Disk Partitioning

Create partition on newly attached disk as per below instructions –

- a) Create 2 primary partitions of 3 GB each
- b) Create 2 logical partitions of 6 GB each

Isblk

sudo fdisk /dev/xvdb

Isblk

sudo mkfs.ext4 /dev/xvdb1 sudo mkfs.ext4 /dev/xvdb2 sudo mkfs.ext4 /dev/xvdb5

sudo mkfs.ext4 /dev/xvdb6

sudo mkdir /Data1 /Data2 /Data3 /Data4

sudo mount /dev/xvdb1 /Data1 sudo mount /dev/xvdb2 /Data2 sudo mount /dev/xvdb5 /Data3 sudo mount /dev/xvdb6 /Data4

```
ubuntu@ip-172-31-4-158:~$ lsblk
NAME
         MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
           7:0
                   0 25.2M
                            1 loop /snap/amazon-ssm-agent/7993
loop0
                            1 loop /snap/snapd/21759
loop1
                  0 38.8M
                  0 55.7M
                            1 loop /snap/core18/2829
loop2
         202:0
                   0
                        8G
                            0 disk
cvda
 -xvda1
         202:1
                   0
                        7G
                            0 part /
         202:14
 -xvda14
                   0
                        4M
                            0 part
 -xvda15
         202:15
                   0
                      106M
                            0 part /boot/efi
                      913M
 -xvda16 259:0
                   0
                            0 part /boot
vdb
         202:16
                   0
                       20G
                            0 disk
                        3G
 -xvdb1
         202:17
                   0
                            0 part /Data1
 -xvdb2
                        3G
         202:18
                   0
                            0 part /Data2
                            0 part
 -xvdb3
         202:19
                   0
                        1K
 -xvdb5
         202:21
                   0
                        6G
                            0 part /Data3
 -xvdb6
         202:22
                   0
                        6G
                            0 part /Data4
| 4-158:~$|ubuntu@ip-172-31-4-158
```

```
ubuntu@ip-172-31-4-158:~$ df -h
                  Size
                        Used Avail Use% Mounted on
ilesystem
/dev/root
                  6.8G
                        1.6G
                               5.2G
                                      24% /
                                       0% /dev/shm
1% /run
tmpfs
                  479M
                               479M
                           0
                  192M
tmpfs
                        892K
                               191M
                                       0% /run/lock
                  5.0M
                               5.0M
tmpfs
                            0
/dev/xvda16
                  881M
                          76M
                                744M
                                      10% /boot
                                99M
                                       6% /boot/efi
/dev/xvda15
                  105M
                         6.1M
tmpfs
                                96M
                                       1% /run/user/1000
                   96M
                          12K
/dev/xvdb1
/dev/xvdb2
/dev/xvdb5
                  2.9G
                          24K
                               2.8G
                                       1% /Data1
                  2.9G
                          24K
                               2.8G
                                       1% /Data2
                          24K
                               5.6G
                  5.9G
                                       1% /Data3
/dev/xvdb6
                  5.9G
                               5.6G
                                       1% /Data4
                          24K
ubuntu@ip-172-31-4-158:~$ sudo umount /Data1
```

After umount:

sudo umount /Data1

sudo umount /Data2

sudo umount /Data3

sudo umount /Data4

```
ubuntu@ip-172-31-4-158:~$ lsblk
NAME
         MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
0qoof
            7:0
                   0.25.2M
                             1 loop /snap/amazon-ssm-agent/7993
            7:1
                             1 loop /snap/snapd/21759
loop1
                   0 38.8M
                             1 loop /snap/core18/2829
            7:2
                     55.7M
loop2
                   0
         202:0
xvda
                   0
                         8G
                             0 disk
                             0 part /
          202:1
                   0
                         7G
 -xvda1
 -xvda14 202:14
                   0
                         4M
                             0 part
 -xvda15 202:15
                   0
                       106M
                             0 part /boot/efi
                       913M
 -xvda16 259:0
                             0 part /boot
                   0
xvdb
          202:16
                   0
                        20G
                             0 disk
          202:17
 -xvdb1
                   0
                         3G
                             0 part
          202:18
  -xvdb2
                   0
                         3G
                             0 part
 -xvdb3
          202:19
                   0
                         1K
                             0 part
 -xvdb5
         202:21
                   0
                         6G
                             0 part
          202:22
 -xvdb6
                   0
                         6G
                             0 part
ubuntu@ip-172-31-4-158:~$
```