

```
sunbeam@server:~$ login as: sunbeam
sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Thu Oct 19 09:37:07 2023
[sunbeam@server ~]$
[sunbeam@server ~]$ lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
srd0                                11:0      1 1024M  0 rcm
zram0                               252:0      0   3.8G  0 disk [SWAP]
nvme0n1                             259:0      0    40G  0 disk
├─nvme0n1p1                         259:1      0     1M  0 part
├─nvme0n1p2                         259:2      0     1G  0 part /boot
├─nvme0n1p3                         259:3      0    39G  0 part
└─fedora-root                       253:0      0    15G  0 lvm /
nvme0n2                             259:4      0    40G  0 disk
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo fdisk /dev/nvme0n2
[sudo] password for sunbeam:

Welcome to fdisk (util-linux 2.39.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x6b2d51e1.

Command (m for help): n
Partition type
   p   primary (0 primary, 0 extended, 4 free)
   e   extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1):
First sector (2048-83886079, default 2048):
Last sector, +/-sectors or +/-size(K,M,G,T,P) (2048-83886079, default 83886079):
+20G

Created a new partition 1 of type 'Linux' and of size 20 GiB.

Command (m for help): n
Partition type
   p   primary (1 primary, 0 extended, 3 free)
   e   extended (container for logical partitions)
Select (default p):

Using default response p.
Partition number (2-4, default 2):
First sector (41945088-83886079, default 41945088):
Last sector, +/-sectors or +/-size(K,M,G,T,P) (41945088-83886079, default 83886079):
79):
```

```
sunbeam@server:~$  
Created a new DOS disklabel with disk identifier 0x6b2d51e1.  
  
Command (m for help): n  
Partition type  
   p   primary (0 primary, 0 extended, 4 free)  
   e   extended (container for logical partitions)  
Select (default p): p  
Partition number (1-4, default 1):  
First sector (2048-83886079, default 2048):  
Last sector, +/-sectors or +/-size(K,M,G,T,P) (2048-83886079, default 83886079):  
+20G
```

Created a new partition 1 of type 'Linux' and of size 20 GiB.

```
Command (m for help): n  
Partition type  
   p   primary (1 primary, 0 extended, 3 free)  
   e   extended (container for logical partitions)  
Select (default p):  
  
Using default response p.  
Partition number (2-4, default 2):  
First sector (41945080-83886079, default 41945080):  
Last sector, +/-sectors or +/-size(K,M,G,T,P) (41945080-83886079, default 83886079):  
79):
```

Created a new partition 2 of type 'Linux' and of size 20 GiB.

```
Command (m for help): w  
The partition table has been altered.  
Calling ioctl() to re-read partition table.  
Syncing disks.
```

```
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ lsblk  
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS  
sr0                                11:0    1 1024M  0 rom  
zram0                             252:0    0   3.8G  0 disk [SWAP]  
nvme0n1                           259:0    0    40G  0 disk  
├─nvme0n1p1                       259:1    0    1M  0 part  
├─nvme0n1p2                       259:2    0    1G  0 part /boot  
├─nvme0n1p3                       259:3    0   39G  0 part  
│   └─fedora-root                 253:0    0   15G  0 lvm /  
nvme0n2                           259:4    0    40G  0 disk  
├─nvme0n2p1                      259:5    0   20G  0 part  
└─nvme0n2p2                      259:6    0   20G  0 part  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/nvme0n2p1
```

```

sunbeam@server~$
└─nvme0n1p3 259:3 0 39G 0 part
└─fedora-root 253:0 0 15G 0 lvm /
nvme0n2 259:4 0 40G 0 disk
└─nvme0n2p1 259:5 0 20G 0 part
└─nvme0n2p2 259:6 0 20G 0 part
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/nvme0n2p1
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 5242880 4k blocks and 1310720 inodes
Filesystem UUID: 38565546-9efe-4490-aebc-d4d1504ee854
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

