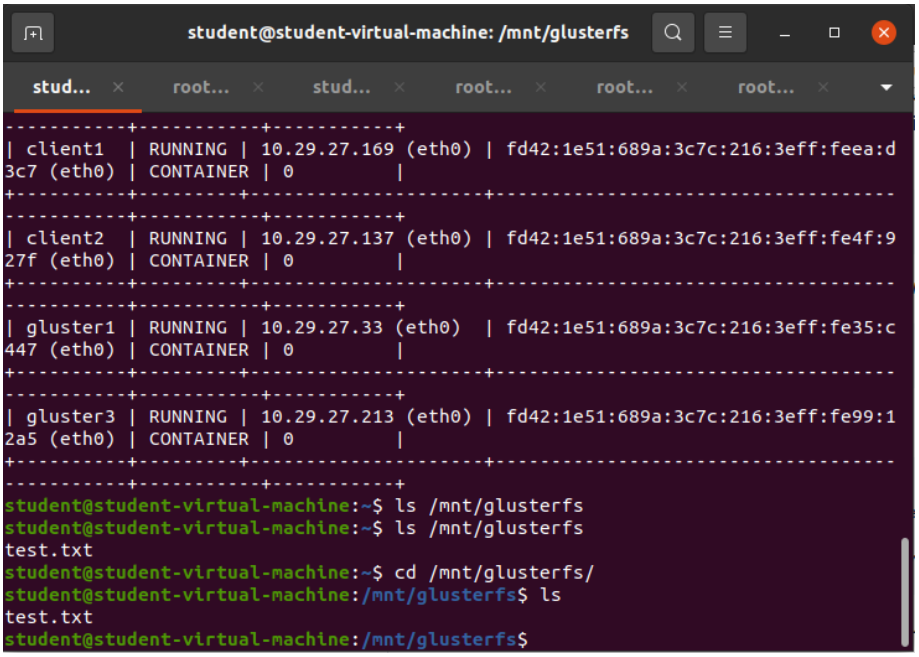
Lab 6: Red Hat Gluster

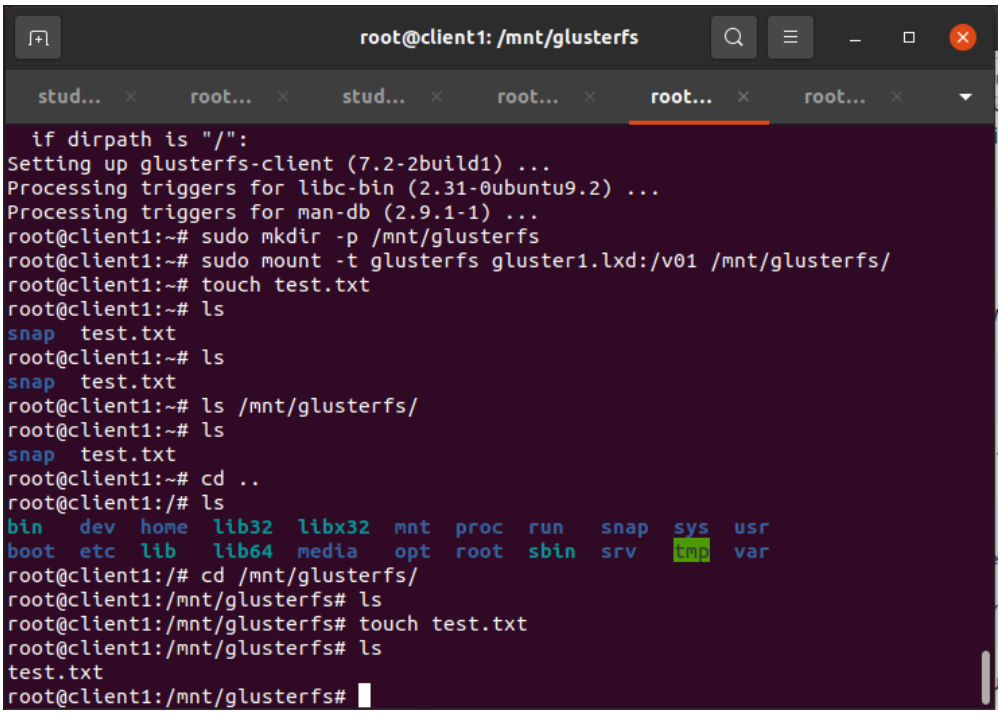
Student: Bryan Van Huyneghem

