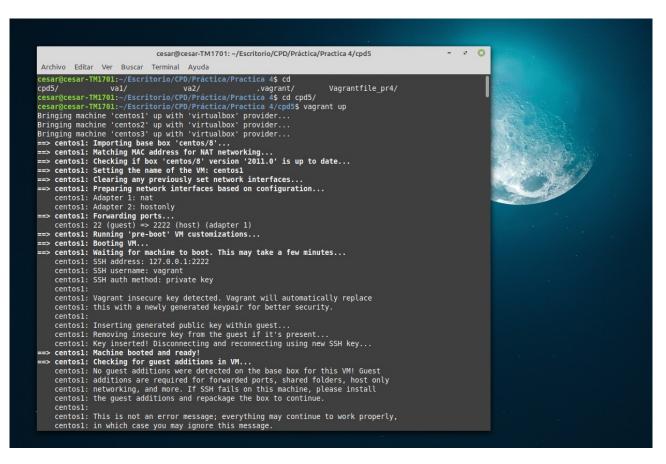
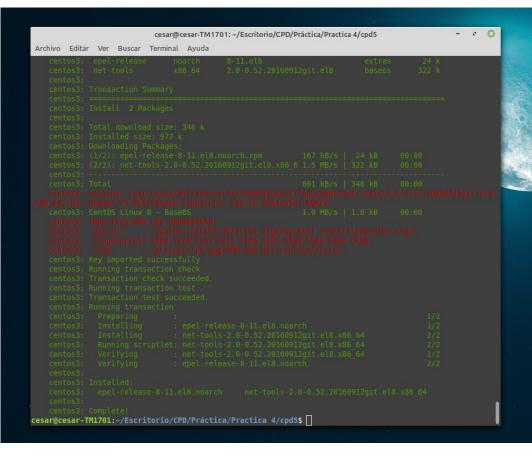
Practica 4

César Muñoz Reinoso







vagrant@centos1:~								
Archivo Editar Ver Buscar Terminal Ayuda								
<pre>cesar@cesar-TM1701:~/Escritorio/CPD/Práctica/Practica 4/cpd5\$ vagrant ssh centos1 [vagrant@centos1 ~]\$ dnf search centos-release-gluster Failed to set locale, defaulting to C.UTF-8</pre>								
CentOS Linux 8 - AppStream CentOS Linux 8 - BaseOS CentOS Linux 8 - Extras Extra Packages for Enterprise Linux Modu Extra Packages for Enterprise Linux 8	4. 1 95 5. lease-gluster ===		00:02 00:01 00:00 00:01 00:01					
centos-release-gluster7.noarch : Gluster 7 packages from the CentOS Storage SIG repository centos-release-gluster8.noarch : Gluster 8 packages from the CentOS Storage SIG repository centos-release-gluster9.noarch : Gluster 9 packages from the CentOS Storage SIG repository [vagrant@centos1 ~]\$ sudo dnf -y install centos-release-gluster9 Failed to set locale, defaulting to C.UTF-8 Extra Packages for Enterprise Linux Modular 8 - x86_64								
======================================	Architecture	Version	Repository	Size				
Installing: centos-release-gluster9 Installing dependencies:	noarch	1.0-1.el8	extras	9.3 k				
centos-release-storage-common	noarch	2-2.el8	extras	9.4 k				
Transaction Summary								
Install 2 Packages								
Total download size: 19 k Installed size: 2.4 k Downloading Packages: (1/2): centos-release-storage-common-2-2 (2/2): centos-release-gluster9-1.0-1.el8			4 kB/s 9.4 kB 3 kB/s 9.3 kB	00:00 00:00				
Total Running transaction check Transaction check succeeded.		3	4 kB/s 19 kB	00:00				

