

如何在solaris下面对硬盘分区格式化

关键字:

分区;磁盘;格式化;format;newfs

内容摘要:

如何定位磁盘如何在solaris下面对硬盘分区格式化。

正文

1) format创建分区

bash-2.05# format (红色为注解和键入的命令)

Searching for disks...done

AVAILABLE DISK SELECTIONS:

- 0. c1t0d0 <SUN146G cyl 14087 alt 2 hd 24 sec 848>
/pci@9,600000/SUNW,qlc@2/tp@0,0/ssd@w210000008780b94d,0
- 1. c1t1d0 <SUN146G cyl 14087 alt 2 hd 24 sec 848>
/pci@9,600000/SUNW,qlc@2/tp@0,0/ssd@w210000008780c697,0
- 2. c2t6d0 <FALCON-IPSTORDISK-v1.0 cyl 40958 alt 2 hd 32 sec 32>
/iscsipseudo/iscsi@0/sd@6,0
- 3. c2t7d0 <drive not available>
/iscsipseudo/iscsi@0/sd@7,0

Specify disk (enter its number): 2

selecting c2t6d0

[disk formatted]

FORMAT MENU:

- disk - select a disk
- type - select (define) a disk type
- partition - select (define) a partition table
- current - describe the current disk
- format - format and analyze the disk
- repair - repair a defective sector
- label - write label to the disk
- analyze - surface analysis
- defect - defect list management
- backup - search for backup labels
- verify - read and display labels
- save - save new disk/partition definitions
- inquiry - show vendor, product and revision
- volname - set 8-character volume name
- !<cmd> - execute <cmd>, then return
- quit

format> p

PARTITION MENU:

- 0 - change `0' partition
- 1 - change `1' partition
- 2 - change `2' partition
- 3 - change `3' partition
- 4 - change `4' partition
- 5 - change `5' partition
- 6 - change `6' partition
- 7 - change `7' partition
- select - select a predefined table
- modify - modify a predefined partition table
- name - name the current table
- print - display the current table
- label - write partition map and label to the disk
- !<cmd> - execute <cmd>, then return
- quit

partition> p

Current partition table (original):

Total disk cylinders available: 40958 + 2 (reserved cylinders)

Part	Tag	Flag	Cylinders	Size	Blocks
------	-----	------	-----------	------	--------

```
0 unassigned wm 0 0 (0/0/0) 0
1 swap wu 256 - 511 128.00MB (256/0/0) 262144
2 backup wu 0 - 40957 20.00GB (40958/0/0) 41940992
3 home wm 0 - 6143 3.00GB (6144/0/0) 6291456
4 unassigned wm 6144 - 16383 5.00GB (10240/0/0) 10485760
5 unassigned wm 0 0 (0/0/0) 0
6 unassigned wm 0 0 (0/0/0) 0
7 unassigned wm 0 0 (0/0/0) 0
```

(先删掉4, 1, 3分区的步骤)

partition> 4

```
Part Tag Flag Cylinders Size Blocks
4 unassigned wm 6144 - 16383 5.00GB (10240/0/0) 10485760
```

Enter partition id tag[unassigned]:

Enter partition permission flags[wm]:

Enter new starting cyl[6144]:

Enter partition size[10485760b, 10240c, 16383e, 5120.00mb, 5.00gb]: 0gb

partition> p

Current partition table (unnamed):

Total disk cylinders available: 40958 + 2 (reserved cylinders)

```
Part Tag Flag Cylinders Size Blocks
0 unassigned wm 0 0 (0/0/0) 0
1 swap wu 256 - 511 128.00MB (256/0/0) 262144
2 backup wu 0 - 40957 20.00GB (40958/0/0) 41940992
3 home wm 0 - 6143 3.00GB (6144/0/0) 6291456
4 unassigned wm 0 0 (0/0/0) 0
5 unassigned wm 0 0 (0/0/0) 0
6 unassigned wm 0 0 (0/0/0) 0
7 unassigned wm 0 0 (0/0/0) 0
```

partition> 1

```
Part Tag Flag Cylinders Size Blocks
1 swap wu 256 - 511 128.00MB (256/0/0) 262144
```

Enter partition id tag[swap]:

Enter partition permission flags[wu]:

Enter new starting cyl[256]:

Enter partition size[262144b, 256c, 511e, 128.00mb, 0.12gb]: 0

partition> p

Current partition table (unnamed):

Total disk cylinders available: 40958 + 2 (reserved cylinders)

```
Part Tag Flag Cylinders Size Blocks
0 unassigned wm 0 0 (0/0/0) 0
1 unassigned wu 0 0 (0/0/0) 0
2 backup wu 0 - 40957 20.00GB (40958/0/0) 41940992
3 home wm 0 - 6143 3.00GB (6144/0/0) 6291456
4 unassigned wm 0 0 (0/0/0) 0
5 unassigned wm 0 0 (0/0/0) 0
6 unassigned wm 0 0 (0/0/0) 0
7 unassigned wm 0 0 (0/0/0) 0
```

partition> 3

```
Part Tag Flag Cylinders Size Blocks
3 home wm 0 - 6143 3.00GB (6144/0/0) 6291456
```

Enter partition id tag[home]: 0

`0' not expected.

