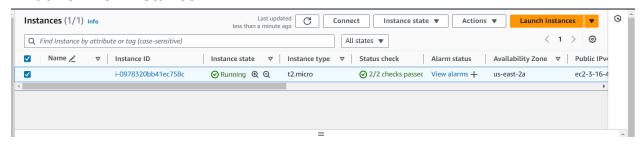
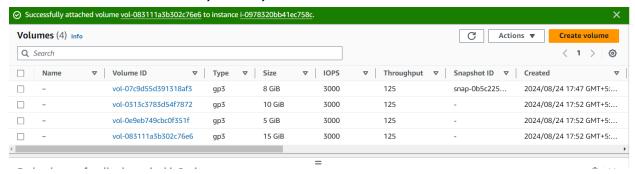
How to Create LVM Step-By-Step AWS Linux

1-Launch Ec2 Instance



2-Create a volume 15GB, 20GB, 25GB and attach the instance



3-Here you can see not attached the EBS volumes.

```
sh-5.2$ sudo su -
[root@ip-192-168-1-32 ~]# df -h
Filesystem
               Size Used Avail Use% Mounted on
devtmpfs
                4.0M
                            4.0M
                                   0% /dev
                                   0% /dev/shm
tmpfs
                475M
                            475M
                         0
tmpfs
                190M
                      456K
                            190M
                                   1% /run
/dev/xvda1
                                  20% /
                8.0G
                      1.6G
                            6.5G
tmpfs
                475M
                            475M
                                   0% /tmp
/dev/xvda128
                 10M
                      1.3M
                            8.7M
                                  13% /boot/efi
tmpfs
                 95M
                             95M
                                   0% /run/user/0
                         0
[root@ip-192-168-1-32 ~]#
```

4-Using this command you will see Lsblk

```
[root@ip-192-168-1-32 ~] # lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS

xvda 202:0 0 8G 0 disk

-xvda1 202:1 0 8G 0 part /

-xvda127 259:0 0 1M 0 part

-xvda128 259:1 0 10M 0 part /boot/efi

xvdb 202:13568 0 10G 0 disk

xvdb 202:13824 0 5G 0 disk

xvdb 202:14080 0 15G 0 disk

[root@ip-192-168-1-32 ~] #
```

5-Now install IVM

```
Installed:
device-mapper-devel-1.02.185-1.amzn2023.0.5.x86_64
device-mapper-event-devel-1.02.185-1.amzn2023.0.5.x86_64
device-mapper-event-devel-1.02.185-1.amzn2023.0.5.x86_64
device-mapper-event-libs-1.02.185-1.amzn2023.0.5.x86_64
device-mapper-event-libs-1.02.185-1.amzn2023.0.5.x86_64
device-mapper-event-libs-1.02.185-1.amzn2023.0.5.x86_64
libselinux-devel-3.4-5.amzn2023.0.2.x86_64
libselinux-devel-3.4-5.amzn2023.0.3.x86_64
lvm2-devel-2.03.16-1.amzn2023.0.5.x86_64
lvm2-devel-2.03.16-1.amzn2023.0.5.x86_64
lvm2-lockd-2.03.16-1.amzn2023.0.5.x86_64
lvm2-testsuite-2.03.16-1.amzn2023.0.5.x86_64
pcre2-devel-10.40-1.amzn2023.0.3.x86_64
pcre2-utf32-10.40-1.amzn2023.0.3.x86_64
python3-gobject-base-noarch-3.42.2-2.amzn2023.0.3.x86_64
python3-gobject-base-3.42.2-2.amzn2023.0.3.x86_64
python3-gobject-base-3.42.2-2.amzn2023.0.3.x86_64
python3-gobject-base-3.42.2-2.amzn2023.0.3.x86_64
python3-gobject-base-3.42.2-2.amzn2023.0.3.x86_64
complete!
[root@ip-192-168-1-32 ~] # yum install lvm* -y
```

