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# iSCSI

## iSCSI Target\_RHEL 6

\* HOST OS : CentOS 6.6 64bit \* GUEST OS : CentOS 6.6 64bit

### tgt-setup-lun

```
tgt-setup-lun : target          target          가          Script          .  
                  iSCSI Target
```

#### Step.1 iSCSI Target

```
[root@iscsi ~]# yum install scsi-target-utils.x86_64 -y
```

```
[root@iscsi ~]# rpm -qa | grep scsi-target-utils  
scsi-target-utils-1.0.24-16.el6.x86_64
```

#### Step.2 iSCSI Target

```
[root@iscsi ~]# service tgtd start  
[root@iscsi ~]# service tgtd status  
[root@iscsi ~]# chkconfig tgtd on
```

#### Step.3 iSCSI Target

\* LVM . \* tgt-setup-lun

```
[root@iscsi ~]# tgt-setup-lun -d /dev/mapper/VG_DISK1-LV_Disk1 -n  
iSCSI_Target1  
[root@iscsi ~]# tgt-setup-lun -d /dev/mapper/VG_DISK2-LV_Disk2 -n  
iSCSI_Target2  
[root@iscsi ~]# tgt-setup-lun -d /dev/mapper/VG_DISK3-LV_Disk3 -n  
iSCSI_Target3  
[root@iscsi ~]# tgt-setup-lun -d /dev/mapper/VG_DISK4-LV_Disk4 -n  
iSCSI_Target4
```

\* targets.conf

```
[root@iscsi ~]#tgt-admin --dump | grep -v default-driver > target.conf
[root@iscsi ~]#vim target.conf
<target iqn.2001-04.com.iscsi-iSCSI_Target3> // iqn
    backing-store /dev/mapper/VG_DISK3-LV_Disk3
</target>

<target iqn.2001-04.com.iscsi-iSCSI_Target1>
    backing-store /dev/mapper/VG_DISK1-LV_Disk1
</target>

<target iqn.2001-04.com.iscsi-iSCSI_Target4>
    backing-store /dev/mapper/VG_DISK4-LV_Disk4
</target>

<target iqn.2001-04.com.iscsi-iSCSI_Target2>
    backing-store /dev/mapper/VG_DISK2-LV_Disk2
</target>

[root@iscsi ~]#
```

\* tgd

```
[root@iscsi ~]# service tgd restart
```

\* Target

```
[root@iscsi ~]# tgt-admin -s
```

```
Target 1: iqn.2015-04.com.iscsi-iSCSI_Target1
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
    Prevent removal: 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: 32216 MB, Block size: 512
    Online: Yes
    Removable media: No
    Prevent removal: No
    Readonly: No
    Backing store type: rdwr
    Backing store path: /dev/mapper/VG_DISK1-LV_Disk1
    Backing store flags:
Account information:
ACL information:
    ALL
Target 2: iqn.2015-04.com.iscsi-iSCSI_Target2
System information:
    Driver: iscsi
    State: ready
I_T nexus information:
LUN information:
    LUN: 0
        Type: controller
        SCSI ID: IET      00020000
        SCSI SN: beaf20
        Size: 0 MB, Block size: 1
        Online: Yes
        Removable media: No
        Prevent removal: No
        Readonly: No
        Backing store type: null
        Backing store path: None
        Backing store flags:
    LUN: 1
        Type: disk
        SCSI ID: IET      00020001
        SCSI SN: beaf21
        Size: 10737 MB, Block size: 512
        Online: Yes
        Removable media: No
        Prevent removal: No
        Readonly: No
        Backing store type: rdwr
        Backing store path: /dev/mapper/VG_DISK2-LV_Disk2
        Backing store flags:
Account information:
ACL information:
```

ALL

Target 3: iqn.2015-04.com.iscsi-iSCSI\_Target3

System information:

Driver: iscsi

State: ready

I\_T nexus information:

LUN information:

LUN: 0

Type: controller

SCSI ID: IET 00030000

SCSI SN: beaf30

Size: 0 MB, Block size: 1

Online: Yes

Removable media: No

Prevent removal: No

Readonly: No

Backing store type: null

Backing store path: None

Backing store flags:

LUN: 1

Type: disk

SCSI ID: IET 00030001

SCSI SN: beaf31

Size: 5377 MB, Block size: 512

Online: Yes

Removable media: No

Prevent removal: No

Readonly: No

Backing store type: rdwr

Backing store path: /dev/mapper/VG\_DISK3-LV\_Disk3

Backing store flags:

Account information:

ACL information:

ALL

Target 4: iqn.2015-04.com.iscsi-iSCSI\_Target4

System information:

Driver: iscsi

State: ready

I\_T nexus information:

LUN information:

LUN: 0

Type: controller

SCSI ID: IET 00040000

SCSI SN: beaf40

Size: 0 MB, Block size: 1

Online: Yes

Removable media: No

Prevent removal: No

Readonly: No

Backing store type: null

Backing store path: None

```

    Backing store flags:
LUN: 1
    Type: disk
    SCSI ID: IET      00040001
    SCSI SN: beaf41
    Size: 5344 MB, Block size: 512
    Online: Yes
    Removable media: No
    Prevent removal: No
    Readonly: No
    Backing store type: rdwr
    Backing store path: /dev/mapper/VG_DISK4-LV_Disk4
    Backing store flags:
Account information:
ACL information:
    ALL

```

\* target

```

tgt-admin --delete ALL // .
tgt-admin --delete tid=4 // 4 .
tgt-admin --delete iqn.2015-04.com // iqn.2015-04.com .

```

## iSCSI Target\_RHEL 7

\* HOST OS : CentOS Linux release 7 \* GUEST OS : CentOS Linux release 7

### targetcli

#### Step1. Install and run targetcli

\*

```

[root@server1 ~]# fdisk -l | grep Disk
Disk /dev/sda: 32.2 GB, 32212254720 bytes, 62914560 sectors
Disk /dev/sdb: 53.7 GB, 53687091200 bytes, 104857600 sectors // ISCSI
가
Disk /dev/mapper/centos-swap: 2164 MB, 2164260864 bytes, 4227072 sectors
Disk /dev/mapper/centos-root: 29.5 GB, 29519511552 bytes, 57655296 sectors

```

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Last update: **2015/06/18 15:49**