1. Complete the tutorial

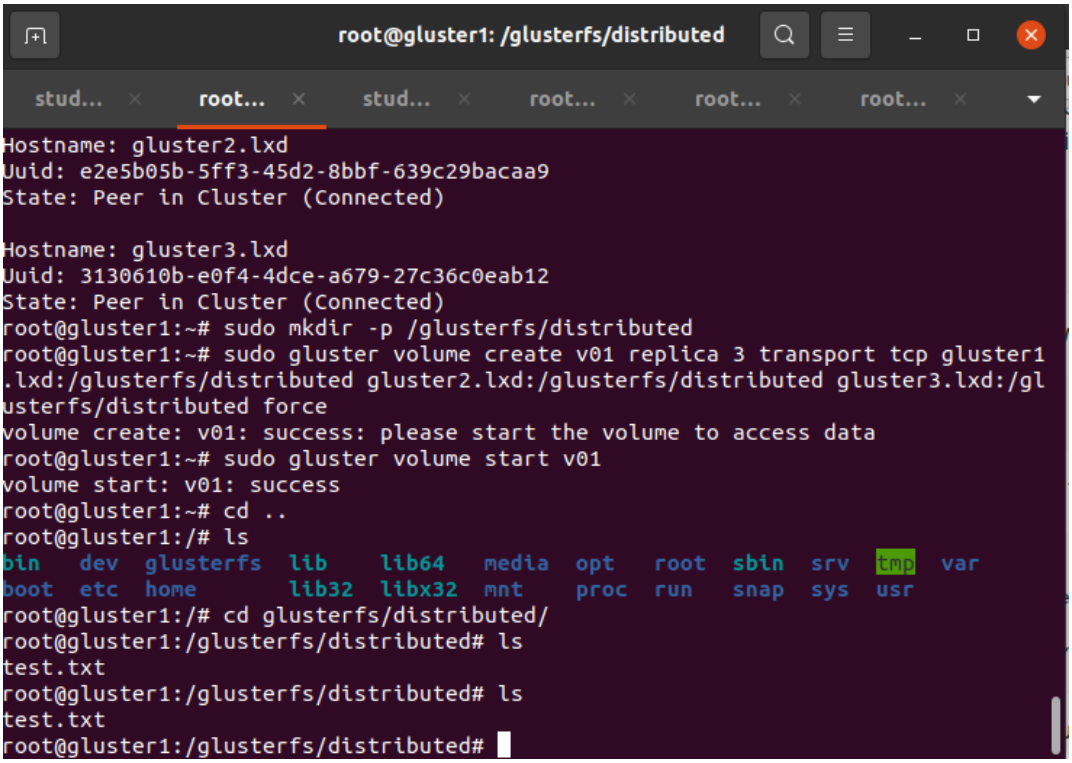
The gluster directory on the **host**:



