

How to Create Swap by Using Parted Command ?

```
root@localhost ~]# lsblk
NAME      MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda        8:0    0   30G  0 disk
â"œâ"€sda1    8:1    0 1000M  0 part /boot
â"œâ"€sda2    8:2    0 14.7G  0 part /
â"œâ"€sda3    8:3    0    2G  0 part [SWAP]
sdb        8:16   0   10G  0 disk
sr0       11:0    1  6.6G  0 rom  /run/media/root/RHEL-8-0-0-BaseOS-
x86_64
[root@localhost ~]#
root@localhost ~]# parted /dev/sdb print
Error: /dev/sdb: unrecognised disk label
Model: ATA VMware Virtual S (scsi)
Disk /dev/sdb: 10.7GB
Sector size (logical/physical): 512B/512B
Partition Table: unknown
Disk Flags:
[root@localhost ~]#
[root@localhost ~]# parted /dev/sdb print
Error: /dev/sdb: unrecognised disk label
Model: ATA VMware Virtual S (scsi)
Disk /dev/sdb: 10.7GB
Sector size (logical/physical): 512B/512B
Partition Table: unknown
Disk Flags:
[root@localhost ~]# parted /dev/sdb mklabel msdos
Information: You may need to update /etc/fstab.

[root@localhost ~]#
[root@localhost ~]# parted /dev/sdb print
Model: ATA VMware Virtual S (scsi)
Disk /dev/sdb: 10.7GB
Sector size (logical/physical): 512B/512B
Partition Table: msdos
Disk Flags:

Number      Start      End      Size      Type      File system  Flags

[root@localhost ~]#

root@localhost ~]# parted /dev/sdb
GNU Parted 3.2
Using /dev/sdb
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) print
Model: ATA VMware Virtual S (scsi)
Disk /dev/sdb: 10.7GB
Sector size (logical/physical): 512B/512B
```

Partition Table: msdos
Disk Flags:

Number	Start	End	Size	Type	File system	Flags
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```
(parted) mkpart
Partition type?  primary/extended? primary
File system type?  [ext2]? linux-swap
(parted) mkpart
Partition type?  primary/extended? primary
File system type?  [ext2]? linux-swap
Start? 2048s
End? 1024MB
(parted)
(parted) print
Model: ATA VMware Virtual S (scsi)
Disk /dev/sdb: 10.7GB
Sector size (logical/physical): 512B/512B
Partition Table: msdos
Disk Flags:
```

Number	Start	End	Size	Type	File system	Flags
1	1049kB	1024MB	1023MB	primary	linux-swap(v1)	lba

```
(parted) quit
Information: You may need to update /etc/fstab.
```

```
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# parted /dev/sdb print
Model: ATA VMware Virtual S (scsi)
Disk /dev/sdb: 10.7GB
Sector size (logical/physical): 512B/512B
Partition Table: msdos
Disk Flags:
```

Number	Start	End	Size	Type	File system	Flags
1	1049kB	1024MB	1023MB	primary		

```
[root@localhost ~]#
[root@localhost ~]# udevadm settle
[root@localhost ~]#
[root@localhost ~]# fdisk -l
Disk /dev/sda: 30 GiB, 32212254720 bytes, 62914560 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0xf085a991
```

Device	Boot	Start	End	Sectors	Size	Id	Type
/dev/sda1	*	2048	2050047	2048000	1000M	83	Linux
/dev/sda2		2050048	32770047	30720000	14.7G	83	Linux
/dev/sda3		32770048	36866047	4096000	2G	82	Linux swap / Solaris

Disk /dev/sdb: 10 GiB, 10737418240 bytes, 20971520 sectors
 Units: sectors of 1 * 512 = 512 bytes
 Sector size (logical/physical): 512 bytes / 512 bytes
 I/O size (minimum/optimal): 512 bytes / 512 bytes
 Disklabel type: dos
 Disk identifier: 0xab7d66e7

Device	Boot	Start	End	Sectors	Size	Id	Type
/dev/sdb1		2048	2000895	1998848	976M	82	Linux swap / Solaris

```

[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# mkswap /dev/sdb1
Setting up swapspace version 1, size = 976 MiB (1023406080 bytes)
no label, UUID=68d427de-0c83-4ad8-ba3d-2f57764d11e1
[root@localhost ~]#
[root@localhost ~]# swapon /dev/sdb1
[root@localhost ~]#
[root@localhost ~]# swapon -s

```

Filename	Type	Size	Used	Priority
/dev/sda3	partition	2047996	0	
-2				
/dev/sdb1	partition	999420	0	
-3				

```

[root@localhost ~]#

```

How to create Standard partition By using Parted Command ?