vagrant@centos1:~ - 0 3 Archivo Editar Ver Buscar Terminal Ayuda [vagrant@centos1 ~]\$ sudo dnf -y update Failed to set locale, defaulting to C.UTF-8 CentOS-8 - Gluster 9 Last metadata expiration check: 0:00:01 ago on Fri Oct 8 18:12:50 2021. Dependencies resolved. 44 kB/s | 50 kB 00:01 Package Arch Version Repository Size Installing: 5.9 M 36 M 28 M x86 64 4.18.0-305.19.1.el8_4 kernel kernel-core baseos x86_64 x86_64 4.18.0-305.19.1.el8_4 4.18.0-305.19.1.el8_4 baseos Upgrading: pgrading: NetworkManager NetworkManager-libnm NetworkManager-team NetworkManager-tui x86_64 x86_64 x86_64 1:1.30.0-10.el8_4 1:1.30.0-10.el8_4 1:1.30.0-10.el8_4 2.6 M 1.8 M 146 k 328 k 133 k 222 k 62 k 1.5 M 1.1 M baseos x86_64 x86_64 x86_64 1:1.30.0-10.el8_4 1.2.2-2.el8 1.2.2-2.el8 0.7-20.el8 authselect authselect-libs baseos baseos x86_64 x86_64 x86_64 avahi-libs bash bind-export-libs 4.4.20-1.el8_4 32:9.11.26-4.el8_4 baseos baseos x86 64 1.0.6-3.el8 323 k ca-certificates centos-gpg-keys centos-linux-release centos-linux-repos 2021.2.50-80.0.el8_4 1:8-3.el8 8.4-1.2105.el8 390 k 12 k 22 k 20 k 270 k 265 k 25 k 62 k 67 k noarch baseos noarch baseos 8-3.el8 3.5-2.el8 2.12-10.el8 noarch x86_64 baseos