[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/nvme0n2p2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 5242880 4k blocks and 1310720 inodes
Filesystem UUID: 55524692-356b-4a7c-bf2c-fe7aac40b697
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

[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
[sunbeam@server ~]$ sudo mkdir /disk1
[sunbeam@server ~]$ sudo mkdir /disk2
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo mount -t ext4 /dev/nvme0n2p1 /disk1
[sunbeam@server ~]$ sudo mount -t ext4 /dev/nvme0n2p2 /disk2
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo findmnt | grep "disk"
└─/disk1 /dev/nvme0n2p1 ext4 rw,relatime,secl
abel
└─/disk2 /dev/nvme0n2p2 ext4 rw,relatime,secl
abel

```

```
sunbeam@server:~$ mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 5242624 4k blocks and 1310720 inodes
Filesystem UUID: 55524692-356b-4a7c-bf2c-fe7aac48b697
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
```

```
[sunbeam@server ~]$
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[sunbeam@server ~]$ sudo mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
[sunbeam@server ~]$ sudo mkdir /disk1
[sunbeam@server ~]$ sudo mkdir /disk2
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo mount -t ext4 /dev/nvme0n2p1 /disk1
[sunbeam@server ~]$ sudo mount -t ext4 /dev/nvme0n2p2 /disk2
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo findmnt | grep "disk"
|-/disk1                /dev/nvme0n2p1      ext4      rw,relatime,secl
abel
|-/disk2                /dev/nvme0n2p2      ext4      rw,relatime,secl
abel
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vim /etc/fstab
[sunbeam@server ~]$ sudo vim /etc/fstab
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo init 6
```

```
login as: sunbeam
sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/
```

```
Last login: Sun Nov  5 19:49:44 2023 from 192.168.59.1
```

```
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo findmnt | grep "disk"
[sudo] password for sunbeam:
|-/disk1                /dev/nvme0n2p1      ext4      rw,relatime,secl
abel
|-/disk2                /dev/nvme0n2p2      ext4      rw,relatime,secl
abel
[sunbeam@server ~]$
```

```
sunbeam@server~$ login as: sunbeam
sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Thu Oct 19 09:37:07 2023
[sunbeam@server ~]$
[sunbeam@server ~]$ lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sr0                                  11:0    1 1024M  0 rcm
zram0                                252:0    0   3.8G  0 disk [SWAP]
nvme0n1                              259:0    0   40G  0 disk
├─nvme0n1p1                          259:1    0    1M  0 part
├─nvme0n1p2                          259:2    0    1G  0 part /boot
├─nvme0n1p3                          259:3    0   39G  0 part
└─fedora-root 253:0    0   15G  0 lvm /
nvme0n2                              259:4    0   40G  0 disk
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo fdisk /dev/nvme0n2
[sudo] password for sunbeam:

Welcome to fdisk (util-linux 2.39.1).
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Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x6b2d51e1.

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Select (default p): p
Partition number (1-4, default 1):
First sector (2048-83886079, default 2048):
Last sector, +/-sectors or +/-size(K,M,G,T,P) (2048-83886079, default 83886079):
+20G

Created a new partition 1 of type 'Linux' and of size 20 GiB.

Command (m for help): n
Partition type
  p   primary (1 primary, 0 extended, 3 free)
  e   extended (container for logical partitions)
Select (default p):

Using default response p.
Partition number (2-4, default 2):
First sector (41945088-83886079, default 41945088):
Last sector, +/-sectors or +/-size(K,M,G,T,P) (41945088-83886079, default 83886079):
79):
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```
sunbeam@server:~$  
Created a new partition 2 of type 'Linux' and of size 20 GiB.  
Command (m for help): w  
The partition table has been altered.  
Calling ioctl() to re-read partition table.  
