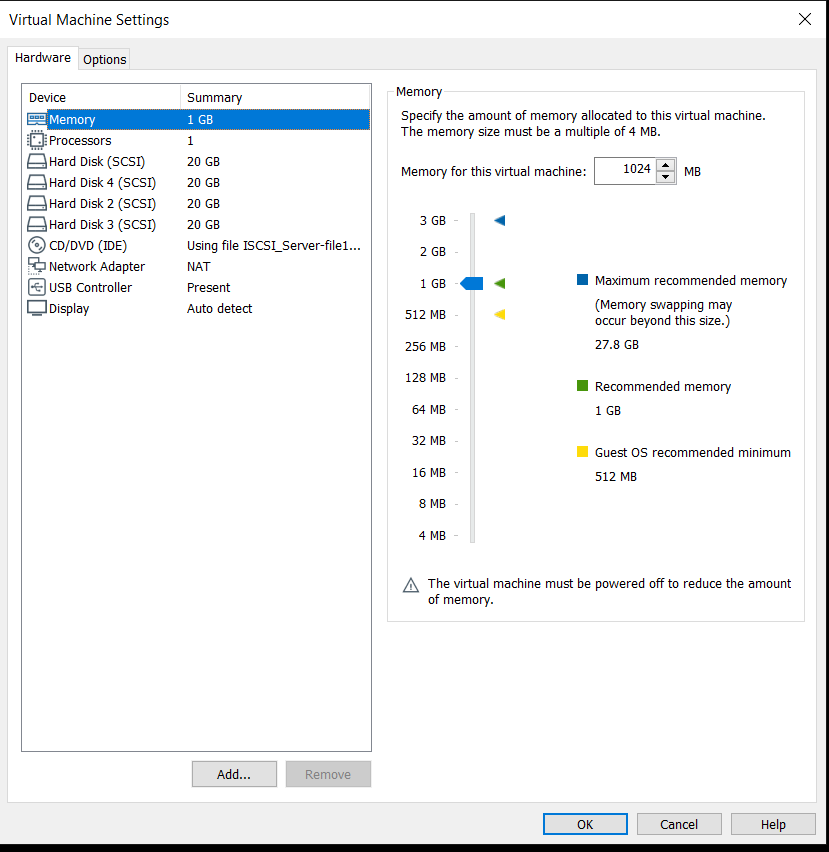
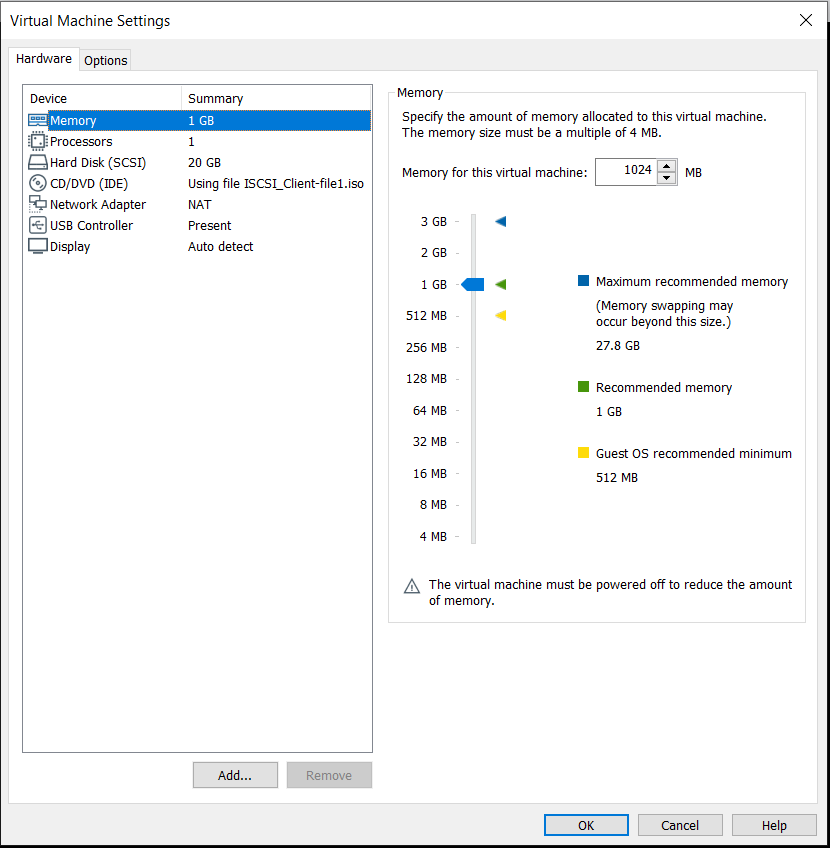
**ISCSI RAID CONF Installation**