1.11-17.20190603git.el8 20210209-1.gitbfb6bed.el8_3 20210209-1.gitbfb6bed.el8_3

7.61.1-18.el8 4.1 1:1.12.8-12.el8 4.2 1:1.12.8-12.el8_4.2 1:1.12.8-12.el8_4.2

1:1.12.8-12.el8_4.2 1:1.12.8-12.el8_4.2

x86 64

noarch

noarch

x86_64 x86_64

x86 64

noarch x86_64

x86_64 x86_64

crypto-policies

dbus-common dbus-daemon

dbus-libs

dbus-tools

crypto-policies-scripts cryptsetup-libs curl

baseos

470 k

351 k

41 k 46 k

240 k 184 k 85 k

		vagrant@centos1:~		- 0 🛇				
Archivo Editar Ver Buscar Termina								
[vagrant@centos1 ~]\$ sudo dnf -y install glusterfs glusterfs-cli glusterfs-libs glusterfs-server Failed to set locale, defaulting to C.UTF-8								
Failed to set locale, defaulting to C.UIF-8 Last metadata expiration check: 0:07:10 ago on Fri Oct 8 18:12:50 2021.								
Dependencies resolved.								
======================================	Arch	Version	Repository	Size				
Installing:								
glusterfs	x86 64	9.3-2.el8	centos-gluster9	691 k				
glusterfs-cli	x86 64	9.3-2.el8	centos-gluster9	215 k				
glusterfs-server	x86 64	9.3-2.el8	centos-gluster9	1.4 M				
Installing dependencies:								
attr	x86 64	2.4.48-3.el8	baseos	68 k				
checkpolicy	x86 64	2.9-1.el8	baseos	348 k				
device-mapper-event	x86 64	8:1.02.175-5.el8	baseos	269 k				
device-mapper-event-libs	x86 64	8:1.02.175-5.el8	baseos	269 k				
device-mapper-persistent-data	x86 64	0.8.5-4.el8	baseos	468 k				
glusterfs-client-xlators	x86_64	9.3-2.el8	centos-gluster9	904 k				
glusterfs-fuse	x86_64	9.3-2.el8	centos-gluster9	172 k				
glusterfs-selinux	noarch	2.0.1-1.el8	centos-gluster9	30 k				
libaio	x86_64	0.3.112-1.el8	baseos	33 k				
libgfapi0	x86 64	9.3-2.el8	centos-gluster9	126 k				
libgfchangelog0	x86_64	9.3-2.el8	centos-gluster9	68 k				
libgfrpc0	x86_64	9.3-2.el8	centos-gluster9	90 k				
libgfxdr0	x86_64	9.3-2.el8	centos-gluster9	62 k				
libglusterd0	x86_64	9.3-2.el8	centos-gluster9	45 k				
libglusterfs0	x86_64	9.3-2.el8	centos-gluster9	353 k				
liburing	x86_64	1.0.7-3.el8	appstream	24 k				
lvm2	x86_64	8:2.03.11-5.el8	baseos	1.6 M				
lvm2-libs	x86_64	8:2.03.11-5.el8	baseos	1.1 M				
policycoreutils-python-utils	noarch	2.9-14.el8	baseos	252 k				
psmisc	x86_64	23.1-5.el8	baseos	151 k				
python3-audit	x86_64	3.0-0.17.20191104git1c2f876.el8	baseos	86 k				
python3-libsemanage	x86_64	2.9-6.el8	baseos	127 k				
python3-policycoreutils	noarch	2.9-14.el8	baseos	2.2 M				
python3-pyxattr	x86_64	0.5.3-18.el8	centos-gluster9	35 k				
python3-setools	x86_64	4.3.0-2.el8	baseos	626 k				
userspace-rcu	x86_64	0.10.1-4.el8	baseos	101 k				



```
[vagrant@centos1 ~]$ sudo systemctl start firewalld.service
[vagrant@centos1 ~]$ sudo systemctl restart firewalld
[vagrant@centos1 ~]$ sudo systemctl enable firewalld
Created symlink /etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service → /usr/lib/systemd/system/firewalld.service.
Created symlink /etc/systemd/system/multi-user.target.wants/firewalld.service → /usr/lib/systemd/system/firewalld.service.
```

```
[vagrant@centos1 ~]$ sudo firewall-cmd --add-service=glusterfs --permanent
success
[vagrant@centos1 ~]$ sudo firewall-cmd --reload
success
```

```
[vagrant@centos3 ~]$ sudo gluster peer probe centos2
peer probe: success
```

```
[vagrant@centos3 ~]$ sudo gluster peer probe centos1
peer probe: success
[vagrant@centos3 ~]$ sudo gluster peer status
Number of Peers: 1

Hostname: centos1
Juid: 8dccedca-47a9-4c9b-a206-49545756276c
State: Peer in Cluster (Connected)
[vagrant@centos3 ~]$ sudo gluster peer detach centos1
All clients mounted through the peer which is getting detached need to be remounted using one of the other active peer s 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 ~]$ sudo fdisk /dev/sdb

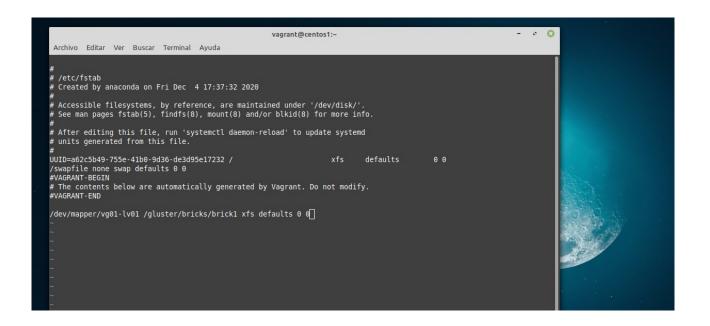
Welcome to fdisk (util-linux 2.32.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

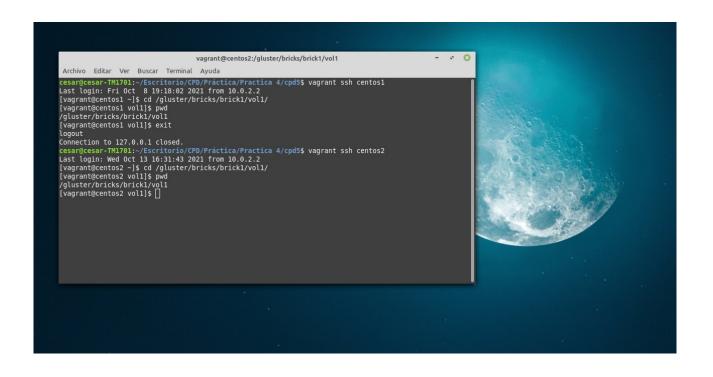
Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x58723a07.

Command (m for help): n
Partition type
p primary (0 primary, 0 extended, 4 free)
e extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1): 1
First sector (2048-20971519, default 2048):
Last sector, +sectors or +size{K,M,G,T,P} (2048-20971519, default 20971519):
Created a new partition 1 of type 'Linux' and of size 10 GiB.

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.
```