6-check LVM is there

Session ID: root-pumrp347crw7gnzyco5pliucwm

Instance ID: i-0978320bb41ec758c

```
[root@ip-192-168-1-32 ~]# lvm
.vm>
```

7-create pv volumes

8-list pv volumes

Session ID: root-pumrp347crw7gnzyco5pliucwm

Instance ID: i-0978320bb41ec758c

You can use pvdisplay also

9-create virtual volumes anji folder into 30gb all there like /dev/xvdbb 10GB and /dev/xvdbc 5GB and /dev/xvdbd 15GB

```
[root@ip-192-168-1-32 ~]# vgcreate anji /dev/xvdbb /dev/sdbb
/dev/sdbb /dev/sdbc /dev/sdbd
[root@ip-192-168-1-32 ~]# vgcreate anji /dev/sdbb /dev/sdbc /dev/sdbd
Volume group "anji" successfully created
[root@ip-192-168-1-32 ~]# 
VG #PV #LV #SN Attr VSize VFree
anji 3 0 0 wz--n- <29.99g <29.99g
[root@ip-192-168-1-32 ~]#</pre>
```

10-Now create LVM volumes into Vinod and Sampi

```
[root@ip-192-168-1-32 ~]# lvcreate -L +20G -n vinod anji
Logical volume "vinod" created.
[root@ip-192-168-1-32 ~]# lvcreate -L +9G -n sampi anji
Logical volume "sampi" created.
[root@ip-192-168-1-32 ~]#
```

```
[root@ip-192-168-1-32 ~] # mkfs.ext4 /dev/anji/vinod
 mke2fs 1.46.5 (30-Dec-2021)
 creating filesystem with 5242880 4k blocks and 1310720 inodes
Filesystem UUID: 8c6fd4da-0f01-40e8-a0a3-5fa3d4f357ce Superblock backups stored on blocks:
          32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208, 4096000
Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done
[root@ip-192-168-1-32 ~] # mkfs.ext4 /dev/anji/sampi
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 2359296 4k blocks and 589824 inodes
Filesystem UUID: 823a130d-05ac-4ce9-9410-b114c9023fa7
Superblock backups stored on blocks:
         32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632
Allocating group tables: done Writing inode tables: done
 Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done
[root@ip-192-168-1-32 ~]#
```

```
[root@ip-192-168-1-32 ~]# mkdir vinod
[root@ip-192-168-1-32 ~]# mkdir sampi
[root@ip-192-168-1-32 ~]# 11
total 0
drwxr-xr-x. 2 root root 6 Aug 24 12:39 sampi
drwxr-xr-x. 2 root root 6 Aug 24 12:39 vinod
[root@ip-192-168-1-32 ~]#
```

```
[root@ip-192-168-1-32 /]# sudo mount /dev/anji/vinod /vinod
[root@ip-192-168-1-32 /]# sudo mount /dev/anji/sampi /sampi
[root@ip-192-168-1-32 /]#
```

Cat /etc/mtab

```
/dev/xvda15 /boot/efi vfat rw,relatime,fmask=0077,dmask=0077,codepage=437,iocharset=iso8859-1,shortname=mixed,errors=remount-ro 0 0 binfmt misc /proc/sys/fs/binfmt misc binfmt misc rw,nosuid,nodev,noexec,relatime 0 0 tmpfs /run/user/0 tmpfs rw,nosuid,nodev,relatime,size=98040k,nr_inodes=24510,mode=700,inode64 0 0 /dev/mapper/anji-vinod /root/vinod xfs rw,relatime,attr2,inode64,logbufs=8,logbsize=32k,noquota 0 0 /dev/mapper/anji-sampi /root/sampi xfs rw,relatime,attr2,inode64,logbufs=8,logbsize=32k,noquota 0 0 root@ip-10-1-2-52:~# cat /etc/mtab
```

