

```
[root@svr ~]# lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda                                  8:0      0   30G  0 disk
├─sda1                               8:1      0    1G  0 part /boot
├─sda2                               8:2      0   29G  0 part
│   └─centos-root 253:0      0   26G  0 lvm  /
│       └─centos-swap 253:1    0    3G  0 lvm  [SWAP]
sdb                                  8:16     0    5G  0 disk
├─sdb1                               8:17     0    5G  0 part
sdc                                  8:32     0    5G  0 disk
sdd                                  8:48     0    5G  0 disk
sde                                  8:64     0    5G  0 disk
sr0                                  11:0     1  4.4G  0 rom   /run/media/root/CentOS 7 x86_64
[root@svr ~]#
```

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root@svr:~
File Edit View Search Terminal Help
[root@svr ~]# fdisk /dev/sdc
Welcome to fdisk (util-linux 2.23.2).

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
Building a new DOS disklabel with disk identifier 0xc1ff3f0a.

Command (m for help): n
Partition type:
   p   primary (0 primary, 0 extended, 4 free)
   e   extended
Select (default p):
Using default response p
Partition number (1-4, default 1):
First sector (2048-10485759, default 2048):
Using default value 2048
Last sector, +sectors or +size{K,M,G} (2048-10485759, default 10485759):
Using default value 10485759
Partition 1 of type Linux and of size 5 GiB is set

Command (m for help): l

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root@svr:~  
File Edit View Search Terminal Help  
Selected partition 1  
Hex code (type L to list all codes): 8e  
Changed type of partition 'Linux' to 'Linux LVM'  
  
Command (m for help): w  
The partition table has been altered!  
  
Calling ioctl() to re-read partition table.  
Syncing disks.  
[root@svr ~]# lsblk  
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT  
sda      8:0    0 30G 0 disk  
├─sda1    8:1    0 1G 0 part /boot  
├─sda2    8:2    0 29G 0 part  
│ └─centos-root 253:0 0 26G 0 lvm /  
│ └─centos-swap 253:1 0 3G 0 lvm [SWAP]  
sdb      8:16   0 5G 0 disk  
├─sdb1    8:17   0 5G 0 part  
sdc      8:32   0 5G 0 disk  
├─sdc1    8:33   0 5G 0 part  
sdd      8:48   0 5G 0 disk  
sde      8:64   0 5G 0 disk  
sr0     11:0    1 4.4G 0 rom /run/media/root/CentOS 7 x86_64  
[root@svr ~]#
```

```
root@svr:~  
File Edit View Search Terminal Help  
e W95 FAT16 (LBA) 53 OnTrack DM6 Aux a5 FreeBSD ee GPT  
f W95 Ext'd (LBA) 54 OnTrackDM6 a6 OpenBSD ef EFI (FAT-12/16/  
10 OPUS 55 EZ-Drive a7 NextSTEP f0 Linux/PA-RISC b  
11 Hidden FAT12 56 Golden Bow a8 Darwin UFS f1 SpeedStor  
12 Compaq diagnost 5c Priam Edisk a9 NetBSD f4 SpeedStor  
14 Hidden FAT16 <3 61 SpeedStor ab Darwin boot f2 DOS secondary  
16 Hidden FAT16 63 GNU HURD or Sys af HFS / HFS+ fb VMware VMFS  
17 Hidden HPFS/NTF 64 Novell Netware b7 BSDI fs fc VMware VMKCORE  
18 AST SmartSleep 65 Novell Netware b8 BSDI swap fd Linux raid auto  
1b Hidden W95 FAT3 70 DiskSecure Mult bb Boot Wizard hid fe LANstep  
1c Hidden W95 FAT3 75 PC/IX be Solaris boot ff BBT  
1e Hidden W95 FAT1 80 Old Minix  
  
Command (m for help): t  
Selected partition 1  
Hex code (type L to list all codes): 8e  
Changed type of partition 'Linux' to 'Linux LVM'  
  
Command (m for help): w  
The partition table has been altered!  
  
Calling ioctl() to re-read partition table.  
Syncing disks.  
[root@svr ~]#
```

```
root@svr:~  
File Edit View Search Terminal Help  
sr0      11:0    1 4.4G 0 rom /run/media/root/CentOS 7 x86_64  
[root@svr ~]# fdisk /dev/sdd  
Welcome to fdisk (util-linux 2.23.2).  
  
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  
Building a new DOS disklabel with disk identifier 0x82a546b2.  
  
Command (m for help): n  
Partition type:  
p primary (0 primary, 0 extended, 4 free)  
e extended  
Select (default p):  
Using default response p  
Partition number (1-4, default 1):  
First sector (2048-10485759, default 2048):  
Using default value 2048  
Last sector, +sectors or +size(K,M,G) (2048-10485759, default 10485759):  
Using default value 10485759  
Partition 1 of type Linux and of size 5 GiB is set  
  
Command (m for help): l
```

```
[root@svr ~]# pvcreate /dev/sdc1 /dev/sdd1 /dev/sdb1  
WARNING: xfs signature detected on /dev/sdb1 at offset 0. Wipe it? [y/n]: y  
Wiping xfs signature on /dev/sdb1.  
Physical volume "/dev/sdc1" successfully created.  
Physical volume "/dev/sdd1" successfully created.  
Physical volume "/dev/sdb1" successfully created.  
[root@svr ~]#  
[root@svr ~]#
```

```
root@svr:~  
File Edit View Search Terminal Tabs Help  
root@svr:~  
[root@svr ~]# vgcreate vg1 /dev/sdc1 /dev/sdd1 /dev/sdb1  
Volume group "vg1" successfully created  
[root@svr ~]# vgs  
VG      #PV #LV #SN Attr   VSize  VFree  
centos  1  2  0 wz--n- <29.00g  0  
vg1     3  0  0 wz--n- <14.99g <14.99g  
[root@svr ~]#
```

```
root@svr:~  
File Edit View Search Terminal Tabs Help  
root@svr:~  
[root@svr ~]# vgcreate vg1 /dev/sdc1 /dev/sdd1 /dev/sdb1  
Volume group "vg1" successfully created  
[root@svr ~]# vgs  
VG      #PV #LV #SN Attr   VSize  VFree  
centos  1  2  0 wz--n- <29.00g  0  
vg1     3  0  0 wz--n- <14.99g <14.99g  
[root@svr ~]# lvcreate -l 50%FREE -n lv1 vg1  
WARNING: xfs signature detected on /dev/vg1/lv1 at offset 0. Wipe it? [y/n]: y  
Wiping xfs signature on /dev/vg1/lv1.  
Logical volume "lv1" created.  
[root@svr ~]#
```