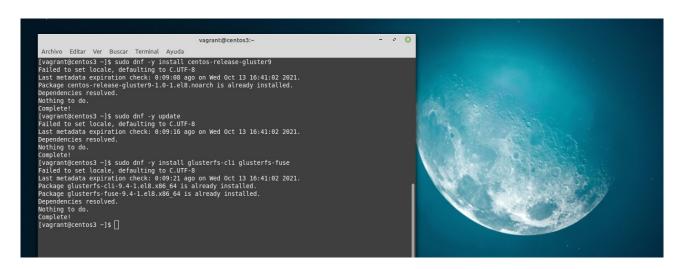


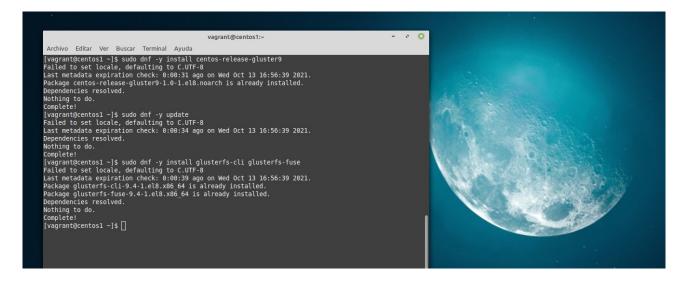
[vagrant@centos1 -]\$ sudo gluster volume create glustervoll replica 2 transport tcp centos1:/gluster/b ricks/brick1/voll centos2:/gluster/bricks/brick1/voll Replica 2 volumes are prone to split-brain. Use Arbiter or Replica 3 to avoid this. See: http://docs.g luster.org/en/latest/Administrator%20Guide/Split%20brain%20and%20ways%20to%20deal%20with%20it/.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



[vagrant@centos1 -]\$ sudo gluster volume start glustervol1
volume start: glustervol1: success
[vagrant@centos1 -]\$ sudo gluster volume info glustervol1

