

?? 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 Unit 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>