

?? 11, 2007 ??? sunchiahome

iet(iSCSI Enterprise Target)

Step 0: ??

Step 1: ?? iSCSI target

Step 2: ?? iSCSI target

Step 3: iSCSI Target???

Step 4: ?? iSCSI target ??????

Step 5: iSCSI Target tools

Step 6: manpages

Step 7: iSCSI initiator

Step 8: ??????

Step 0 : ??

????????? iSCSI

iSCSI(Internet SCSI)?? IP-based ???????. iSCSI ??? SAN???? SAN????????? Server ??????.????? Server ???????
?????.?????????????. iSCSI ? 2003?2????? IETF ??????.

iet(iSCSI Enterprise Target)

Step 1: ?? iSCSI target

??????iSCSI Target ?????? <http://iscsitarget.sourceforge.net/> ??????.

???????? kernel ??,?????????????????.

? RHEL 4 ???? kernel 2.6.9 ,????????????? iscsi-target-0.4.00.

Fedora Core 5 ???? kernel 2.6.15 ,????????????? iscsi-target-0.4.13.

????????????? linux ??????????????.

```
[root@unsvr root]# uname -a
```

Step 2: ?? iSCSI target

?????? kernel-devel-version ????????

```
[root@unsvr root]# rpm -ivh /media/cdrom/Fedora/RPMS/kernel-devel-version
```

??????? <http://kernel.org> ?????? kernel

??? iscsitarget ??????????.

```
[root@unsvr root]# tar xvfz iscsitarget-version.tar.gz
```

```
[root@unsvr root]# cd iscsitarget-version
```

????????? kernel-devel-version ??????????.

```
[root@unsvr iscsitarget-version]# make KERNELSRC=/usr/src/kernels/2.6.14-1.1526_FC4-i686
```

```
[root@unsvr iscsitarget-version]# make install
```

???? iscsi Target?.

???? fireware ??,??? port 3260 ??(iSCSI ?? port 3260).

Step 3 : iSCSI Target???

????????? iSCSI Target ??? ?????? /root/iscsitarget-version/etc/inetd.conf

```
[root@unsvr iscsitarget-version]# cp etc/ietd.conf /etc
```

????????? /etc/ ???.

???????????????

```
[root@unsvr iscsitarget-version]# vi /etc/ietd.conf
```

Target iqn.2001-04.com.example:storage.disk2.sys1.xyz

Users, who can access this target

(no users means anyone can access the target)

IncomingUser joe

#OutgoingUser

Lun definition

(right now only block devices are possible)

Lun 0 Path=/dev/sdb,Type=fileio

Lun 1 Path=/dev/sdc,Type=fileio

Alias name for this target

Alias iSCSI

various iSCSI parameters

(not all are used right now, see also iSCSI spec

??:

Target iqn.2001-04.com.example:storage.disk2.sys1.xyz

???? iSCSI Target ????????

IncomingUser joe

?? iSCSI Initiator ?????????????? Disk,?????????????.

Lun 0 Path=/dev/sdb,Type=fileio

Lun 1 Path=/dev/sdc,Type=fileio

??? joe ??????????,????? sdb,sdc.????? LUN(Logic Uit Number)????? iSCSI Initiator ??????????.

??????(hda,sda... ?)????????? LVM?????.?? SAN ???? "????????????????? Server??,?????????????????."

?? LVM ??????????.

LVM-??

LVM(Logical Volume Manager)????????????????????,????????????????????.

LVM-??

Linux ?????????????? LVM.

LVM-RAID0

LVM(Logical Volume Manager) ??? RAID0(striping)???

LVM-snapshots

?? LVM(Logical Volume Manager) ? Snapshots ???????

Step 4: ?? iSCSI target ??????

????????? IP ,????????? IP.?? iSCSI target ???IP? 10.6.116.108.

```
[root@unsvr root]# netconfig -device eth0
```

?????iSCSI Target,???????

```
[root@unsvr root]# service iscsi-target start
```

??????????????? iSCSI Target,???????

```
[root@unsvr root]# chkconfig iscsi-target on
```

????????? IP SAN ????

Step 5: iSCSI Target tools

ietd(iSCSI Enterprise Target Daemon) ??????????.

1.ietd

2.ietadm

Step 6: manpages

????????? make install ?,????? manpages ???????? /usr/share/man/ ?,????????????? manpages ?? /usr/share/man.

```
[root@unsvr iscsitarget-version]# gunzip doc/manpages/ietd.conf.5
```

```
[root@unsvr iscsitarget-version]# gunzip doc/manpages/ietd.8
```

```
[root@unsvr iscsitarget-version]# cp doc/manpages/ietd.conf.5.gz /usr/share/man/man5
```

```
[root@unsvr iscsitarget-version]# cp doc/manpages/ietd.8.gz /usr/share/man/man8
```

```
[root@unsvr iscsitarget-version]# man ietd.conf
```

```
[root@unsvr iscsitarget-version]# man ietd
```

Step 7: iSCSI initiator

?? initiator ?????? iSCSI target ??,???????

[I.iSCSI\(Linux initiator\)](#)

[II.iSCSI\(Windows initiator\)](#)

Step 8: ??????

<http://www.ardistech.com/iscsi/>

<http://www.cs.uml.edu/~mbrown/iSCSI/>

<http://www.cuddletech.com/articles/iscsi/index.html>

<http://en.wikipedia.org/wiki/ISCSI>