Syncing disks.  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ lsblk  
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS  
sr0 11:0 1 1024M 0 rom  
zram0 252:0 0 3.8G 0 disk [SWAP]  
nvme0n1 259:0 0 40G 0 disk  
├─nvme0n1p1 259:1 0 1M 0 part  
├─nvme0n1p2 259:2 0 1G 0 part /boot  
├─nvme0n1p3 259:3 0 39G 0 part  
└─fedora-root 253:0 0 15G 0 lvm /  
nvme0n2 259:4 0 40G 0 disk  
├─nvme0n2p1 259:5 0 20G 0 part  
└─nvme0n2p2 259:6 0 20G 0 part  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/nvme0n2p1  
mke2fs 1.46.5 (30-Dec-2021)  
Creating filesystem with 5242880 4k blocks and 1310720 inodes  
Filesystem UUID: 38565546-9afa-4490-aebc-d4d1504ee854  
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  
[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/nvme0n2p2  
mke2fs 1.46.5 (30-Dec-2021)  
Creating filesystem with 5242624 4k blocks and 1310720 inodes  
Filesystem UUID: 55524692-356b-4a7c-bf2c-fe7aac48b697  
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
```

```
sunbeam@server~$ sudo mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
[sunbeam@server ~]$ sudo mkdir /disk1
[sunbeam@server ~]$ sudo mkdir /disk2
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo mount -t ext4 /dev/nvme0n2p1 /disk1
[sunbeam@server ~]$ sudo mount -t ext4 /dev/nvme0n2p2 /disk2
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo findmnt | grep "disk"
|-/disk1          /dev/nvme0n2p1      ext4      rw,relatime,secl
abel
|-/disk2          /dev/nvme0n2p2      ext4      rw,relatime,secl
abel
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vim /etc/fstab
[sunbeam@server ~]$ sudo vim /etc/fstab
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo init 6
login as: sunbeam
sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Sun Nov  5 19:49:44 2023 from 192.168.59.1
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo findmnt | grep "disk"
[sudo] password for sunbeam:
|-/disk1          /dev/nvme0n2p1      ext4      rw,relatime,secl
abel
|-/disk2          /dev/nvme0n2p2      ext4      rw,relatime,secl
abel
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vim /etc/fstab
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo init 0
[sunbeam@server ~]$
login as: sunbeam
sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Sun Nov  5 19:56:00 2023 from 192.168.59.1

[sunbeam@server ~]$
[sunbeam@server ~]$
```

```
sunbeam@server:~$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo findmnt | grep "disk"  
[sudo] password for sunbeam:  
|-/disk1 /dev/nvme0n2p1 ext4 rw,relatime,secl  
abel  
|-/disk2 /dev/nvme0n2p2 ext4 rw,relatime,secl  
abel  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo vim /etc/fstab  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo init 0  
[sunbeam@server ~]$  
login as: sunbeam  
sunbeam@192.168.59.147's password:  
Web console: https://server:9090/ or https://192.168.59.147:9090/  
Last login: Sun Nov 5 19:56:00 2023 from 192.168.59.1  
  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ lsblk  
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS  
sr0 11:0 1 1024M 0 rom  
zram0 252:0 0 3.8G 0 disk [SWAP]  
nvme0n1 259:0 0 40G 0 disk  
|-nvme0n1p1 259:1 0 1M 0 part  
|-nvme0n1p2 259:2 0 1G 0 part /boot  
|-nvme0n1p3 259:3 0 39G 0 part  
|-fedora-root 253:0 0 15G 0 lvm /  
nvme0n2 259:4 0 40G 0 disk  
|-nvme0n2p1 259:5 0 20G 0 part  
|-nvme0n2p2 259:6 0 20G 0 part  
nvme0n3 259:7 0 20G 0 disk  
nvme0n4 259:8 0 20G 0 disk  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo pvs  
[sudo] password for sunbeam:  
PV VG Fmt Attr PSize PFree  
/dev/nvme0n1p3 fedora lvm2 a-- <39.00g <24.00g  
[sunbeam@server ~]$
```



```

sunbeam@server:~$ sudo pvcreate /dev/nvme0n2p1
WARNING: ext4 signature detected on /dev/nvme0n2p1 at offset 1080. Wipe it? [y/n]: Y
Wiping ext4 signature on /dev/nvme0n2p1.
