

parted	/dev/sdb LVM	3
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parted

/dev/sdb LVM

/dev/sdb

가

1. 1. parted LVM
2. 2. PV(Physical Volume)
3. 3. VG(Volume Group)
4. 4. LV(Logical Volume)
5. 5.
6. 6.
7. 7. ()

1. `parted` LVM

/dev/sdb LVM

1. **`parted` :**

sudo parted /dev/sdb

2. ** * **GPT () 가 2TB :**

(parted) mklabel gpt

- **MSDOS (MBR):**

(parted) mklabel msdos

가 //Yes//

3. ** :**

LVM

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(parted) mkpart primary 0% 100%

- *primary*: (MBR . GPT ,)
- *0%*: ()
- *100%*: ()

4. ** :**

(parted) print

(Number) . ***1***

5. ** () LVM :**
(:**1**) LVM .

(parted) set 1 lvm on

6. ** `parted` :**

(parted) quit

/dev/sdb1 () LVM . `lsblk` `fdisk -l
/dev/sdb` .

2. PV(Physical Volume)

`parted` (/dev/sdb1) LVM Physical Volume .

sudo pvcreate /dev/sdb1

sudo pvs

sudo pvdisk /dev/sdb1

3. VG(Volume Group)

PV Volume Group . VG . PV

```
sudo vgcreate < _VG_ > /dev/sdb1
• `< _VG_ >`: VG ( : `myvg`, `datavg` ).
```

:

```
sudo vgcreate my_volume_group /dev/sdb1
```

```
sudo vgs
#
sudo vgdisplay < _VG_ >
```

4. LV(Logical Volume)

VG Logical Volume .

- **LV** :

```
sudo lvcreate -L < > -n < _LV_ > <VG_ >
• `< >`: `10G` (10 가 ), `500M` (500 가 )
• `< _LV_ >`: LV ( : `mylv`, `webdata_lv` ).
```

- `(10GB LV)`:

```
sudo lvcreate -L 10G -n logical_volumel my_volume_group
```

- **VG** **LV** :

```
sudo lvcreate -l 100%FREE -n < _LV_ > <VG_ >
```

:

```
sudo lvcreate -l 100%FREE -n data_lv my_volume_group
```

```
sudo lvs
#
sudo lvdisplay /dev/<VG_ >/<LV_ >
```

LV /dev/<VG_ >/<LV_ > /dev/mapper/<VG_ >-<LV_ >

5.

LV

`xfs` `ext4`

- **XFS**

```
sudo mkfs.xfs /dev/<VG_>/<LV_>
```

:

```
sudo mkfs.xfs /dev/my_volume_group/logical_volume1
```

- **EXT4**

```
sudo mkfs.ext4 /dev/<VG_>/<LV_>
```

:

```
sudo mkfs.ext4 /dev/my_volume_group/logical_volume1
```

6.

```
1. ** :**
```

```
sudo mkdir /mnt/<---->
```

:

```
sudo mkdir /mnt/my_lvm_data
```

```
2. ** :**
```

```
sudo mount /dev/<VG_>/<LV_> /mnt/<---->
```

:

```
sudo mount /dev/my_volume_group/logical_volume1 /mnt/my_lvm_data
```

```
3. ** :**
```

```
df -h
lsblk
```

()

/etc/fstab 가 .

1. **LV UUID :**

```
sudo blkid /dev/<VG_>/<LV_>
```

`UUID="...`

2. **// /etc/fstab // :**

```
sudo nano /etc/fstab
# sudo vi /etc/fstab
```

가 .

UUID=< _UUID> /mnt/< - - - > < - > defaults
0 0

• `< - >` : `xfs` `ext4`

(XFS) :

UUID="xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" /mnt/my_lvm_data xfs defaults
0 0

3. **fstab () :**

```
sudo umount /mnt/my_lvm_data
```

, fstab

```
sudo mount -a
```

가 `df -h` .

—
`parted` . /dev/sdb LVM
`<VG_>`, `<LV_>`, LVM

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