```

[root@localhost ~]# fdisk -l /dev/sdb
Disk /dev/sdb: 10 GiB, 10737418240 bytes, 20971520 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0xab7d66e7

```

Device	Boot	Start	End	Sectors	Size	Id	Type
/dev/sdb1		2048	2000895	1998848	976M	82	Linux swap / Solaris

```

[root@localhost ~]#
[root@localhost ~]# parted /dev/sdb

```

```

[root@localhost ~]# parted /dev/sdb
GNU Parted 3.2
Using /dev/sdb
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) mkpart
Partition type? primary/extended? primary
File system type? [ext2]? xfs
Start? 2000896s
End? 2048MB
(parted)
(parted) quit
Information: You may need to update /etc/fstab.

[root@localhost ~]#
[root@localhost ~]# udevadm settle

[root@localhost ~]# mkfs.xfs /dev/sdb2

[root@localhost ~]# mkdir /storage
[root@localhost ~]# mount /dev/sdb2 /storage
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
sda 8:0 0 30G 0 disk
  â€œâ€œsda1 8:1 0 1000M 0 part /boot
  â€œâ€œsda2 8:2 0 14.7G 0 part /
  â€œâ€œsda3 8:3 0 2G 0 part [SWAP]
sdb 8:16 0 10G 0 disk
  â€œâ€œsdb1 8:17 0 976M 0 part [SWAP]
  â€œâ€œsdb2 8:18 0 976M 0 part /storage
sr0 11:0 1 6.6G 0 rom /run/media/root/RHEL-8-0-0-BaseOS-
x86_64
[root@localhost ~]#
[root@localhost ~]# vim /etc/fstab

/dev/sdb1 swap swap
defaults 0 0
/dev/sdb2 /storage xfs
defaults 0 0

save and quit

[root@localhost ~]# systemctl daemon-reload
[root@localhost ~]#
[root@localhost ~]# free -h

```

	total	used	free	shared	buff/cache
available					
Mem:	3.7Gi	1.2Gi	1.8Gi	19Mi	645Mi
2.2Gi					
Swap:	2.9Gi	0B	2.9Gi		

```
[root@localhost ~]#
```

```
[root@localhost ~]# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	1.9G	0	1.9G	0%	/dev
tmpfs	1.9G	0	1.9G	0%	/dev/shm
tmpfs	1.9G	9.9M	1.9G	1%	/run
tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
/dev/sda2	15G	3.9G	11G	27%	/
/dev/sda1	994M	165M	830M	17%	/boot
tmpfs	376M	16K	376M	1%	/run/user/42
tmpfs	376M	4.6M	372M	2%	/run/user/0
/dev/sr0	6.7G	6.7G	0	100%	/run/media/root/RHEL-8-0-0-

```
BaseOS-x86_64
```

/dev/sdb2	970M	40M	931M	5%	/storage
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```
[root@localhost ~]#
```

How to Delete ?

```
[root@localhost ~]# swapoff /dev/sdb1
```

```
[root@localhost ~]#
```

```
[root@localhost ~]# swapon -s
```

Filename	Type	Size	Used	Priority
/dev/sda3				partition 2047996
-2				0

```
[root@localhost ~]#
```

```
[root@localhost ~]# umount /storage
```

```
[root@localhost ~]#
```

```
[root@localhost ~]# vim /etc/fstab
```

delete the last two entry...

save and quit

```
[root@localhost ~]# systemctl daemon-reload
```

```
[root@localhost ~]#
```

```
[root@localhost ~]# parted /dev/sdb
```

```
GNU Parted 3.2
```

```
Using /dev/sdb
```

```
Welcome to GNU Parted! Type 'help' to view a list of commands.
```

```
(parted) rm
```

```
Partition number? 2
```

```
(parted)
```

```
(parted) rm
```

```
Partition number? 1
```

```
(parted)
```

```
(parted) quit
```

Information: You may need to update /etc/fstab.

```
[root@localhost ~]# udevadm settle  
[root@localhost ~]#
```

*****Complete*****