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?? 11, 2007 ??? *sunchiahome*

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)