**Required Machines**

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

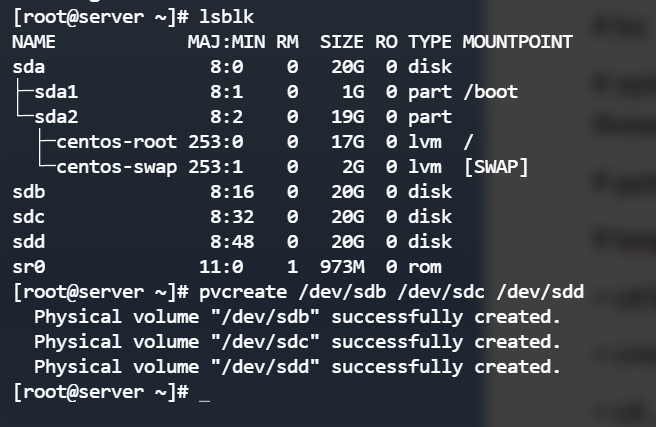
****

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

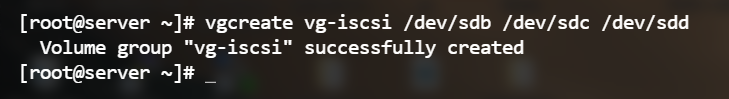
****

**ON Server :-**

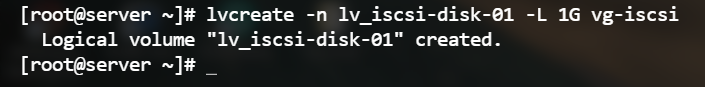
**# pvcreate /dev/sdb /dev/sdc /dev/sdd**

****

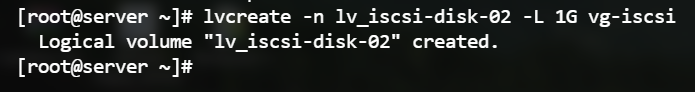
**# vgcreate vg-iscsi /dev/sdb /dev/sdc /dev/sdd**

****

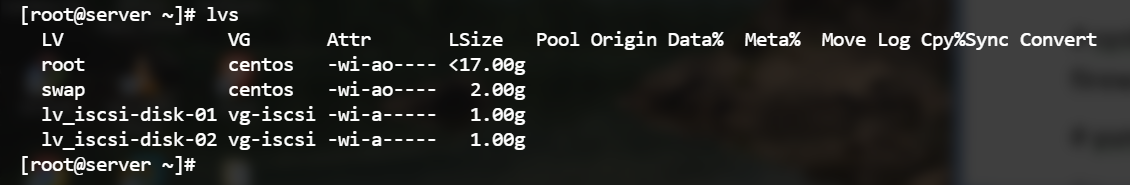
**# lvcreate –n lv\_iscsi-disk-01 -L 1G vg-iscsi**

