**Iscsi**

a way to share data and you get it as a block (like HD – disk sharing), work with SERVER-CLIENT method

(i)scsi – protocol to work in front of disks (i- internet)

Name example: igh:2016-07.com.example:lun0

**Server:**

yum install targetcli

Firewall-cmd --add-port=3260/tcp --permanent

Systemctl enable/start target

#>targetcli

/>ls

/>cd /backstores/fileio > create file0 /var/file0 1G (create file 1GB size)

/>cd /iscsi > create iqn.2016-07.com.test:server (create "container")

/iscsi >cd acls > create iqn.2016-07.com.test:client (client iqn)

/ iscsi >cd luns > storage I want to share (example: create /backstores/fileio/fil0)

/ iscsi >cd portals > delete 0.0.0.0 3260 create "Source Ip Port"

Saveconfig 🡪 exit

**Client:**

vi /etc/iscsi/initiatorname.iscsi

InitiatorName= the client iqn we created in the server (iqn.1.com.example.desktop0)

man iscsiadm - config the client

* iscsiadm -m discovery -t sendtargets -p 192.168.200.150
* iscsiadm -m node -T iqn.2022-09.com.test:server 192.168.1.15 -l

systemctl restart iscsi

mkfs.xfs /dev/"\*\*"

mount

blkid - take the uuid

mkdir – to where I want to mount

Mount in fstab - add to defaults - \_netdev

**multipath**

if you have storage server that contain several network ports

you can use multipath for redundant

**Client:**

iscsiadm --mode node--login

yum install device-mapper-multipath -y

cp /usr/share/doc/device-mapper-multipath/multipath.conf /etc/multipath.conf

mpathconf --user\_friendly\_names n

lsmod | grep dm\_multipath

modprobe dm\_multipath

systemctl restart multipathd

multipath -ll

#>targetcli

/>ls

/>cd /backstores/block > create iscsi\_shared\_storage /dev/vg\_iscsi/lv\_iscsi

/>cd /iscsi > create iqn.2022-09.com.test:server (create "container")

/iscsi >cd iqn/tpg1/acls > create iqn.2022-09.com.test:client (client iqn)

/ iscsi > cd ../luns > storage I want to share (example: create /backstores/block/iscsi\_shared\_storage)

/ iscsi >cd portals > delete 0.0.0.0 3260 create "Source Ip Port"

Saveconfig 🡪 exit