

Delete the PVS, VGS, and LVS Copy data into another volume /gampa

Here you can see added 2GB for testing purpose

```
[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  480K  190M   1% /run
/dev/xvda1      8.0G  1.6G  6.4G  20% /
tmpfs           475M   0  475M   0% /tmp
/dev/xvda128    10M  1.3M  8.7M  13% /boot/efi
tmpfs           95M   0   95M   0% /run/user/0
/dev/mapper/anji-sampi 19G  28K  18G   1% /sampi
/dev/mapper/anji-vinod 30G  28K  28G   1% /vinod
[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
xvdbb       202:13568 0  10G  0 disk
├─anji-vinod 253:0    0  30G  0 lvm  /vinod
└─anji-sampi 253:1    0  19G  0 lvm  /sampi
xvdbc       202:13824 0  25G  0 disk
├─anji-vinod 253:0    0  30G  0 lvm  /vinod
└─anji-sampi 253:1    0  19G  0 lvm  /sampi
xvdbd       202:14080 0  15G  0 disk
└─anji-vinod 253:0    0  30G  0 lvm  /vinod
xvdbe       202:14336 0   2G  0 disk
```

Now I mount this into Gampa folder

```

[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
xvdbb                202:13568   0  10G  0  disk
├─anji-vinod         253:0       0  30G  0  lvm  /vinod
└─anji-sampi         253:1       0  19G  0  lvm  /sampi
xvdbc                202:13824   0   25G  0  disk
├─anji-vinod         253:0       0  30G  0  lvm  /vinod
└─anji-sampi         253:1       0  19G  0  lvm  /sampi
xvdbd                202:14080   0   15G  0  disk
└─anji-vinod         253:0       0  30G  0  lvm  /vinod
xvdbe                202:14336   0    2G  0  disk

[root@ip-192-168-1-32 ~]# mkfs.ext4 /dev/xvdbe
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 524288 4k blocks and 131072 inodes
Filesystem UUID: d06d6804-8888-4650-922a-aac70687714a
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912

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 ~]# sudo -i
[root@ip-192-168-1-32 ~]# ll
total 0
[root@ip-192-168-1-32 ~]# mkdir gampa
[root@ip-192-168-1-32 ~]#