Now add into vi /etc/fstab

```
[root@ip-192-168-1-32 /]# cat /etc/fstab #

UUID=aac19826-060d-43e9-a76d-4d9cae6ea783 / xfs defaults,noatime 1 1

UUID=78B3-5976 /boot/efi vfat defaults,noatime,uid=0,gid=0,umask=0077,shortname=winnt,x-systemd.automount 0 2

[root@ip-192-168-1-32 /]# cat /etc/fstab |

#

UUID=aac19826-060d-43e9-a76d-4d9cae6ea783 / xfs defaults,noatime 1 1

UUID=78B3-5976 /boot/efi vfat defaults,noatime,uid=0,gid=0,umask=0077,shortname=winnt,x-systemd.automount 0 2

/dev/anji/vinod /vinod ext4 defaults 0 0

/dev/anji/sampi /sampi ext4 defaults 0 0

[root@ip-192-168-1-32 /]# |
```

```
[root@ip-192-168-1-32 /]# df -h
Filesystem
                       Size Used Avail Use% Mounted on
devtmpfs
                       4.0M
                               0 4.0M
                                           0% /dev
tmpfs
                       475M
                               12K 475M
                                           1% /dev/shm
tmpfs
                       190M 476K
                                   190M
                                          1% /run
                      8.0G
/dev/xvda1
                              1.6G 6.4G
                                          20% /
                              0 475M
                                          0% /tmp
tmpfs
                       475M
/dev/xvda128
                        10M
                              1.3M 8.7M
                                          13% /boot/efi
tmpfs
                         95M
                              0
                                    95M
                                          0% /run/user/0
/dev/mapper/anji-vinod 20G
/dev/mapper/anji-sampi 8.8G
                               24K
                                    19G
                                           1% /vinod
                                          1% /sampi
                               24K 8.3G
[root@ip-192-168-1-32 /]#
```