Physical volume "/dev/nvme0n2p1" successfully created.
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ findmnt | grep "disk"
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo pvcreate /dev/nvme0n3
Physical volume "/dev/nvme0n3" successfully created.
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo pvcreate /dev/nvme0n4
Physical volume "/dev/nvme0n4" successfully created.
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo pvs
PV          VG      Fmt  Attr  PSize    PFree
/dev/nvme0n1p3 fedora lvm2 a--  <39.00g <24.00g
/dev/nvme0n2p1      lvm2 ---   20.00g   20.00g
/dev/nvme0n3        lvm2 ---   20.00g   20.00g
/dev/nvme0n4        lvm2 ---   20.00g   20.00g
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vgs
VG      #PV #LV #SN Attr   VSize    VFree
fedora   1   1   0 wz--n- <39.00g <24.00g
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vgcreate myvg /dev/nvme0n2p1 /dev/nvme0n3 /dev/nvme0n4
Volume group "myvg" successfully created
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vgs
VG      #PV #LV #SN Attr   VSize    VFree
fedora   1   1   0 wz--n- <39.00g <24.00g
myvg     3   0   0 wz--n- <59.99g <59.99g
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo lvs
LV      VG      Attr   LSize   Pool Origin Data%  Meta%  Move Log Cpy%Sync Convert
root    fedora -wi-ao---- 15.00g
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo lvcreate -n lvi -L 30G myvg
Logical volume "lvi" created.

```

```
sunbeam@server:~$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo lvs  
LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert  
root fedora -wi-ao---- 15.00g  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo lvcreate -n lv1 -L 30G myvg  
Logical volume "lv1" created.  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo lvcreate -n lv2 -L 29.98G myvg  
Rounding up size to full physical extent 29.98 GiB  
Logical volume "lv2" created.  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo lvs  
LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert  
root fedora -wi-ao---- 15.00g  
lv1 myvg -wi-a----- 30.00g  
lv2 myvg -wi-a----- 29.98g  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo mkdir /mydisks/d1  
mkdir: cannot create directory '/mydisks/d1': No such file or directory  
[sunbeam@server ~]$ sudo mkdir /mydisks  
[sunbeam@server ~]$ sudo mkdir /mydisks/d1  
[sunbeam@server ~]$ sudo mkdir /mydisks/d2  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo vim /etc/sytemd/system/mydisks-d1.mount  
[sunbeam@server ~]$ sudo vim /etc/sytemd/system/mydisks-d1.mount  
[sunbeam@server ~]$ sudo vim /etc/systemd/system/mydisks-d1.mount  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo vim /etc/systemd/system/mydisks-d2.mount  
[sunbeam@server ~]$ sudo lvs  
LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert  
root fedora -wi-ao---- 15.00g  
lv1 myvg -wi-a----- 30.00g  
lv2 myvg -wi-a----- 29.98g  
[sunbeam@server ~]$ sudo vim /etc/systemd/system/mydisks-d1.mount  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo vim /etc/systemd/system/mydisks-d2.mount  
[sunbeam@server ~]$  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo systemctl enable mydisks-d1.mount
```

```
sunbeam@server:~$ sudo systemctl enable mydisks-d1.mount
Created symlink /etc/systemd/system/multi-user.target.wants/mydisks-d1.mount → /etc/systemd/system/mydisks-d1.mount.
sunbeam@server:~$ sudo systemctl enable mydisks-d2.mount
Created symlink /etc/systemd/system/multi-user.target.wants/mydisks-d2.mount → /etc/systemd/system/mydisks-d2.mount.
sunbeam@server:~$
sunbeam@server:~$ sudo systemctl start mydisks-d1.mount
Job failed. See "journalctl -xe" for details.
