



RHEL7部署ISCSI SERVER

主机相关

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组网及说明

RHEL7部署ISCSI SERVER，作为共享存储使用。

配置步骤

装包 (yum源已提前配置好)

```
[root@host1 ~]# yum install targetcli -y
```

新建分区 (新建/dev/sdb1分区，大小为10G)

```
[root@host1 ~]# fdisk /dev/sdb
```

Welcome to fdisk (util-linux 2.23.2).

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

Be careful before using the write command.

Device does not contain a recognized partition table

Building a new DOS disklabel with disk identifier 0xb1af1bb0.

Command (m for help): n

Partition type:

p primary (0 primary, 0 extended, 4 free)

e extended

Select (default p): p

Partition number (1-4, default 1): 1

First sector (2048-209715199, default 2048):

Using default value 2048

Last sector, +sectors or +size{K,M,G} (2048-209715199, default 209715199): +10G

Partition 1 of type Linux and of size 10 GiB is set

Command (m for help): W

The partition table has been altered!

Calling ioctl() to re-read partition table.

Syncing disks.

创建block设备

```
[root@host1 ~]# targetcli
```

```
/ > cd backstores/block
```

```
/backstores/block> create iscsidisk1 /dev/sdb1
```

Created block storage object iscsidisk1 using /dev/sdb1.

配置iqn

```
/backstores/block> cd /
```

```
/ > cd iscsi/
```

```
/iscsi> create iqn.2018-06.com.ntae007:disk1
```

Created target iqn.2018-06.com.ntae007:disk1.

配置acl

配置允许哪些initiator端访问，本例允许2个节点的访问。

```
/iscsi> cd iqn.2018-06.com.ntae007:disk1/tpg1/acls
```

```
/iscsi/iqn.20...sk1/tpg1/acls> create iqn.2018-06.com.ntae007:cvk01
```

Created Node ACL for iqn.2018-06.com.ntae007:cvk01

```
/iscsi/iqn.20...sk1/tpg1/acls> create iqn.2018-06.com.ntae007:cvk02
```

Created Node ACL for iqn.2018-06.com.ntae007:cvk02

配置lun

```
/iscsi/iqn.20...sk1/tpg1/acls> cd /
```

```
/ > cd iscsi/iqn.2018-06.com.ntae007:disk1/tpg1/luns
```

```
/iscsi/iqn.20...sk1/tpg1/luns> create /backstores/block/iscsidisk1
```

Created LUN 0.

Created LUN 0->0 mapping in node ACL iqn.2018-06.com.ntae007:cvk02

Created LUN 0->0 mapping in node ACL iqn.2018-06.com.ntae007:cvk01

配置portal (先删除0.0.0.0，使其只在指定地址192.168.1.12监听3260端口)

```
/iscsi/iqn.20...sk1/tpg1/luns> cd /
```

```
/> cd /iscsi/iqn.2018-06.com.ntae007:disk1/tpg1/portals/  
/iscsi/iqn.20.../tpg1/portals> delete 0.0.0.0 3260  
Deleted network portal 0.0.0.0:3260  
/iscsi/iqn.20.../tpg1/portals> create 192.168.1.12 3260  
Using default IP port 3260  
Created network portal 192.168.1.12:3260.
```

保存配置

```
/iscsi/iqn.20.../tpg1/portals> cd /  
/> saveconfig  
/> exit
```

启动服务

```
[root@host1 ~]# systemctl start target  
[root@host1 ~]# systemctl enable target
```

打开防火墙

```
[root@host1 ~]# firewall-cmd --permanent --add-service=mysql  
[root@host1 ~]# firewall-cmd --reload
```

检查服务

```
[root@host1 ~]# netstat -antup | grep 3260  
tcp    0    0 192.168.1.12:3260    0.0.0.0:*        LISTEN  -
```

配置关键点

- 1、 只有ACL允许的启动器iqn.2018-06.com.ntae007:cvk01和iqn.2018-06.com.ntae007:cvk02才能连接iscsi存储。
- 2、 默认情况下，防火墙不允许3260端口通过，需要手动打开3260端口。