****

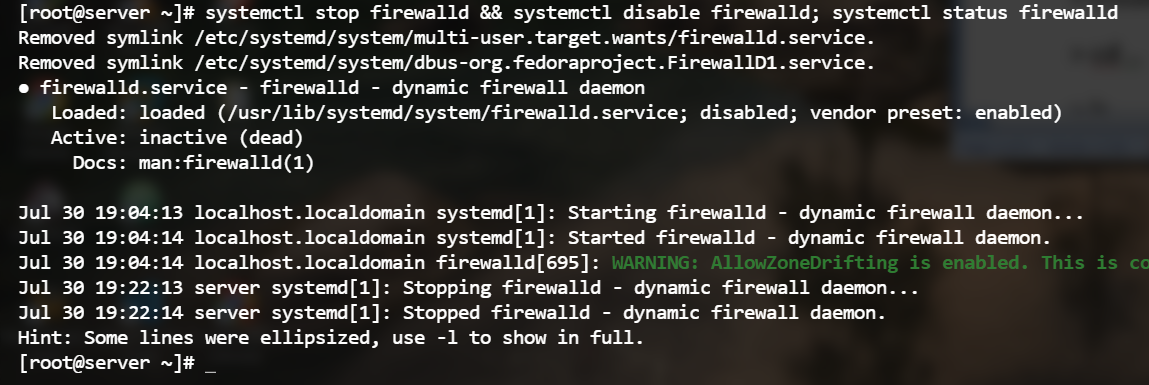
**# lvcreate –n lv\_iscsi-disk-02 -L 1G vg-iscsi**

****

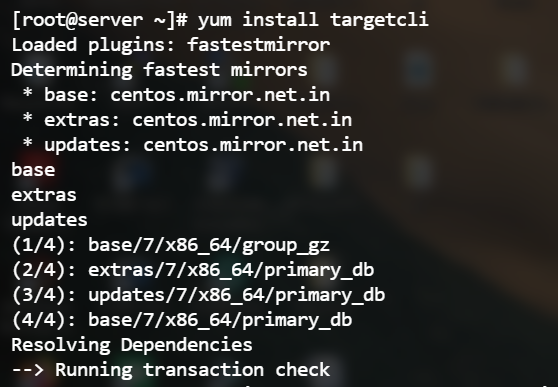
**# lvs**

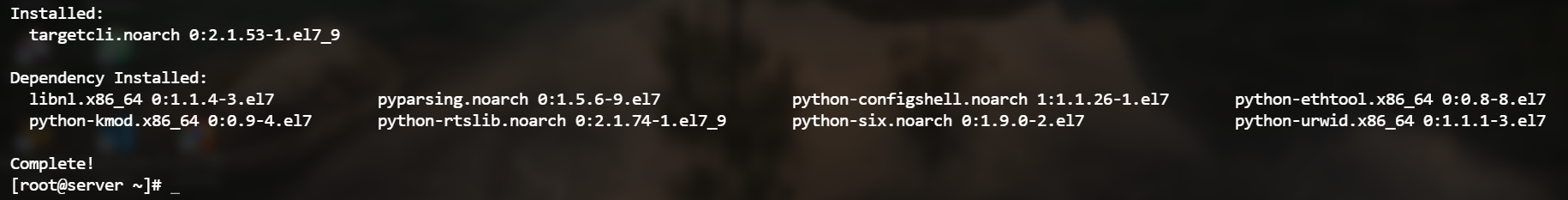
****

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

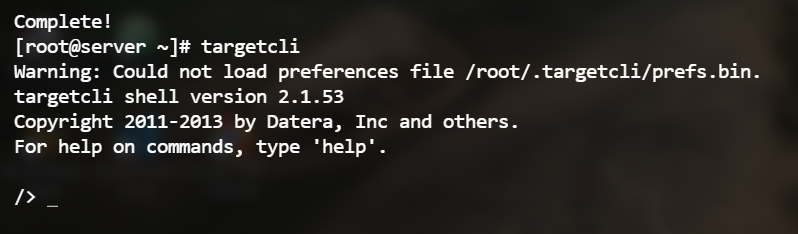
****

**# yum install targetcli**

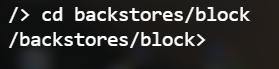
****

****

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



**> cd backstores/block**

****

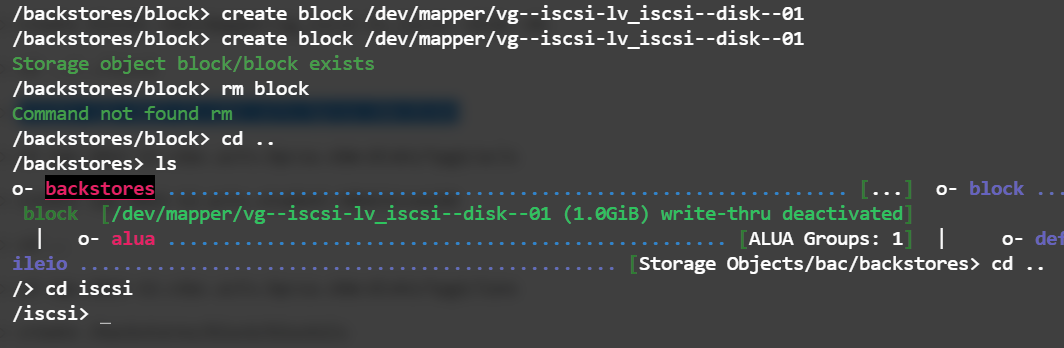
**> create block /dev/mapper/vg--iscsi-lv\_iscsi--disk--01**