Volume Name: glustervol1
Type: Replicate
Volume ID: 0f8le5e7-85c6-46e3-bd61-d6c78f499813
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 -]\$ []





```
Vagrant@centos2:~

Archivo Editar Ver Buscar Terminal Ayuda

[Vagrant@centos2 -]$ sudo dnf -y install centos-release-gluster9

Falled to set locale, defaulting to C.UTF-8

Last metadata expiration check: 8:80:36 ago on Wed Oct 13 16:57:51 2021.

Package centos-release-gluster9-1.0-1.el8.noarch is already installed.

Dependencies resolved.

Nothing to do.

Complete!

[Vagrant@centos2 ~]$ sudo dnf -y update

Falled to set locale, defaulting to C.UTF-8

Last metadata expiration check: 8:80:39 ago on Wed Oct 13 16:57:51 2021.

Dependencies resolved.

Nothing to do.

Complete!

[Vagrant@centos2 ~]$ sudo dnf -y install glusterfs-fuse

Falled to set locale, defaulting to C.UTF-8

Last metadata expiration check: 8:80:42 ago on Wed Oct 13 16:57:51 2021.

Package glusterfs-cli-9.4-1.el8.x86 64 is already installed.

Package glusterfs-Guse-9.4-1.el8.x86 64 is already installed.

Nothing to do.

Complete!

[Vagrant@centos2 ~]$ □
```

```
vagrant@centos3 gdatos1]$ sudo mkdir dirl dir2 dir3
[vagrant@centos3 gdatos1]$ sudo mkdir dirl dir2 dir3
[vagrant@centos3 gdatos1]$ sudo touch dir1/ar1 dir2/ar2 dir3/ar3
[vagrant@centos3 gdatos1]$ exit
logout
Connection to 127.0.0.1 closed.
cesar@cesar-TM1701:-/Escritorio/CPD/Práctica/Practica 4/cpd5$ vagrant ssh centos1
Last login: Wed Oct 13 17:09:35 2021 from 10.0.2.2
[vagrant@centos1 -]$ shutdown -h now
Failed to set wall message, ignoring: Interactive authentication required.
Failed to power off system via logind: Interactive authentication required.
Failed to power off system via logind: Interactive authentication required.
Failed to talk to init daemon.
[vagrant@centos1 -]$ sudo shutdown -h now
Connection to 127.0.0.1 closed by remote host.
Connection to 127.0.0.1 closed by remote host.
Connection to 127.0.0.1 closed.
cesar@cesar-TM1701:-/Escritorio/CPD/Práctica/Practica 4/cpd5$ vagrant ssh centos3
Last login: Wed Oct 13 17:11:14 2021 from 10.0.2.2
[vagrant@centos3 -]$ touch /gdatos1/nuevoar
touch: cannot touch '/gdatos1/nuevoar': Permission denied
[vagrant@centos3 -]$ touch /gdatos1/nuevoar': Permission denied
[vagrant@centos3 -]$ buch /gdatos1/nuevoar': Permission denied
[vagrant@centos3 -]$ buch /gdatos1/nuevoar': Permission denied
[vagrant@centos3 -]$ buch /gdatos1/nuevoar': Permission denied
```

```
Gesargeesar-M1/01:-/Escritorio/CPU/Practica/Practica 4/Cpds vagrant up

Bringing machine 'Centos1' up with 'Virtualbox' provider...

Bringing machine 'Centos2' up with 'Virtualbox' provider...

Seriosi. Checking if Now 'Centos4' version 'Zoll.o' is up to date...

Sentos1. Clearing any previously set retwork interfaces...

Centos1. Clearing previously set retwork interfaces...

Centos1. Adapter 1: nostoly

Centos1. Forwarding ports...

Sentos1. Forwarding ports...

Centos1. Forwarding ports...

Centos1. Safety ports...

Centos1. Sid audines 1270.08.12222

Centos1. SSH submentor yrivate key

Centos1. SSH audines 1270.08.12222

Centos1. SSH audines 1270.08.12222

Centos1. SSH audines Contact for Safety forwarded ports, shared folders, host only centos1. Incharing and more. If SSH falls on this machine, please install centos1. Set in the Contact for Safety falls on this machine, please install centos1. Set in thick case you may ignore this message.

Centos1. Set in which case you may ignore this message.

Centos1. Set in which case you may ignore this message. Centos1. Setting hostname...

Centos1. In which case you may ignore this message. Centos1. In which case you may ignore this message.

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Centos1. In which case you may ignore this message.

Centos1. In which case you may ignore this message.

Centos1. Setting hostname...

Centos2. Rapto host and repart message are well and the way are not well and the centor of the
```

cesar@cesar-TM1701:~/Escritorio/CPD/Práctica/Practica 4/cpd5\$ vagrant ssh centosl
Last login: Wed Oct 13 17:15:28 2021 from 10.0.2.2
[vagrant@centos1 ~]\$ ls /gluster/bricks/brick1/vol1/
dirl dir2 dir3 nuevoar
[vagrant@centos1 ~]\$ [