Now my manager come and say increate 5GB to 25GB and use that 20GB extra in Vinod folder

```
[root@ip-192-168-1-32 /]# lvs
         VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert
   sampi anji -wi-ao--- 9.00g
   vinod anji -wi-ao--- 20.00g
[root@ip-192-168-1-32 /]# df -h
                       4.0M
Filesystem
                               Size Used Avail Use% Mounted on
                                        0 4.0M 0% /dev
devtmpfs
tmpfs
                             475M
                                      12K 475M
                                                       1% /dev/shm
                             190M 476K 190M
tmpfs
                                                       1% /run
                            8.0G 1.6G 6.4G 20% /
475M 0 475M 0* /+
/dev/xvda1
                                                        0% /tmp
tmpfs
/dev/xvda128
                                10M 1.3M 8.7M
                                                       13% /boot/efi
tmpfs
                                95M
                                               95M
                                                       0% /run/user/0
/dev/mapper/anji-vinod 20G 24K 19G
/dev/mapper/anji-sampi 8.8G 24K 8.3G
                                                        1% /vinod
                                                       1% /sampi
[root@ip-192-168-1-32 /]# lsblk
NAME
                 MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
xvda 202:0 0 8G 0 disk
|-xvda1 202:1 0 8G 0 part /
|-xvda127 259:0 0 1M 0 part
|-xvda128 259:1 0 10M 0 part /boot/efi
xvdbb 202:13568 0 10G 0 disk
|-anji-vinod 253:0 0 20G 0 lvm /vinod
|-anji-sampi 253:1 0 9G 0 lvm /sampi
xvdbc 202:13824 0 25G 0 disk

Lanji-sampi 253:1 0 9G 0 lvm /sampi
xvdbc
xvdbd 202:14080 0 15G 0 disk

Lanji-vinod 253:0 0 20G 0 lvm /vinod
[root@ip-192-168-1-32 /]#
```

```
[root@ip-192-168-1-32 /]# pvdisplay
  --- Physical volume
 PV Name
                        /dev/sdbb
 VG Name
                        anji
                        10.00 GiB / not usable 4.00 MiB
 PV Size
 Allocatable
                        yes
 PE Size
                        4.00 MiB
 Total PE
                        2559
 Free PE
 Allocated PE
                        2306
 PV UUID
                        bUdEyD-WaDD-WURy-cPAM-lzgP-psOX-4fICfF
  --- Physical volume ---
 PV Name
                        /dev/sdbc
 VG Name
                        anji
                        5.00 GiB / not usable 4.00 MiB yes (but full)
 PV Size
 Allocatable
 PE Size
                        4.00 MiB
 Total PE
 Free PE
 Allocated PE
 PV UUID
                        fKt4MK-swFU-b28V-N6du-6u7E-TLZ6-CtcxuH
   -- Physical volume --
 PV Name
                        /dev/sdbd
 VG Name
                        anji
                        15.00 GiB / not usable 4.00 MiB
 PV Size
 Allocatable
                        yes (but full)
 PE Size
                        4.00 MiB
                        3839
 Total PE
```

```
PV Name
                      /dev/sdbb
VG Name
                      anji
                      10.00 GiB / not usable 4.00 MiB
PV Size
Allocatable
                      yes
                      4.00 MiB
PE Size
Total PE
                      2559
Free PE
                      253
Allocated PE
                      2306
PV UUID
                      bUdEyD-WaDD-WURy-cPAM-lzgP-psOX-4fICfF
--- Physical volume ---
PV Name
                      /dev/sdbc
VG Name
                      anji
PV Size
                      <25.00 GiB / not usable 3.00 MiB
Allocatable
                      yes
PE Size
                      4.00 MiB
                      6399
Total PE
Free PE
Allocated PE
                      1279
PV UUID
                      fKt4MK-swFU-b28V-N6du-6u7E-TLZ6-CtcxuH
 --- Physical volume ---
PV Name
                      /dev/sdbd
VG Name
                      anji
PV Size
                      15.00 GiB / not usable 4.00 MiB
Allocatable
                      yes (but full)
PE Size
                      4.00 MiB
                      3839
Total PE
Free PE
Allocated PE
PV UUID
                      Aypdly-21wh-nnqv-otBk-XuHx-1iX9-jMgWOv
root@ip-192-168-1-32 /]# pvresize /dev/sdbc
```

```
[root@ip-192-168-1-32 /]# lvextend -L +20G /dev/anji/vinod
  Size of logical volume anji/vinod changed from 20.00 GiB (5120 extents) to 40.00 GiB (10240 extents).
  Logical volume anji/vinod successfully resized.
[root@ip-192-168-1-32 /]# resize2fs /dev/anji/vinod
resize2fs 1.46.5 (30-Dec-2021)
Filesystem at /dev/anji/vinod is mounted on /vinod; on-line resizing required
old_desc_blocks = 3, new_desc blocks = 5
The filesystem on /dev/anji/vinod is now 10485760 (4k) blocks long.
[root@ip-192-168-1-32 /]#
[root@ip-192-168-1-32 /]# df -h
                         Size Used Avail Use% Mounted on
Filesystem
devtmpfs
                         4.0M
                                 0 4.0M
                                            0% /dev
                                12K 475M
tmpfs
                         475M
                                            1% /dev/shm
tmpfs
                         190M 476K 190M
                                            1% /run
/dev/xvda1
                         8.0G 1.6G 6.4G
                                           20% /
                         475M
                                            0% /tmp
tmpfs
                                 0 475M
/dev/xvda128
                         10M
                               1.3M
                                     8.7M
                                           13% /boot/efi
tmpfs
                          95M
                                      95M
                                            0% /run/user/0
/dev/mapper/anji-vinod
                                            1% /vinod
                         40G
                                24K
                                      38G
/dev/mapper/anji-sampi 8.8G
                                24K
                                     8.3G
                                            1% /sampi
[root@ip-192-168-1-32 /]#
```

