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RHEL6 이하 버전에서의 iSCSI Target구성

iSCSI Target_RHEL 6

참조링크 : https://access.redhat.com/solutions/894163

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

tgt-setup-lun

tgt-setup-lun : target 을 생성하고 target 을 장치에 추가해 주는 Script 명령어 입니다.
해당 명령어로 실행시 간단하게 iSCSI Target 을 생성 관리 할수 있습니다.

Step.1 iSCSI Target 설치

```
[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 서비스 실행

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

Step.3 iSCSI Target 생성

* 디스크 생성 및 LVM 구성은 이곳에서 따로 보여주지 않는다. * tgt-setup-lun 스크립트 명령어로 아래와 같이 생성해 준다.

```
[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
```

* 생성된 파일을 targets.conf 파일에 입력하기

```
[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 이름을 현재 날짜 또는 원하는 이름으로 변경한다.
    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 ~]#
```

* tgtd 데몬 재 시작

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

* Target 확인

```
[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 제거

```
tgt-admin --delete ALL // 모든 타겟을 지운다.
tgt-admin --delete tid=4 // 타겟4번을 지운다.
tgt-admin --delete iqn.2015-04.com   // 해당 iqn.2015-04.com 타겟을 지운다.
```

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