

centos6 安装 iscsi 服务端

环境

1. 安装依赖

```
$ yum install -y scsi-target-utils libibverbs libibverbs-devel librdmacm librdmacm-devel
```

2. 配置并启动 tgt

```
$ chkconfig tgt on; /etc/init.d/tgt start
$ chkconfig --list | grep tgt
tgt          0:off 1:off 2:on 3:on 4:on 5:on 6:off
```

1. 创建 target

```
$ tgtadm --lld iscsi -o new -m target --tid 1 -T iqn.test.storage
```

```
#iqn.test.storage 0:0:0:0:0:0:0:0 , 0:0:0:0:0:0:0:0 0:0:0:0:0:0:0:0 0:0:0:0:0:0:0:0
```

2. 查看 target 信息

```
$ tgtadm --lld iscsi -o show -m target
```

Target 1: iqn.test.storage

System information:

Driver: iscsi

State: ready

I_T nexus information:

LUN information:

LUN: 0

Type: controller

SCSI ID: IET 00010000

```
SCSI SN: beaf10
Size: 0 MB, Block size: 1
Online: Yes
Removable media: No
Readonly: No
Backing store type: null
Backing store path: None
Backing store flags:
Account information:
ACL information:
```

3. `target` `lun`

```
$ tgtadm --lld iscsi -o new -m logicalunit --tid 1 --lun 1 -b /dev/sda5
```

4. `target` `lun` `show`

```
$ tgtadm --lld iscsi -o show -m target
Target 1: iqn.test.storage
System information:
  Driver: iscsi
  State: ready
I_T nexus information:
LUN information:
  LUN: 0
    Type: controller
    SCSI ID: IET 00010000
    SCSI SN: beaf10
    Size: 0 MB, Block size: 1
    Online: Yes
    Removable media: No
    Readonly: No
    Backing store type: null
    Backing store path: None
    Backing store flags:
  LUN: 1
    Type: disk
    SCSI ID: IET 00010001
    SCSI SN: beaf11
    Size: 10619 MB, Block size: 512
```

Online: Yes

Removable media: No

Readonly: No

Backing store type: rdwr

Backing store path: /dev/sda5

Backing store flags:

Account information:

ACL information:

5. target ☐ ☐ ☐

```
$ tgtadm --lld iscsi --op bind --mode target --tid 1 --initiator-address 192.168.100.10
```

6. target ☐ ☐☐☐

```
$ tgtadm --lld iscsi --op new --mode account --user test --password iscsitest
```

7. ☐☐☐ ☐☐☐☐ ☐☐☐

```
$ tgtadm --lld iscsi --op show --mode account
```

Account list:

test

8. ☐☐☐ ☐☐ ☐ ☐☐☐☐

```
$ tgtadm --lld iscsi --op bind --mode account --tid 1 --user test
```

9. ☐☐☐ ☐☐☐☐ ☐☐

```
$ tgtadm --lld iscsi --op show --mode target
```

Target 1: iqn.test.storage

System information:

Driver: iscsi

State: ready

I_T nexus information:

LUN information:

LUN: 0

Type: controller

SCSI ID: IET 00010000

SCSI SN: beaf10

Size: 0 MB, Block size: 1

Online: Yes

Removable media: No
Readonly: No
Backing store type: null
Backing store path: None
Backing store flags:
LUN: 1
Type: disk
SCSI ID: IET 00010001
SCSI SN: beaf11
Size: 10619 MB, Block size: 512
Online: Yes
Removable media: No
Readonly: No
Backing store type: rdwr
Backing store path: /dev/sda5
Backing store flags:
Account information:
test
ACL information:
192.168.100.10

10. `target` `target` `target` (`target` `target`)

```
$ mv /etc/tgt/targets.conf /etc/tgt/targets.conf_ori
$ tgt-admin --dump > /etc/tgt/targets.conf
```

11. `target` `target` `target` `target`

```
$ cat /etc/tgt/targets.conf

default-driver iscsi
<target iqn.test.storage>
    backing-store /dev/sda5
    incominguser test iscsitest
    # target target , 12 target target
    initiator-address 192.168.100.10
</target>
```

12. `target` `target`

```
$ /etc/init.d/tgtd restart
```

```
Stopping SCSI target daemon: Stopping target framework daemon
```

```
[ OK ]
```

```
Starting SCSI target daemon: Starting target framework daemon
```



1.

```
$ yum install -y iscsi-initiator-utils
```

2.

```
$ /etc/init.d/iscsi start
```

```
$ /etc/init.d/iscsid start
```

```
$ chkconfig iscsi on; chkconfig iscsid on;
```

3. target

```
$vi /etc/iscsi/iscsid.conf
```

```
#node.session.auth.username = username
```

```
#node.session.auth.password = password
```

```
#discovery.sendtargets.auth.username = username
```

```
#discovery.sendtargets.auth.password = password
```

```
# 4   
```

4. iscsid

```
$ /etc/init.d/iscsid restart
```

```
Stopping iSCSI daemon: [ OK ]
```

```
Starting iSCSI daemon: [ OK ]
```

5. target

```
$ iscsiadm --mode discovery --type sendtargets --portal 192.168.10.10 (target ip)
```

```
#192.168.10.10:3260,1 iqn.test.storage (  ,    ,    
```

```
"iscsiadm: No portals found"   .
```

6. target

```
$ iscsiadm --mode node --targetname iqn.test.storage --portal 192.168.10.10 -l -n node.startup -v automatic
```

7. 查看磁盘分区情况

```
$ fdisk -l
Disk /dev/sda: 21.4 GB, 21474836480 bytes
255 heads, 63 sectors/track, 2610 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

   Device Boot      Start         End      Blocks   Id  System
/dev/sda1  *           1           13     104391   83  Linux
/dev/sda2             14        1057     8385930   83  Linux
/dev/sda3          1058        1452     3172837+   82  Linux swap / Solaris
/dev/sda4          1453        2610     9301635    5  Extended
/dev/sda5          1453        2610     9301603+   83  Linux

Disk /dev/sdb: 10.6 GB, 10618804224 bytes
64 heads, 32 sectors/track, 10126 cylinders
Units = cylinders of 2048 * 512 = 1048576 bytes

Disk /dev/sdb doesn't contain a valid partition table
```

```
# 将 /dev/sdb 分区格式化为 ext3 文件系统，并挂载到 /data 目录。
```

8. 配置 fstab 文件

```
$ vi /etc/fstab
...
/dev/sdb1      /data         ext3 _netdev      0 0
```



1. iscsi 配置

```
$ iscsiadm -m node -T iqn.test.storage -p 192.168.10.10 -u
```

```
Logging out of session [sid: 1, target: iqn.test.storage, portal: 192.168.10.10,3260]
```

```
Logout of [sid: 1, target: iqn.test.storage, portal: 192.168.10.10,3260] successful.
```

2. ☐ ☐ ☐

```
$ iscsiadm -m node -T iqn.test.storage -p 192.168.10.10 -o delete
```

3. target ☐ ☐ ☐

```
$ tgtadm --lld iscsi --op show --mode session --tid 1 --sid 1
```

Revision #1

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