NOW i want to reduce the 40GB to 30GB and add 10GB in sampi

```
[root@ip-192-168-1-32 /]# df -h
Filesystem
                         Size
                              Used Avail Use% Mounted on
devtmpfs
tmpfs
                         475M
                                12K
                                     475M
                                            1% /dev/shm
tmpfs
                         190M
                               476K
                                     190M
                                            1% /run
                               1.6G
/dev/xvda1
                                           20% /
                        8.0G
                                     6.4G
                                           0% /tmp
                         475M
                                     475M
tmpfs
                                           13% /boot/efi
/dev/xvda128
                         10M
                               1.3M
                                     8.7M
tmpfs
                         95M
                                      95M
                                            0% /run/user/0
                                            1% /vinod
/dev/mapper/anji-vinod
                                24K
                                      38G
/dev/mapper/anji-sampi 8.8G
                               24K 8.3G
                                            1% /sampi
[root@ip-192-168-1-32 /]# sudo umount /vinod
[root@ip-192-168-1-32 /]# df -h
Filesystem
                        Size Used Avail Use% Mounted on
devtmpfs
                         4.0M
                                 0 4.0M
                                            0% /dev
tmpfs
                        475M
                               12K
                                     475M
                                            1% /dev/shm
tmpfs
                        190M
                              476K
                                     190M
                                            1% /run
                                           20% /
/dev/xvda1
                        8.0G
                               1.6G
                                     6.4G
tmpfs
                         475M
                                     475M
                                            0% /tmp
/dev/xvda128
                         10M
                               1.3M
                                     8.7M
                                           13% /boot/efi
                                     95M
tmofs
                         95M
                                            0% /run/user/0
                               24K 8.3G
/dev/mapper/anji-sampi 8.8G
                                            1% /sampi
[root@ip-192-168-1-32 /]# e2fsck -f /dev/anji/vinod
e2fsck 1.46.5 (30-Dec-2021)
```

Now add that 10 GB into sampi

#this is a failed but useful

Now My Volume is full I Increased the 10GB Volume In the Console i want to resize

Here I have one doubt i have three volumes with 15GB, 20 GB, and 25GB now i increased the 15GB volume into 25gb here which mount i increased I am getting confused screenshot you will clarity

```
Filesystem
                        Size Used Avail Use% Mounted on
/dev/root
                        6.8G 1.8G
                                   5.0G 27% /
                        479M
                                    479M
                                           1% /dev/shm
tmpfs
                              12K
tmpfs
                        192M 888K
                                    191M
                                           1% /run
                        5.0M
                                    5.0M
                                           0% /run/lock
mpfs
 dev/xvda16
                        881M
                               76M
                                    744M
                                          10% /boot
                        105M
                             6.1M
                                     99M
                                           6% /boot/efi
/dev/xvda15
                         96M
                                     96M
                                           1% /run/user/0
mpfs
/dev/mapper/anji-vinod
                         29G
                              600M
                                           3% /root/vinod
/dev/mapper/anji-sampi 30
root@ip-10-1-2-52:~# lsblk
                              620M
                                           3% /root/sampi
NAME
            MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
                       0 25.2M 1 loop /snap/amazon-ssm-agent/7993
loop0
              7:0
                                1 loop /snap/core18/2829
loop1
                       0 55.7M
 oop2
               7:2
                       0 38.8M
                                1 loop /snap/snapd/21759
                       0 8G 0 disk
             202:0
 vda
 -xvda1
                                0 part /
                           4M 0 part
 -xvda14
 -xvda15
                           106M
                                0 part /boot/efi
 xvda16
             259:0
                           913M 0 part /boot
 vdbb
             202:13568
                                0 disk
 -anji-sampi
                                0 lvm
                                        /root/sampi
             202:13824
kvdbc 202:13
—anji-sampi 252:0
                                0 disk
                            30G 0 lvm /root/sampi
                            29G 0 lvm
 -anji-vinod 252:1
                                        /root/vinod
            202:14080 0
                            25G
                                0 disk
kvdbd
 -anji-vinod 252:1
                            29G 0 lym /root/vinod
oot@ip-10-1-2-52:~#
```