Enter partition id tag[home]:

Enter partition permission flags[wm]:

Enter new starting cyl[0]:

Enter partition size[6291456b, 6144c, 6143e, 3072.00mb, 3.00gb]: 0gb

partition> p

Current partition table (unnamed):

Total disk cylinders available: 40958 + 2 (reserved cylinders)

```
Part Tag Flag Cylinders Size Blocks
0 unassigned wm 0 0 (0/0/0) 0
1 unassigned wu 0 0 (0/0/0) 0
2 backup wu 0 - 40957 20.00GB (40958/0/0) 41940992
```

```

3 unassigned wm 0 0 (0/0/0) 0
4 unassigned wm 0 0 (0/0/0) 0
5 unassigned wm 0 0 (0/0/0) 0
6 unassigned wm 0 0 (0/0/0) 0
7 unassigned wm 0 0 (0/0/0) 0

```

(新建0, 1分区的命令)

partition> 0

```

Part Tag Flag Cylinders Size Blocks
0 unassigned wm 0 0 (0/0/0) 0

```

Enter partition id tag[unassigned]:

Enter partition permission flags[wm]:

Enter new starting cyl[0]: 0

Enter partition size[0b, 0c, 0e, 0.00mb, 0.00gb]: 3500.00mb

partition> p

Current partition table (unnamed):

Total disk cylinders available: 40958 + 2 (reserved cylinders)

```

Part Tag Flag Cylinders Size Blocks
0 unassigned wm 0 - 6999 3.42GB (7000/0/0) 7168000
1 unassigned wu 0 0 (0/0/0) 0
2 backup wu 0 - 40957 20.00GB (40958/0/0) 41940992
3 unassigned wm 0 0 (0/0/0) 0
4 unassigned wm 0 0 (0/0/0) 0
5 unassigned wm 0 0 (0/0/0) 0
6 unassigned wm 0 0 (0/0/0) 0
7 unassigned wm 0 0 (0/0/0) 0

```

partition> 1

```

Part Tag Flag Cylinders Size Blocks
1 unassigned wu 0 0 (0/0/0) 0

```

Enter partition id tag[unassigned]:

Enter partition permission flags[wu]:

Enter new starting cyl[0]: 7000

Enter partition size[0b, 0c, 7000e, 0.00mb, 0.00gb]: 4500mb

partition> p

Current partition table (unnamed):

Total disk cylinders available: 40958 + 2 (reserved cylinders)

```

Part Tag Flag Cylinders Size Blocks
0 unassigned wm 0 - 6999 3.42GB (7000/0/0) 7168000
1 unassigned wu 7000 - 15999 4.39GB (9000/0/0) 9216000
2 backup wu 0 - 40957 20.00GB (40958/0/0) 41940992
3 unassigned wm 0 0 (0/0/0) 0
4 unassigned wm 0 0 (0/0/0) 0
5 unassigned wm 0 0 (0/0/0) 0
6 unassigned wm 0 0 (0/0/0) 0
7 unassigned wm 0 0 (0/0/0) 0

```

partition> q

FORMAT MENU:

```

disk - select a disk
type - select (define) a disk type
partition - select (define) a partition table
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repair - repair a defective sector
label - write label to the disk
analyze - surface analysis
defect - defect list management
backup - search for backup labels
verify - read and display labels
save - save new disk/partition definitions
inquiry - show vendor, product and revision
volname - set 8-character volume name
!<cmd> - execute <cmd>, then return
quit

```

format> l (保存按L)

Ready to label disk, continue? yes

2) newfs创建文件系统

```
bash-2.05# newfs /dev/dsk/c2t6d0s0
```

```
newfs: /dev/rdisk/c2t6d0s0 last mounted as /test
```

```
newfs: construct a new file system /dev/rdisk/c2t6d0s0: (y/n)? yes
```

```
/dev/rdisk/c2t6d0s0: 7168000 sectors in 7000 cylinders of 32 tracks, 32 sectors  
3500.0MB in 81 cyl groups (87 c/g, 43.50MB/g, 5504 i/g)
```

```
super-block backups (for fsck -F ufs -o b=#) at:
```

```
32, 89152, 178272, 267392, 356512, 445632, 534752, 623872, 712992, 802112,  
6325504, 6414624, 6503744, 6592864, 6681984, 6771104, 6860224, 6949344,  
7038464, 7127584,
```

然后mount

```
bash-2.05# mount /dev/dsk/c2t6d0s0 /test
```

c2t6d0s0的新建的分区0 , c2t6d0s1的新建的分区1。

再编辑/etc/vfstab