sunbeam@server:~$ sudo vim /etc/systemd/system/mydisks-d2.mount
sunbeam@server:~$ sudo vim /etc/systemd/system/mydisks-d1.mount
sunbeam@server:~$
sunbeam@server:~$ sudo vgs
VG      #PV #LV #SN Attr   VSize   VFree
fedora   1   1   0 wz--n- <39.00g <24.00g
myvg     3   2   0 wz--n- <59.99g  8.00m
sunbeam@server:~$
sunbeam@server:~$ sudo pvs
PV          VG      Fmt Attr   PSize   PFree
/dev/nvme0n1p3 fedora lvm2 a-- <39.00g <24.00g
/dev/nvme0n2p1 myvg   lvm2 a-- <20.00g  0
/dev/nvme0n3   myvg   lvm2 a-- <20.00g  8.00m
/dev/nvme0n4   myvg   lvm2 a-- <20.00g  0
sunbeam@server:~$
sunbeam@server:~$
sunbeam@server:~$ sudo lvs
LV      VG      Attr   LSize   Pool Origin Data%  Meta%  Move Log Cpy%Sync Convert
root    fedora -wi-ao---- 15.00g
lv1     myvg    -wi-a----- 30.00g
lv2     myvg    -wi-a----- 29.98g
sunbeam@server:~$
sunbeam@server:~$ lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
srd0                                11:0    1 1024M  0  rom
zram0                               252:0    0   3.8G  0  disk [SWAP]
nvme0n1                             259:0    0    40G  0  disk
├─nvme0n1p1                         259:1    0     1M  0  part
├─nvme0n1p2                         259:2    0     16  0  part /boot
├─nvme0n1p3                         259:3    0    39G  0  part
└─┬─fedora-root                     253:0    0    15G  0  lvm  /
   └─nvme0n2                         259:4    0    40G  0  disk
       ├─nvme0n2p1                   259:5    0    20G  0  part
       └─myvg-lv1                     253:1    0    30G  0  lvm
           ├─nvme0n2p2               259:6    0    20G  0  part
           └─nvme0n3                 259:7    0    20G  0  disk
               ├─myvg-lv1             253:1    0    30G  0  lvm
               └─myvg-lv2             253:2    0    30G  0  lvm
nvme0n4                             259:8    0    20G  0  disk
└─myvg-lv2                         253:2    0    30G  0  lvm
sunbeam@server:~$
sunbeam@server:~$ sudo systemctl start mydisks-d1.mount
```

```
sunbeam@server:~$  
nvme0n4      259:0    0   20G  0 disk  
l-mylvg-lv2  253:2    0   30G  0 lvm  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo systemctl start mydisks-dl.mount  
Warning: The unit file, source configuration file or drop-ins of mydisks-dl.mount changed on disk. Run 'systemctl daemon-reload' to reload units.  
Job failed. See "journalctl -xe" for details.  
[sunbeam@server ~]$ wqa  
-bash: wqa: command not found  
[sunbeam@server ~]$ sudo vim /etc/systemd/system/mydisks-dl.mount  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo journalctl -xe mydisks-dl.mount  
Failed to add match 'mydisks-dl.mount': Invalid argument  
[sunbeam@server ~]$ sudo journalctl -xeu mydisks-dl.mount  
Nov 05 20:11:54 server systemd[1]: Mounting mydisks-dl.mount - "this is my test unit file to mount a partition"...  
Subject: A start job for unit mydisks-dl.mount has begun execution  
Defined-By: systemd  
Support: https://lists.freedesktop.org/mailman/listinfo/systemd-devel  
A start job for unit mydisks-dl.mount has begun execution.  
The job identifier is 1287.  
Nov 05 20:11:54 server mount[1306]: mount: /mydisks/dl: wrong fs type, bad option, bad superblock on /dev/mapper/myvg-lv1, missing codepage or helper program, or other error.  
Nov 05 20:11:54 server mount[1306]: dmesg(1) may have more information after failed mount system call.  