```

```

[root@ip-192-168-1-32 ~]# mount /dev/xvdbe gampa/
[root@ip-192-168-1-32 ~]# cat /etc/mtab
proc /proc proc rw,nosuid,nodev,noexec,relatime 0 0
sysfs /sys sysfs rw,seclabel,nosuid,nodev,noexec,relatime 0 0
devtmpfs /dev devtmpfs rw,seclabel,nosuid,size=4096k,nr_inodes=118697,mode=755 0 0
securityfs /sys/kernel/security securityfs rw,nosuid,nodev,noexec,relatime 0 0
tmpfs /dev/shm tmpfs rw,seclabel,nosuid,nodev 0 0
devpts /dev/pts devpts rw,seclabel,nosuid,noexec,relatime,gid=5,mode=620,ptmxmode=000 0 0
tmpfs /run tmpfs rw,seclabel,nosuid,nodev,size=194464k,nr_inodes=819200,mode=755 0 0
cgroup2 /sys/fs/cgroup cgroup2 rw,seclabel,nosuid,nodev,noexec,relatime,nsdelegate,memory_recursiveprot 0 0
pstore /sys/fs/pstore pstore rw,seclabel,nosuid,nodev,noexec,relatime 0 0
bpf /sys/fs/bpf bpf rw,nosuid,nodev,noexec,relatime,mode=700 0 0
/dev/xvda1 / xfs rw,seclabel,noatime,attr2,inode64,logbufs=8,logbsize=32k,sunit=1024,swidth=1024,noquota 0 0
selinuxfs /sys/fs/selinux selinuxfs rw,nosuid,noexec,relatime 0 0
systemd-1 /proc/sys/fs/binfmt_misc autofs rw,relatime,fd=29,pgrp=1,timeout=0,minproto=5,maxproto=5,direct,pipe_ino=12990 0 0
mqueue /dev/mqueue mqueue rw,seclabel,nosuid,nodev,noexec,relatime 0 0
hugetlbfs /dev/hugepages hugetlbfs rw,seclabel,relatime,pagesize=2M 0 0
debugfs /sys/kernel/debug debugfs rw,seclabel,nosuid,nodev,noexec,relatime 0 0
tracefs /sys/kernel/tracing tracefs rw,seclabel,nosuid,nodev,noexec,relatime 0 0
tmpfs /tmp tmpfs rw,seclabel,nosuid,nodev,nr_inodes=1048576 0 0
ramfs /run/credentials/systemd-sysctl.service ramfs ro,seclabel,nosuid,nodev,noexec,relatime,mode=700 0 0
configfs /sys/kernel/config configfs rw,nosuid,nodev,noexec,relatime 0 0
ramfs /run/credentials/systemd-tmpfiles-setup-dev.service ramfs ro,seclabel,nosuid,nodev,noexec,relatime,mode=700 0 0
fusectl /sys/fs/fuse/connections fusectl rw,nosuid,nodev,noexec,relatime 0 0
systemd-1 /boot/efi autofs rw,relatime,fd=41,pgrp=1,timeout=0,minproto=5,maxproto=5,direct,pipe_ino=14062 0 0
ramfs /run/credentials/systemd-tmpfiles-setup.service ramfs ro,seclabel,nosuid,nodev,noexec,relatime,mode=700 0 0
sunrpc /var/lib/nfs/rpc_pipefs rpc_pipefs rw,relatime 0 0
/dev/xvda128 /boot/efi vfat rw,noatime,fmask=0077,dmask=0077,codepage=437,ioccharset=ascii,shortname=winnt,errors=remount-ro 0 0
tmpfs /run/user/0 tmpfs rw,seclabel,nosuid,nodev,relatime,size=97228k,nr_inodes=24307,mode=700 0 0
/dev/mapper/anji-sampi /sampi ext4 rw,seclabel,relatime 0 0
/dev/mapper/anji-vinod /vinod ext4 rw,seclabel,relatime 0 0
/dev/xvdbe /root/gampa ext4 rw,seclabel,relatime 0 0
[root@ip-192-168-1-32 ~]#

```

```
[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 ~]# 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

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

/dev/xvdb /root/gampa ext4 rw,seclabel,relatime 0 0

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

Now copy the data into Gampa folder

```
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod71
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod72
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod73
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod74
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod75
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod76
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod77
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod78
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod79
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod8
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod80
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod81
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod82
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod83
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod84
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod85
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod86
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod87
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod88
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod89
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod9
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod90
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod91
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod92
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod93
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod94
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod95
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod96
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod97
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod98
-rw-r--r--. 1 root root 0 Aug 24 13:08 vinod99
[root@ip-192-168-1-32 gampa]# cd ..
[root@ip-192-168-1-32 ~]# sudo rsync -av /vinod/ /root/gampa/
```

Like this sampi also

```
anji75
anji76
anji77
anji78
anji79
anji8
anji80
anji81
anji82
anji83
anji84
anji85
anji86
anji87
anji88
anji89
anji9
anji90
anji91
anji92
anji93
anji94
anji95
anji96
anji97
anji98
anji99
script.sh
lost+found/

sent 5,677 bytes  received 1,942 bytes  15,238.00 bytes/sec
total size is 207  speedup is 0.03
[root@ip-192-168-1-32 ~]# sudo rsync -av /sampi/ /root/gampa/
```

Now check whether the data is copied or not

```
sent 5,677 bytes  received 1,942 bytes  15,238.00 bytes/sec
total size is 207  speedup is 0.03
[root@ip-192-168-1-32 ~]# cd gampa/
[root@ip-192-168-1-32 gampa]# ll
total 20
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji1
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji10
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji100
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji11
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji12
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji13
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji14
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji15
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji16
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji17
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji18
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji19
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji2
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji20
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji21
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji22
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji23
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji24
-rw-r--r--. 1 root root    0 Aug 24 13:07 anji25
```

Now data is copied

Ensure the data has been copied successfully by comparing the contents:

```

only in /root/gampa: anji75
only in /root/gampa: anji76
only in /root/gampa: anji77
only in /root/gampa: anji78
only in /root/gampa: anji79
only in /root/gampa: anji8
only in /root/gampa: anji80
only in /root/gampa: anji81
only in /root/gampa: anji82
only in /root/gampa: anji83
only in /root/gampa: anji84
only in /root/gampa: anji85
only in /root/gampa: anji86
only in /root/gampa: anji87
only in /root/gampa: anji88
only in /root/gampa: anji89
only in /root/gampa: anji9
only in /root/gampa: anji90
only in /root/gampa: anji91
only in /root/gampa: anji92
only in /root/gampa: anji93
only in /root/gampa: anji94
only in /root/gampa: anji95
only in /root/gampa: anji96
only in /root/gampa: anji97
only in /root/gampa: anji98
only in /root/gampa: anji99
diff -r /vinod/script.sh /root/gampa/script.sh
7c7
< touch "vinod$i"
---
> touch "anji$i"
[root@ip-192-168-1-32 gampa]# sudo diff -r /vinod /root/gampa

```

Now umount the mount points

```

[root@ip-192-168-1-32 gampa]# cd ..
[root@ip-192-168-1-32 ~]# df -h /gampa/
Filesystem      Size  Used Avail Use% Mounted on
/dev/xvda1      8.0G  1.6G  6.4G  20% /
[root@ip-192-168-1-32 ~]#
[root@ip-192-168-1-32 ~]# umount /vinod
[root@ip-192-168-1-32 ~]# umount /sampi
[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  480K  190M   1% /run
/dev/xvda1      8.0G  1.6G  6.4G  20% /
tmpfs           475M   0  475M   0% /tmp
/dev/xvda128    10M  1.3M  8.7M  13% /boot/efi
tmpfs           95M   0   95M   0% /run/user/0
/dev/xvdb       5.9G  28K  5.6G   1% /root/gampa
[root@ip-192-168-1-32 ~]#

```

Now Delete LVM's

```

[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  480K  190M   1% /run
/dev/xvda1      8.0G  1.6G  6.4G  20% /
tmpfs           475M   0  475M   0% /tmp
/dev/xvda128    10M  1.3M  8.7M  13% /boot/efi
tmpfs           95M   0   95M   0% /run/user/0
/dev/xvdb       5.9G  28K  5.6G   1% /root/gampa
[root@ip-192-168-1-32 ~]# lvremove /dev/anj/vinod
Do you really want to remove active logical volume anji/vinod? [y/n]: y
  Logical volume "vinod" successfully removed.
[root@ip-192-168-1-32 ~]# lvremove /dev/anj/sampi
Do you really want to remove active logical volume anji/sampi? [y/n]: y
  Logical volume "sampi" successfully removed.
[root@ip-192-168-1-32 ~]# lvs
[root@ip-192-168-1-32 ~]#

```

Remove the Volume Group:

```

Logical volume vinod successfully removed.
[root@ip-192-168-1-32 ~]# lvremove /dev/anji/sampi
Do you really want to remove active logical volume anji/sampi? [y/n]: y
Logical volume "sampi" successfully removed.
[root@ip-192-168-1-32 ~]# lvs
[root@ip-192-168-1-32 ~]# vgs
  VG   #PV #LV #SN Attr   VSize   VFree
  anji   3   0   0 wz--n- <49.99g <49.99g
[root@ip-192-168-1-32 ~]# vgremove anji
Volume group "anji" successfully removed
[root@ip-192-168-1-32 ~]# vgs
[root@ip-192-168-1-32 ~]#

```

Remove the Physical Volumes