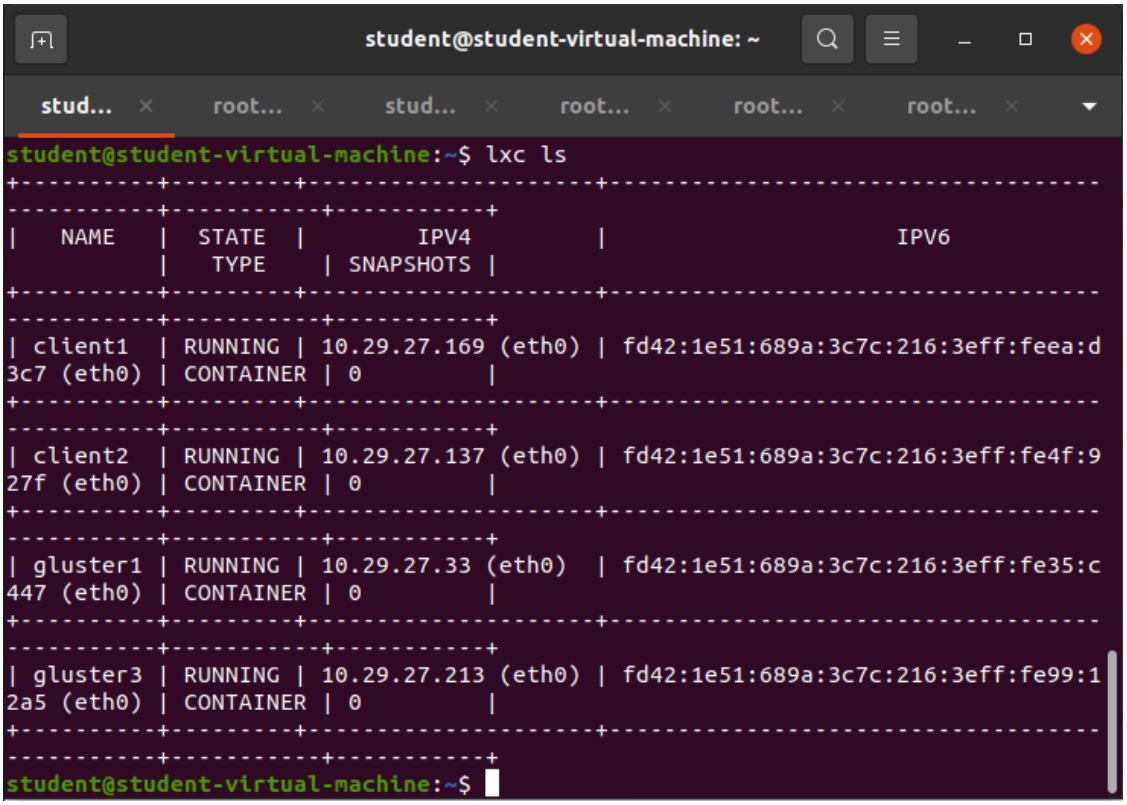
The gluster directory on **client1**:



The gluster directory on **gluster1**:



Screenshot of the output of the command **lxc ls** on the host:

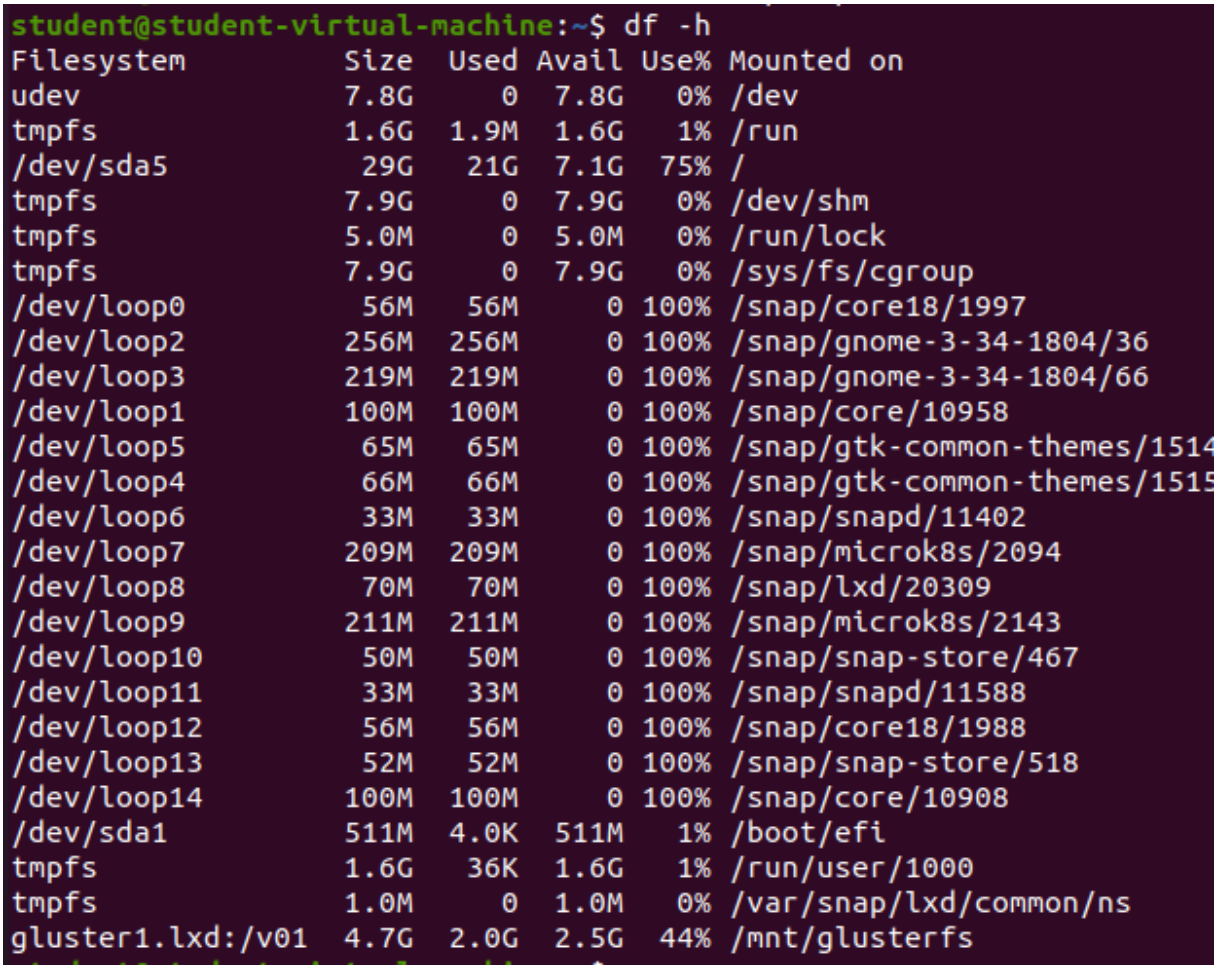


Indeed, we see both clients and the two glusters (gluster2 was deleted per request).

2. **Permanently mount the file system**

Execute the following steps:

1. We execute the following command on the host: **sudo vi /etc/fstab**
2. Add the following line to the /etc/fstab file to permanently mount the file system:
   gluster1.lxd:/v01 /mnt/glusterfs glusterfs defaults,_netdev 0 0
   Indeed, we see the file system is mounted (last one):



```
student@student-virtual-machine:~$ df -h
Filesystem          Size  Used Avail Use% Mounted on
udev                7.8G     0  7.8G   0% /dev
tmpfs               1.6G  1.9M  1.6G   1% /run
/dev/sda5            29G   21G  7.1G  75% /
tmpfs               7.9G     0  7.9G   0% /dev/shm
tmpfs               5.0M     0  5.0M   0% /run/lock
tmpfs               7.9G     0  7.9G   0% /sys/fs/cgroup
/dev/loop0           56M   56M     0 100% /snap/core18/1997
/dev/loop2          256M  256M     0 100% /snap/gnome-3-34-1804/36
/dev/loop3          219M  219M     0 100% /snap/gnome-3-34-1804/66
/dev/loop1          100M  100M     0 100% /snap/core/10958
/dev/loop5           65M   65M     0 100% /snap/gtk-common-themes/1514
/dev/loop4           66M   66M     0 100% /snap/gtk-common-themes/1515
/dev/loop6           33M   33M     0 100% /snap/snapd/11402
/dev/loop7          209M  209M     0 100% /snap/microk8s/2094
/dev/loop8           70M   70M     0 100% /snap/lxd/20309
/dev/loop9          211M  211M     0 100% /snap/microk8s/2143
/dev/loop10          50M   50M     0 100% /snap/snap-store/467
/dev/loop11          33M   33M     0 100% /snap/snapd/11588
/dev/loop12          56M   56M     0 100% /snap/core18/1988
/dev/loop13          52M   52M     0 100% /snap/snap-store/518
/dev/loop14         100M  100M     0 100% /snap/core/10908
/dev/sda1           511M  4.0K  511M   1% /boot/efi
tmpfs               1.6G   36K  1.6G   1% /run/user/1000
tmpfs               1.0M     0  1.0M   0% /var/snap/lxd/common/ns
gluster1.lxd:/v01   4.7G  2.0G  2.5G  44% /mnt/glusterfs
```

3. Reboot
4. **df -h**
   However now /mnt/glusterfs is no longer present. I tried solving this problem by trying to add the following to fstab, per https://serverfault.com/questions/800494/glusterfs-mount-on-boot-on-clustered-servers-rhel-7/823582#823582:
   gluster1.lxd:/v01 /mnt/glusterfs glusterfs defaults,_netdev, noauto, x-systemd.automount 0 0

   This also did not solve the problem. The error logs did show that it failed to mount, but I don't know how to solve this issue.