Nov 05 20:11:54 server systemd[1]: mydisks-dl.mount: Mount process exited, code=exited, status=32/n/a  
Subject: Unit process exited  
Defined-By: systemd  
Support: https://lists.freedesktop.org/mailman/listinfo/systemd-devel  
An n/a process belonging to unit mydisks-dl.mount has exited.  
The process' exit code is 'exited' and its exit status is 32.  
Nov 05 20:11:54 server systemd[1]: mydisks-dl.mount: Failed with result 'exit-code'.  
Subject: Unit failed  
Defined-By: systemd  
Support: https://lists.freedesktop.org/mailman/listinfo/systemd-devel  
The unit mydisks-dl.mount has entered the 'failed' state with result 'exit-code'.  
Nov 05 20:11:54 server systemd[1]: Failed to mount mydisks-dl.mount - "this is my test unit file to mount a partition".  
Subject: A start job for unit mydisks-dl.mount has failed  
Defined-By: systemd  
Support: https://lists.freedesktop.org/mailman/listinfo/systemd-devel  
A start job for unit mydisks-dl.mount has finished with a failure.  
The job identifier is 1287 and the job result is failed.  
Nov 05 20:14:29 server systemd[1]: Mounting mydisks-dl.mount - "this is my test unit file to mount a partition"...  
Subject: A start job for unit mydisks-dl.mount has begun execution  
Defined-By: systemd  
Support: https://lists.freedesktop.org/mailman/listinfo/systemd-devel
```

```
sunbeam@server:~$ a
-bash: a: command not found
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vim /etc/systemd/system/mydisks-d1.mount
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/myvg/lv1
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 7864320 4k blocks and 1966080 inodes
Filesystem UUID: 3dc39fc9-d86f-40cb-a73a-bdc40f53af45
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

[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/myvg/lv2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 7859200 4k blocks and 1966080 inodes
Filesystem UUID: 81e5062c-35c1-4b7d-8966-0057903e13c2
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

[sunbeam@server ~]$
[sunbeam@server ~]$ sudo systemctl start mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ sudo systemctl restart mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ sudo systemctl stop mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ ls /mydisks/
d1 d2
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo systemctl stop mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ sudo systemctl daemon-reload
[sunbeam@server ~]$ sudo systemctl restart mydisks-d1.mount
[sunbeam@server ~]$ sudo systemctl restart mydisks-d2.mount
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
```

```
sunbeam@server:~$ sudo mke2fs -t ext4 /dev/myvg/lv2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 7859200 4k blocks and 1966080 inodes
Filesystem UUID: 81e5062c-35c1-4b7d-8966-0057903e13c2
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

[sunbeam@server ~]$ sudo mke2fs -t ext4 /dev/myvg/lv2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 7859200 4k blocks and 1966080 inodes
Filesystem UUID: 81e5062c-35c1-4b7d-8966-0057903e13c2
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

[sunbeam@server ~]$
[sunbeam@server ~]$ sudo systemctl start mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ sudo systemctl restart mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ sudo systemctl stop mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ ls /mydisks/
d1 d2
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo systemctl stop mydisks-d1.mount
Warning: The unit file, source configuration file or drop-ins of mydisks-d1.mount changed on disk. Run 'systemctl daemon-reload' to reload units.
[sunbeam@server ~]$ sudo systemctl daemon-reload
[sunbeam@server ~]$ sudo systemctl restart mydisks-d1.mount
[sunbeam@server ~]$ sudo systemctl restart mydisks-d2.mount
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ suod findmnt | grep "mydisks"
-bash: suod: command not found
[sunbeam@server ~]$ sudo findmnt | grep "mydisks"
┌─/mydisks/d1          /dev/mapper/myvg-lv1  ext4      rw,relatime,seclabel
└─/mydisks/d2          /dev/mapper/myvg-lv2  ext4      rw,relatime,seclabel
[sunbeam@server ~]$
[sunbeam@server ~]$
```