```

[root@ip-192-168-1-32 ~]# lvs
[root@ip-192-168-1-32 ~]# vgs
  VG   #PV #LV #SN Attr   VSize   VFree
  anji   3   0   0 wz--n- <49.99g <49.99g
[root@ip-192-168-1-32 ~]# vgremove anji
Volume group "anji" successfully removed
[root@ip-192-168-1-32 ~]# vgs
[root@ip-192-168-1-32 ~]# pvs
  PV          VG Fmt  Attr PSize  PFree
  /dev/sdbb    lvm2 ---  10.00g 10.00g
  /dev/sdbc    lvm2 ---  25.00g 25.00g
  /dev/sdbd    lvm2 ---  15.00g 15.00g
[root@ip-192-168-1-32 ~]# pvremove /dev/sdbb /dev/sdbc /dev/sdbd
Labels on physical volume "/dev/sdbb" successfully wiped.
Labels on physical volume "/dev/sdbc" successfully wiped.
Labels on physical volume "/dev/sdbd" successfully wiped.
[root@ip-192-168-1-32 ~]# pvs
[root@ip-192-168-1-32 ~]#

```

Remove Mount Points

```

[root@ip-192-168-1-32 ~]# sudo rm -rf /vinod /sampi
[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  472K  190M   1% /run
/dev/xvda1      8.0G  1.6G  6.4G  20% /
tmpfs           475M   0  475M   0% /tmp
/dev/xvda128    10M  1.3M  8.7M  13% /boot/efi
tmpfs           95M   0   95M   0% /run/user/0
/dev/xvdb       5.9G  28K  5.6G   1% /root/gampa
[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
xvdbb       202:13568 0  10G  0 disk
xvdbc       202:13824 0  25G  0 disk
xvdbd       202:14080 0  15G  0 disk
xvdb       202:14336 0   6G  0 disk /root/gampa
[root@ip-192-168-1-32 ~]#

```

Now remove the mount points entries in the 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

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

/dev/xvdb /root/gampa ext4 rw,seclabel,relatime 0 0

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

/dev/xvdb /root/gampa ext4 rw,seclabel,relatime 0 0

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

Now you can mount regularly

```
[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
xvdbb       202:13568  0   10G  0  disk
xvdbc       202:13824  0   25G  0  disk
xvdbd       202:14080  0   15G  0  disk
xvdbf       202:14336  0    6G  0  disk /root/gampa
[root@ip-192-168-1-32 ~]# mkfs.ext4 /dev/xvdbb
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 2621440 4k blocks and 655360 inodes
Filesystem UUID: 8b73d6ee-f533-4279-9e31-f2dc06566577
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 ~]# ll
total 4
drwxr-xr-x. 3 root root 4096 Aug 24 13:07 gampa
[root@ip-192-168-1-32 ~]# mkdir vinod
[root@ip-192-168-1-32 ~]# mount /dev/xvdb
xvdbb xvdbc xvdbd xvdbf
[root@ip-192-168-1-32 ~]# mount /dev/xvdbb vinod/
[root@ip-192-168-1-32 ~]#
```

```

[root@ip-192-168-1-32 ~]# mkfs.ext4 /dev/xvdbb
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 2621440 4k blocks and 655360 inodes
Filesystem UUID: 8b73d6ee-f533-4279-9e31-f2dc06566577
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 ~]# ll
total 4
drwxr-xr-x. 3 root root 4096 Aug 24 13:07 gampa
[root@ip-192-168-1-32 ~]# mkdir vinod
[root@ip-192-168-1-32 ~]# mount /dev/xvdb
xvdbb xvdbc xvdbd xvdbe
[root@ip-192-168-1-32 ~]# mount /dev/xvdbb 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  472K  190M   1% /run
/dev/xvda1      8.0G  1.6G  6.4G  20% /
tmpfs           475M   0  475M   0% /tmp
/dev/xvda128    10M  1.3M  8.7M  13% /boot/efi
tmpfs           95M   0   95M   0% /run/user/0
/dev/xvdb       5.9G  28K  5.6G   1% /root/gampa
/dev/xvdbb      9.8G  24K  9.3G   1% /root/vinod
[root@ip-192-168-1-32 ~]#

```

Like this, you can mount everything or remain ones