**> cd ..**

**> ls**

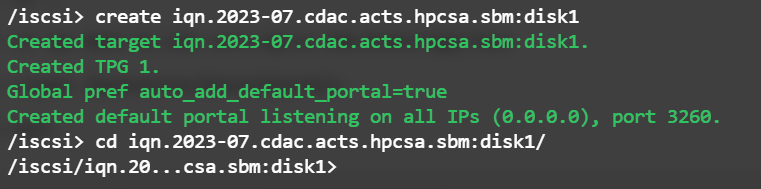
**> cd ..**

**> cd iscsi**

****

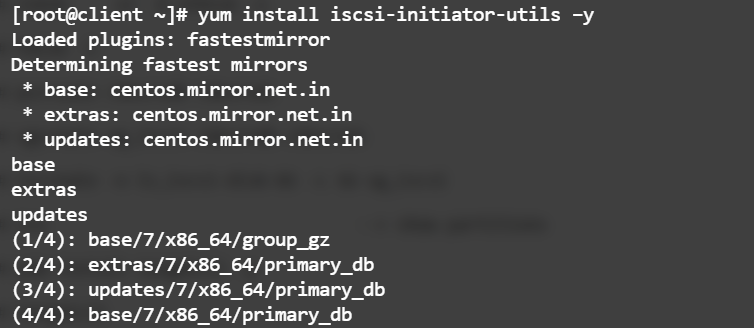
**> create iqn.2023-07.cdac.acts.hpcsa.sbm:disk1**

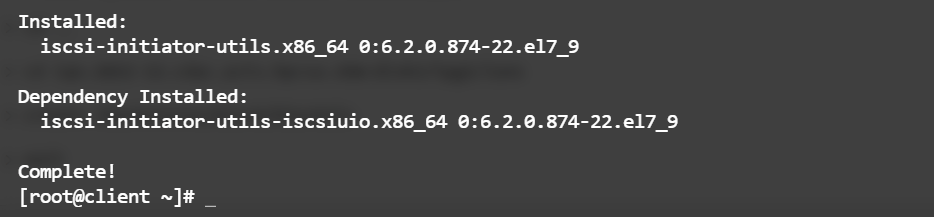
**> cd iqn.2023-07.cdac.acts.hpcsa.sbm:disk1/**