How to solve the above problem

Here you can see the 15 GB volume mount point name xvdbb you can now resize this

```
xvdbd
            202:14080 0
                         25G
                              0 disk
Lanji-vinod 252:1
                          29G
                              0 lvm
                      0
                                     /root/vinod
root@ip-10-1-2-52:~# pvs
           VG Fmt Attr PSize
                                 PFree
 /dev/xvdbb anji lvm2 a--
                         <25.00g
                                       0
 /dev/xvdbc anji lvm2 a--
                         <20.00g 1012.00m
 /dev/xvdbd anji lvm2 a-- <15.00g
root@ip-10-1-2-52:~#
```

pvresize /dev/xvdbd

```
root@ip-10-1-2-52:~# pvs

PV VG Fmt Attr PSize PFree

/dev/xvdbb anji lvm2 a-- <25.00g 0

/dev/xvdbc anji lvm2 a-- <25.00g 0

root@ip-10-1-2-52:~# pvresize /dev/xvdbd

Physical volume "/dev/xvdbd" changed

1 physical volume(s) resized or updated / 0 physical volume(s) not resized

root@ip-10-1-2-52:~# pvs

PV VG Fmt Attr PSize PFree

/dev/xvdbb anji lvm2 a-- <25.00g 0

/dev/xvdbc anji lvm2 a-- <20.00g 1012.00m

/dev/xvdbc anji lvm2 a-- <25.00g 10.00g

root@ip-10-1-2-52:~#
```

Here you can see 10GB free

```
root@ip-10-1-2-52:~# pvs
  PV
             VG
                  Fmt Attr PSize
  /dev/xvdbb anji lvm2 a-- <25.00g
  /dev/xvdbc anji lvm2 a-- <20.00g 1012.00m
  /dev/xvdbd anji lvm2 a-- <15.00g
root@ip-10-1-2-52:~# pvresize /dev/xvdbd
  Physical volume "/dev/xvdbd" changed
  1 physical volume(s) resized or updated / 0 physical volume(s) not resize
root@ip-10-1-2-52:~# pvs
             VG
                  Fmt Attr PSize
                                    PFree
  /dev/xvdbb anji lvm2 a-- <25.00g
  /dev/xvdbc anji lvm2 a-- <20.00g 1012.00m
  /dev/xvdbd anji lvm2 a-- <25.00g
root@ip-10-1-2-52:~# vgs
  VG
       #PV #LV #SN Attr
                          VSize
                                  VFree
             2
                 0 \text{ wz}--n-<69.99q<10.99q
coot@in-10-1-2-52:~#
```

Now I added the remaining 10 GB into sampi

Lsblk

Now you can see Sampi before 30GB now 40GB

```
root@ip-10-1-2-52:~# lsblk
NAME
           MAJ:MIN
                     RM SIZE RO TYPE MOUNTPOINTS
                      0 25.2M 1 loop /snap/amazon-ssm-agent/7993
loop0
                      0 55.7M 1 loop /snap/core18/2829
loop1
loop2
                      0 38.8M
                              1 loop /snap/snapd/21759
            202:0
                          8G 0 disk
xvda
                           7G 0 part /
 -xvda1
            202:1
                          4M 0 part
 -xvda14
            202:14
                      0 106M 0 part /boot/efi
 -xvda15
                      0 913M 0 part /boot
-xvda16
            259:0
            202:13568 0 25G 0 disk
xvdbb
∟anji-sampi 252:0
                          40G 0 lvm /root/sampi
            202:13824 0
                          20G 0 disk
xvdbc
                   0
—anji-sampi 252:0
                          40G 0 lvm /root/sampi
Lanji-vinod 252:1
                          29G 0 lvm /root/vinod
           252:1
202:14080 0
                          25G 0 disk
xvdbd
—anji-sampi 252:0
                          40G 0 lvm /root/sampi
Lanji-vinod 252:1
                          29G 0 lvm /root/vinod
root@ip-10-1-2-52:~#
```

