

?? 29, 2008 ?? sunchiahome

IPSAN???????? Linux ?????????? IP SAN ???.

1.iSCSI Target

??? OS ?????????,?????? <http://iscsitarget.sourceforge.net/> ????????? IP SAN ??????.

iSCSI Target

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

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

I.iSCSI(Linux initiator)

II.iSCSI(Windows initiator)

2.Extendable volume

SAN ?????????????? volume ?????,Linux ?????????? LVM(Logical Volume Manager),LVM ?????????? sanpshot ?????????????.

LVM-??

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

LVM-??

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

LVM mapping modes

LVM????? linear ?????? striped ??.

LVM-snapshots

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

?? LVM ??????????

<http://www.tldp.org/HOWTO/LVM-HOWTO/>

3.Network bandwidth

?? Network ?? Gbit ?,??? Bonding ?????????????.

Linux Channel Bonding

Bonding ?????????????? team(????????)?????????(load-balancing)???(fault-tolerance)????

4.RAID

??PC???? RAID ??? Linux ??? SoftRAID???

SoftRAID

?? mdadm ????????? raidtools,?????????????