# 流程

新建分区🡪格式化磁盘🡪挂载分区🡪开机生效

# 操作

## 查看分区

[root@master ~]# fdisk -l

Disk /dev/sda: 21.5 GB, 21474836480 bytes

255 heads, 63 sectors/track, 2610 cylinders

Units = cylinders of 16065 \* 512 = 8225280 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk identifier: 0x00034f3c

Device Boot Start End Blocks Id System

/dev/sda1 \* 1 39 307200 83 Linux

Partition 1 does not end on cylinder boundary.

/dev/sda2 39 2350 18566144 83 Linux

/dev/sda3 2350 2611 2097152 82 Linux swap / Solaris

Disk /dev/sdb: 1073 MB, 1073741824 bytes

255 heads, 63 sectors/track, 130 cylinders

Units = cylinders of 16065 \* 512 = 8225280 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk identifier: 0x00000000

## 新建主分区

[root@master ~]# fdisk /dev/sdb

Device contains neither a valid DOS partition table, nor Sun, SGI or OSF disklabel

Building a new DOS disklabel with disk identifier 0x4e583b47.

Changes will remain in memory only, until you decide to write them.

After that, of course, the previous content won't be recoverable.

Warning: invalid flag 0x0000 of partition table 4 will be corrected by w(rite)

WARNING: DOS-compatible mode is deprecated. It's strongly recommended to

switch off the mode (command 'c') and change display units to

sectors (command 'u').

Command (m for help): m

Command action

a toggle a bootable flag

b edit bsd disklabel

c toggle the dos compatibility flag

d delete a partition

l list known partition types

m print this menu

n add a new partition

o create a new empty DOS partition table

p print the partition table

q quit without saving changes

s create a new empty Sun disklabel

t change a partition's system id

u change display/entry units

v verify the partition table

w write table to disk and exit

x extra functionality (experts only)

Command (m for help): n

Command action

e extended

p primary partition (1-4)

p

Partition number (1-4): 1

First cylinder (1-130, default 1):

Using default value 1

Last cylinder, +cylinders or +size{K,M,G} (1-130, default 130):

Using default value 130

Command (m for help): w

The partition table has been altered!

Calling ioctl() to re-read partition table.

Syncing disks.

查看新建的分区

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Device Boot Start End Blocks Id System

/dev/sdb1 1 130 1044193+ 83 Linux

[root@master ~]# mkfs -t ext /dev/sdb1

mkfs.ext: No such file or directory

## 格式化磁盘

[root@master ~]# mkfs -t ext3 /dev/sdb1

mke2fs 1.41.12 (17-May-2010)

Filesystem label=

OS type: Linux

Block size=4096 (log=2)

Fragment size=4096 (log=2)

Stride=0 blocks, Stripe width=0 blocks

65280 inodes, 261048 blocks

13052 blocks (5.00%) reserved for the super user

First data block=0

Maximum filesystem blocks=268435456

8 block groups

32768 blocks per group, 32768 fragments per group

8160 inodes per group

Superblock backups stored on blocks:

32768, 98304, 163840, 229376

Writing inode tables: done

Creating journal (4096 blocks): done

Writing superblocks and filesystem accounting information: done

This filesystem will be automatically checked every 21 mounts or

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

## 挂载磁盘：

[root@master ~]# mount /dev/sdb1 /newdisk

## 编辑文件使得开机生效

Vim /etc/fstab

在最后添加：

/dev/sdb1 /newdisk ext3 defaults 1 1 #根据实际分区的情况添加值

重启即可！

查看：

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