

Assignment: Lab 13: Advanced Storage Management

The mount is persistent

```
root@rhel01:~  
File Edit View Search Terminal Help  
[root@rhel01 ~]# cat /etc/fstab  
  
#  
# /etc/fstab  
# Created by anaconda on Sun Mar 27 13:12:15 2022  
#  
# Accessible filesystems, by reference, are maintained under '/dev/disk/'.  
# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info.  
#  
# After editing this file, run 'systemctl daemon-reload' to update systemd  
# units generated from this file.  
#  
/dev/mapper/rhel_rhel01-root / xfs defaults 0 0  
UUID=f9899cd9-6a35-4ee0-ad5d-bb1ffd956a61 /boot xfs defaults 0 0  
/dev/mapper/rhel_rhel01-swap none swap defaults 0 0  
UUID=83c964d5-7784-4a28-96da-a1f768a086c3 /lab12_mount xfs defaults 0 0  
UUID=55898db0-4117-4fa9-8b16-39ec531a58d1 none swap pri=5 0 0  
UUID=3549f717-8f6f-467d-87c3-f89046031651 /lvm volume ext4 defaults 0 0  
[root@rhel01 ~]#
```

Return 1:

```
manish@rhel01:/etc  
File Edit View Search Terminal Help  
[manish@rhel01 etc]$ lsblk  
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT  
sr0 11:0 1 1024M 0 rom  
nvme0n1 259:0 0 20G 0 disk  
├─nvme0n1p1 259:1 0 1G 0 part /boot  
├─nvme0n1p2 259:2 0 19G 0 part  
│ └─rhel_rhel01-root 253:0 0 17G 0 lvm /  
│ └─rhel_rhel01-swap 253:1 0 2G 0 lvm [SWAP]  
nvme0n2 259:3 0 3G 0 disk  
├─nvme0n2p1 259:5 0 976M 0 part /lab12_mount  
└─nvme0n2p2 259:6 0 975.6M 0 part  
nvme0n3 259:4 0 5G 0 disk  
└─labvdo 253:2 0 10G 0 vdo  
└─vdovg01-vdolvol1 253:3 0 10G 0 lvm /lvm volume  
[manish@rhel01 etc]$
```

Return 2:

```
manish@rhel01:/etc
File Edit View Search Terminal Help
[manish@rhel01 etc]$ sudo lvs
[sudo] password for manish:
LV      VG      Attr      LSize   Pool Origin Data%  Meta%  Move Log Cpy%Sync Convert
root    rhel_rhel01 -wi-ao---- <17.00g
swap    rhel_rhel01 -wi-ao---- 2.00g
vdolv01 vdovg01 -wi-ao---- <10.00g
[manish@rhel01 etc]$
```

Return 3:

Here I tried deleting the files and copy them again. Somehow the vdostats shows full usage of the device. Anyway, I had managed to do as demonstrated in the lab help video. But after deletion, created one more file and it did not allow me to create another one anymore.

The deduplication had worked. It consumed only space of 1Gb even after copying two different files with same contents there.

```
root@rhel01:/lvm_volume
File Edit View Search Terminal Help
[root@rhel01 lvm_volume]# df -h /lvm_volume
Filesystem                Size      Used Avail Use% Mounted on
/dev/mapper/vdovg01-vdolv01 9.8G      1.1G    8.3G   12% /lvm_volume
[root@rhel01 lvm_volume]# vdostats --hu
Device                Size      Used Available Use% Space saving%
/dev/mapper/labvdo     5.0G      5.0G      0.0B   100%      37%
[root@rhel01 lvm_volume]#
```