****

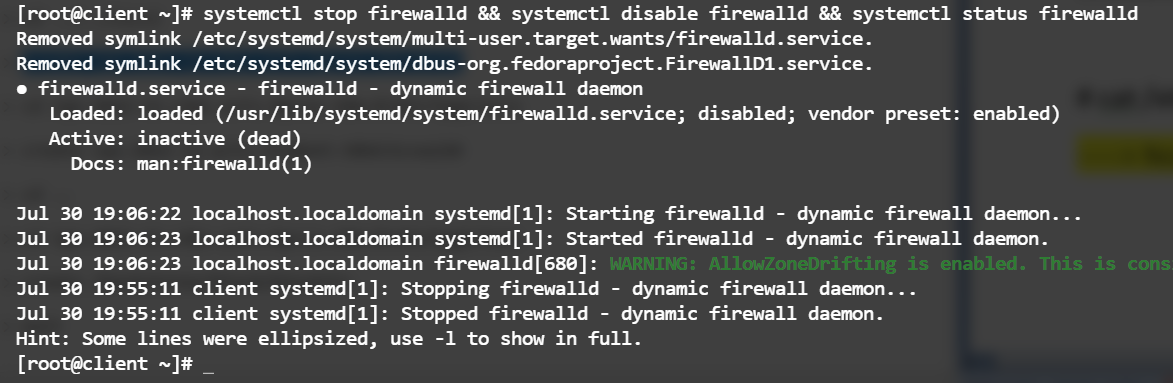
**ON Client**

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

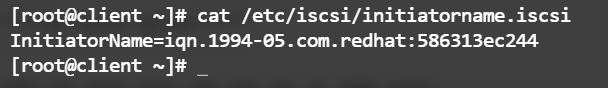
****

****

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

****

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

****

-----> Now copy initiator Name

**ON Server**

**> cd tpg1/acls**

****

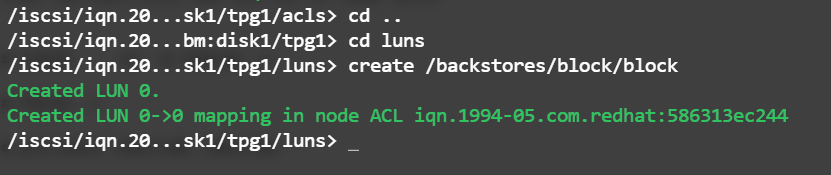
**> create initiator name (Paste the initiator name which is copied from client)**

