID                               Hostname      State
5bcc7ea3-0f1f-43b0-afd8-05a55707a63a centos2       Connected
a884e24e-2d09-4ddc-b1d3-04e08fb14843 localhost     Connected
[vagrant@centos1 ~]$
```

Creamos los sistemas de ficheros en las unidades /dev/sdb

```
[vagrant@centos1 ~]$ sudo gluster volume create glustervol1 replica 2 transport tcp c
entos1:/gluster/bricks/brick1/vol1 centos2:/gluster/bricks/brick1/vol1
Replica 2 volumes are prone to split-brain. Use Arbiter or Replica 3 to avoid this. S
ee: http://docs.gluster.org/en/latest/Administrator%20Guide/Split%20brain%20and%20ways%20to%20deal%20with%20it/.
Do you still want to continue?
(y/n) y
volume create: glustervol1: success: please start the volume to access data
[vagrant@centos1 ~]$ sudo gluster volume start glustervol1
volume start: glustervol1: success
[vagrant@centos1 ~]$
```

```
[vagrant@centos1 ~]$ sudo gluster volume info glustervol1

Volume Name: glustervol1
Type: Replicate
Volume ID: dfff22fb-52a7-41eb-af58-cef290b2c29d
Status: Started
Snapshot Count: 0
Number of Bricks: 1 x 2 = 2
Transport-type: tcp
Bricks:
Brick1: centos1:/gluster/bricks/brick1/vol1
Brick2: centos2:/gluster/bricks/brick1/vol1
Options Reconfigured:
cluster.granular-entry-heal: on
storage.fips-mode-rchecksum: on
transport.address-family: inet
nfs.disable: on
performance.client-io-threads: off
[vagrant@centos1 ~]$
```

IX) Instalación del cliente en Centos3

Creamos un directorio como punto de montaje

```
[vagrant@centos3 ~]$ sudo mkdir /gdatos1
mkdir: cannot create directory '/gdatos1': File exists
[vagrant@centos3 ~]$ sudo mount -t glusterfs centos1:/glustervol1 /gdatos1
[vagrant@centos3 ~]$
```

centos3

Comprobación

```
[vagrant@centos3 gdatos1]$ sudo mkdir directorio1
[vagrant@centos3 gdatos1]$ sudo touch fichero1
[vagrant@centos3 gdatos1]$ ls
directorio1  fichero1
[vagrant@centos3 gdatos1]$ exit
logout
Connection to 127.0.0.1 closed.
PS C:\Users\carne\Desktop\Facultad_pc\4\CPD\practica4\cpd5> vagrant ssh centos1
Last login: Sun Oct 16 17:49:46 2022 from 10.0.2.2
[vagrant@centos1 ~]$ sudo shutdown -h now
Connection to 127.0.0.1 closed by remote host.
Connection to 127.0.0.1 closed.
PS C:\Users\carne\Desktop\Facultad_pc\4\CPD\practica4\cpd5>
```

```
PS C:\Users\carne\Desktop\Facultad_pc\4\CPD\practica4\cpd5> vagrant ssh centos1
Last login: Sun Oct 16 18:05:36 2022 from 10.0.2.2
[vagrant@centos1 ~]$ cd /gluster/bricks/brick1/vol1
[vagrant@centos1 vol1]$ ls
directorio1 directorio2 fichero1 fichero2
[vagrant@centos1 vol1]$
```