

?? 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 ????????? snapshot ?????????.

#### 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,????????????