# 选择要进行分区的磁盘

[root@gwssi-lt-app2 /]# parted /dev/sdb

GNU Parted 2.1

使用 /dev/sdb

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

# 建立gpt分区表

(parted) mklabel gpt

警告: The existing disk label on /dev/sdb will be destroyed and all data on this disk will be lost. Do you want to continue?

是/Yes/否/No? yes

# 分配硬盘地址空间，mkpart 磁盘名称 开始磁盘大小，结束磁盘大小

(parted) mkpart disk\_b 0KB 4001GB

警告: You requested a partition from 0.00B to 4001GB.

The closest location we can manage is 17.4kB to 4001GB.

Is this still acceptable to you?

是/Yes/否/No? yes

警告: The resulting partition is not properly aligned for best performance.

忽略/Ignore/放弃/Cancel? Ignore

(parted) q

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

# 为新分区建立ext4文件系统，sde1是sde的具体盘号，默认为\*\*\*1

[root@gwssi-lt-app2 /]# mkfs -t ext4 /dev/sdb1

mke2fs 1.41.12 (17-May-2010)

文件系统标签=

操作系统:Linux

块大小=4096 (log=2)

分块大小=4096 (log=2)

Stride=0 blocks, Stripe width=0 blocks

244195328 inodes, 976754637 blocks

48837731 blocks (5.00%) reserved for the super user

第一个数据块=0

Maximum filesystem blocks=4294967296

29809 block groups

32768 blocks per group, 32768 fragments per group

8192 inodes per group

Superblock backups stored on blocks:

32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,

4096000, 7962624, 11239424, 20480000, 23887872, 71663616, 78675968,

102400000, 214990848, 512000000, 550731776, 644972544

正在写入inode表: 完成

Creating journal (32768 blocks): 完成

Writing superblocks and filesystem accounting information: 完成

This filesystem will be automatically checked every 26 mounts or

180 days, whichever comes first. Use tune2fs -c or -i to override.

# 新建文件夹/disk\_b，用于挂载空盘

[root@gwssi-lt-app2 /]# mkdir /disk\_b

# 挂载磁盘并设置可读写

[root@gwssi-lt-app2 /]# mount -t ext4 -o rw /dev/sdb1 /disk\_b

# 查看挂载

[root@gwssi-lt-app2 /]# mount

/dev/sda8 on / type ext4 (rw)

proc on /proc type proc (rw)

sysfs on /sys type sysfs (rw)

devpts on /dev/pts type devpts (rw,gid=5,mode=620)

tmpfs on /dev/shm type tmpfs (rw,rootcontext="system\_u:object\_r:tmpfs\_t:s0")

/dev/sda6 on /boot type ext4 (rw)

/dev/sda5 on /boot/efi type vfat (rw,umask=0077,shortname=winnt)

none on /proc/sys/fs/binfmt\_misc type binfmt\_misc (rw)

gvfs-fuse-daemon on /root/.gvfs type fuse.gvfs-fuse-daemon (rw,nosuid,nodev)

/dev/sdb1 on /disk\_b type ext4 (rw)

# 修改fstab

[root@gwssi-lt-app2 /]# blkid | grep sdb1

/dev/sdb1: UUID="438f09ad-bdf1-49f7-b863-edfce25a3094" TYPE="ext4"

#追加UUID到fstab

[root@gwssi-lt-app2 /]# blkid | grep sdb1 | awk '{print $2}' | xargs echo >> /etc/fstab

#修改fstab

[root@gwssi-lt-app2 /]# vi /etc/fstab

[root@gwssi-lt-app2 /]# cat /etc/fstab

#

# /etc/fstab

# Created by anaconda on Tue Nov 28 22:07:59 2017

#

# Accessible filesystems, by reference, are maintained under '/dev/disk'

# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info

#

UUID=8f10c351-4728-45ed-8a93-26599b3ab4fa / ext4 defaults 1 1

UUID=8111be5f-3992-47ef-b760-8805a350e99b /boot ext4 defaults 1 2

UUID=C230-B6C6 /boot/efi vfat umask=0077,shortname=winnt 0 0

UUID=c9e8809e-3363-48b1-bae0-5f5c5d6efaf1 swap swap defaults 0 0

UUID=c563ef41-128d-4231-a46b-1165475e98c8 swap swap defaults 0 0

tmpfs /dev/shm tmpfs defaults 0 0

devpts /dev/pts devpts gid=5,mode=620 0 0

sysfs /sys sysfs defaults 0 0

proc /proc proc defaults 0 0

UUID=438f09ad-bdf1-49f7-b863-edfce25a3094 /disk\_b ext4 defaults 0 0

#查看挂载是否有错误，-a：加载文件“/etc/fstab”中描述的所有文件系统

[root@gwssi-lt-app2 /]# mount -a

[root@gwssi-lt-app2 /]# mount

/dev/sda8 on / type ext4 (rw)

proc on /proc type proc (rw)

sysfs on /sys type sysfs (rw)

devpts on /dev/pts type devpts (rw,gid=5,mode=620)

tmpfs on /dev/shm type tmpfs (rw,rootcontext="system\_u:object\_r:tmpfs\_t:s0")

/dev/sda6 on /boot type ext4 (rw)

/dev/sda5 on /boot/efi type vfat (rw,umask=0077,shortname=winnt)

none on /proc/sys/fs/binfmt\_misc type binfmt\_misc (rw)

gvfs-fuse-daemon on /root/.gvfs type fuse.gvfs-fuse-daemon (rw,nosuid,nodev)

/dev/sdb1 on /disk\_b type ext4 (rw)

[root@gwssi-lt-app2 /]# df -h

Filesystem Size Used Avail Use% Mounted on

/dev/sda8 3.3T 8.6G 3.1T 1% /

tmpfs 7.8G 224K 7.8G 1% /dev/shm

/dev/sda6 190M 32M 149M 18% /boot

/dev/sda5 200M 260K 200M 1% /boot/efi

/dev/sdb1 3.6T 68M 3.4T 1% /disk\_b