

- **Hypervisor guest tools installation**

```
apt-get install build-essential linux-headers-`uname -r` psmisc
mkdir /media/cdrom
mount /dev/cdrom /media/cdrom
cp /media/cdrom/Tools*.tar.gz ./
tar xvf Tools*.tar.gz
cd tools-distrib/
./install.pl
reboot
```

## 3.2 iSCSI partition configuration

- **Packages required**

```
apt-get install open-iscsi gdisk
```

- **iSCSI discovery**

```
nano -w /etc/iscsi/iscsid.conf

node.startup = automatic

iscsiadm -m discovery -t st -p 192.168.1.105
iscsiadm -m node
```

leave only the one for repository store

```
rm -R /etc/iscsi/nodes/iqn.a
rm -R /etc/iscsi/nodes/iqn.b
rm -R /etc/iscsi/nodes/iqn.c
```

- **iSCSI authentication**

Add authentication method and credentials

```
nano -w /etc/iscsi/nodes/iqn.d/192.168.1.105\,3260\,1/default [8.1.1]

node.session.auth.authmethod = CHAP
node.session.auth.username = user
node.session.auth.password = password
```

Restart iSCSI

```
/etc/init.d/open-iscsi restart
```

- **iSCSI LUN GPT partitioning**

```
gdisk -l /dev/sdb

GPT fdisk (gdisk) version 0.5.1
Partition table scan:
  MBR: protective
  BSD: not present
  APM: not present
  GPT: present
Found valid GPT with protective MBR; using GPT.
Disk /dev/sdb: 23408220815 sectors, 10.9 TiB
Disk identifier (GUID): xxxxxx
Partition table holds up to 128 entries
First usable sector is 34, last usable sector is 23408220781
Total free space is 2014 sectors (1007.0 KiB)
Number  Start (sector)    End (sector)  Size      Code  Name
   1            2048         23408220781   10.9 TiB   0700   Linux/Windows data
```

- **Permanent iSCSI LUN mount at boot time**

find disk UUID

```
ls /dev/disk/by-uuid -alh
```

add entry to fstab file

```
nano -w /etc/fstab

UUID=yyyyy /srv/storage ext4 defaults,auto,_netdev 0 0
```