Now remount the mount point

```
root@ip-10-1-2-52:~# df -h sampi/
Filesystem
Size Used Avail Use% Mounted on
/dev/mapper/anji-sampi 30G 620M 30G 3% /root/sampi
root@ip-10-1-2-52:~# lvresize -L 40G /dev/anji/sampi
New size (10240 extents) matches existing size (10240 extents).
root@ip-10-1-2-52:~# df -h sampi/
Filesystem
Size Used Avail Use% Mounted on
/dev/mapper/anji-sampi 30G 620M 30G 3% /root/sampi
root@ip-10-1-2-52:~# mount -o remount /dev/anji/sampi sampi/
mount: (hint) your fstab has been modified, but systemd still uses
the old version; use 'systemctl daemon-reload' to reload.
root@ip-10-1-2-52:~# systemctl daemon-reload
root@ip-10-1-2-52:~# fd -h sampi/
Filesystem
Size Used Avail Use% Mounted on
/dev/mapper/anji-sampi 30G 620M 30G 3% /root/sampi
root@ip-10-1-2-52:~# xfs growfs /dev/anji/sampi
meta-data=/dev/mapper/anji-sampi isize=512 agcount=4, agsize=196
      meta-data-/dev/mapper/anji-sampi isize=512 agcount=4, agsize=1966080 blks sectsz=512 attr=2, projid3zbit=1 creflink=1 sparse=1, rmapbt=1 bigtime=1 inobtcount=1 nrext64=0
                                                                                                                                                                                 sunit=0 blocks=7864320, imaxpct=25 sunit=0 blocks=7864320, imaxpct=25 swidth=0 blks ascii-ci=0, ftype=1 blocks=16384, version=2 sunit=0 blks, lazy-count=1 blocks=0, rtextents=0
   data
      naming =version 2
log =internal log
   reartime -none extsz=4096 blocks=0, rdata blocks changed from 7864320 to 10485760 root@ip-10-1-2-52:~# df -h sampi/
Filesystem Size Used Avail Use% Mounted on /dev/mapper/anji-sampi 40G 816M 40G 2% /root/sampi root@ip-10-1-2-52:~#
```

here I have 29GB in Vinod we used 10GB we have 19GB free space I want to use that 19GB in Sampi how to decrease that Vinod

Now unmount the Vinod

```
root@ip-10-1-2-52:~# df -h
Filesystem
                        Size Used Avail Use% Mounted on
                                         27% /
/dev/root
                        6.8G
                             1.8G 5.0G
                                          1% /dev/shm
tmpfs
                        479M
                              12K 479M
                       192M
                              904K 191M
                                          1% /run
tmpfs
                       5.0M
                                   5.0M
                                          0% /run/lock
tmpfs
                       881M
/dev/xvda16
                              76M
                                   744M
                                         10% /boot
/dev/xvda15
                        105M
                             6.1M
                                    99M
                                          6% /boot/efi
tmpfs
                         96M
                              12K
                                    96M
                                          1% /run/user/0
                         40G
                                    40G
/dev/mapper/anji-sampi
                             816M
                                          2% /root/sampi
/dev/mapper/anji-vinod
                         29G 600M
                                    29G
                                          3% /root/vinod
root@ip-10-1-2-52:~# umount /dev/anji/vinod anji-vinod/
umount: anji-vinod/: no mount point specified.
root@ip-10-1-2-52:~# df -h
Filesystem
                       Size
                             Used Avail Use% Mounted on
                        6.8G
                             1.8G 5.0G 27% /
/dev/root
tmpfs
                        479M
                              12K 479M
                                          1% /dev/shm
tmpfs
                       192M
                              904K 191M
                                          1% /run
                                          0% /run/lock
tmpfs
                        5.0M
                                0
                                   5.0M
/dev/xvda16
                        881M
                              76M
                                   744M
                                         10% /boot
/dev/xvda15
                        105M
                             6.1M
                                    99M
                                          6% /boot/efi
tmpfs
                         96M
                              12K
                                    96M
                                          1% /run/user/0
/dev/mapper/anji-sampi
                         40G 816M
                                    40G
                                          2% /root/sampi
root@ip-10-1-2-52:~#
```