

<b>parted</b>	<b>/dev/sdb LVM</b>	.....	3
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		.....	3



# 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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