****

**> cd ..**

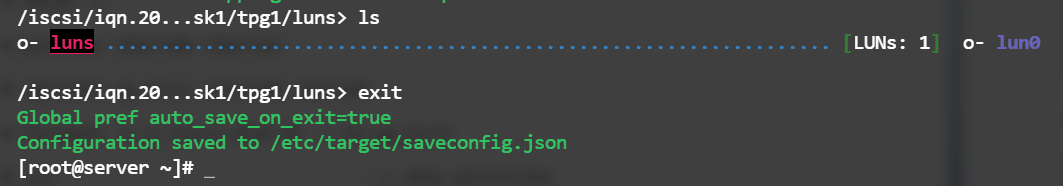
**> cd luns**

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

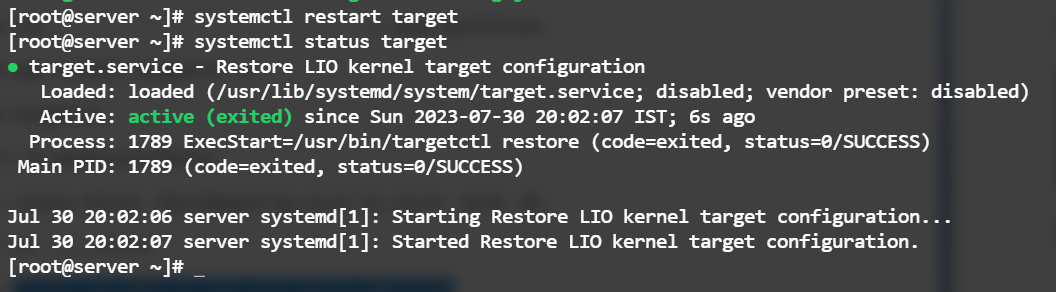
****

**> ls**

**> exit**

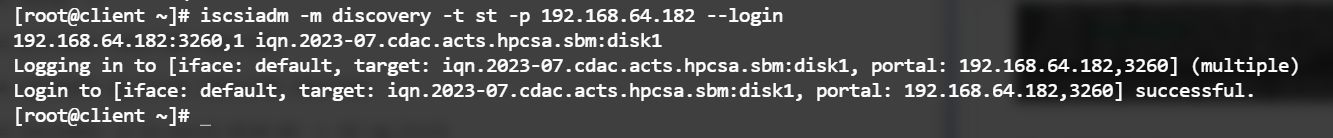
****

**# systemctl restart target**

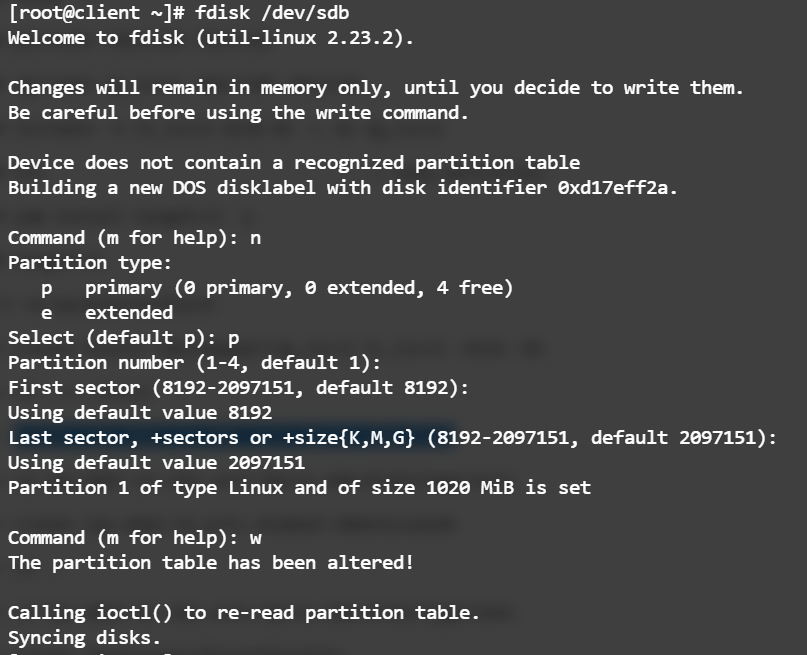
****

**ON Client**

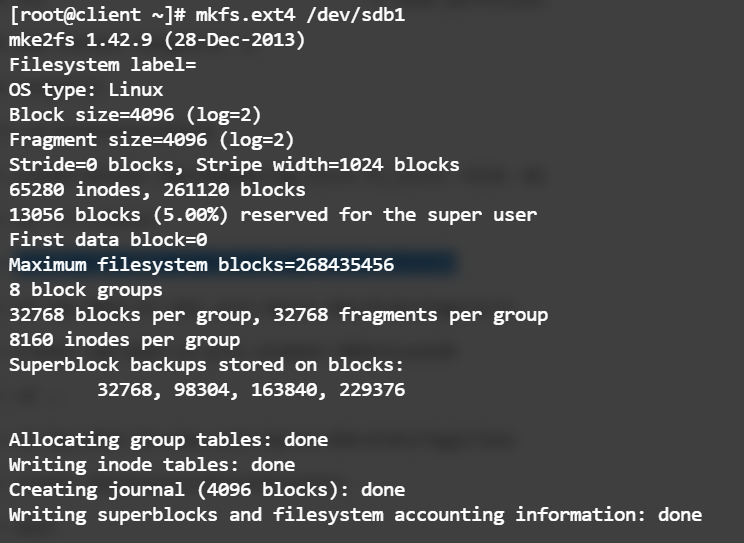
**# iscsiadm -m discovery -t st -p <Server\_ip> --login**

****

**# fdisk /dev/sdb**

****

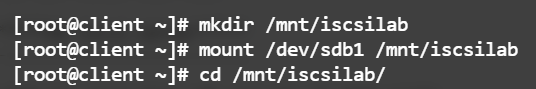
**# mkfs.ext4 /dev/sdb1**

****

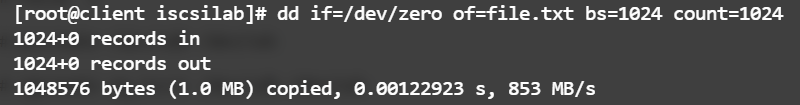
**# mkdir /mnt/iscsilab**

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

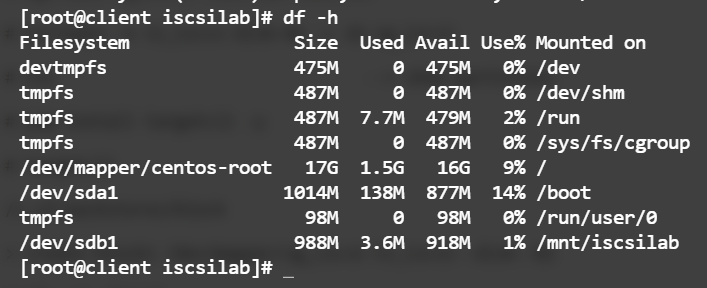
**# cd /mnt/iscsilab/**

****

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

****

**# df –h**

****