**ISCSI RAID CONF Installation**

**Required Machines**

**Server : 1GB RAM, 20 GB x 4 HDD, NAT**

**Client : 1GB RAM, 20 GB HDD**

**ON Server**

**# pvcreate /dev/sdb /dev/sdc /dev/sdd**

**# vgcreate vg-iscsi /dev/sdb /dev/sdc /dev/sdd**

**# lvcreate –n lv-iscsi-disk-01 -L 1G vg-iscsi**

**# lvcreate –n lv-iscsi-disk-02 -L 1G vg-iscsi**

**# lvs**

**# systemctl stop firewalld && systemctl disable firewalld**

**# yum install targetcli**

**# targetcli ------------->** now you get new command line shell

**> cd backstores/block**

**> create block /dev/mapper/vg--iscsi-lv--iscsi--disk—01**

**> cd ..**

**> ls**

**> cd ..**

**> cd iscsi**

**> create iqn.2023-07.cdac.acts.hpcsa.sbm:disk1**

**> cd iqn.2023-07.cdac.acts.hpcsa.sbm:disk1/**

**ON Client**

**# yum install iscsi-initiator-utils –y**

**# systemctl stop firewalld && systemctl disable firewalld**

**# cat /etc/iscsi/initiatorname.iscsi**

-----> Now copy initiator Name

**ON Server**

**> cd tpg1/acls**

**> create iqn.1994-05.com.redhat:325fceb1a773**

**copied initiator name**

**> cd ..**

**> cd luns**

**> create /backstores/block/block**

**> ls**

**> exit**

**# systemctl restart target**

**ON Client**

**# iscsiadm -m discovery -t st -p 192.168.44.164 --login**

**Server ip**

**# fdisk /dev/sdb**

**# mkfs.ext4 /dev/sdb1**

**# mkdir /mnt/iscsilab**

**# mount /dev/sdb1 /mnt/iscsilab**

**# cd /mnt/iscsilab/**

**# dd if=/dev/zero of=file.txt bs=1024 count=520040**

**# df -h**