iSCSI

iSCSI   iSCSI Target   iSCSI Target   Client Host   iSCSI Initiator

```
+----------------------+ | +----------------------+
|[iSCSI    ]|10.0.0.30 | 10.0.0.51|[iSCSI     ]|
| dlp.srv.world +----------+----------+ node01.srv.world |
||||
+----------+ +----------+
```

[1]

```
dnf -y install targetcli
```

[2]   iSCSI
    [/var/lib/iscsi_disks]   SCSI

```
# create a directory
[root@dlp ~]# mkdir /var/lib/iscsi_disks
# enter the admin console
[root@dlp ~]# targetcli
targetcli shell version 2.1.53
Copyright 2011-2013 by Datera, Inc and others.
For help on commands, type 'help'.


/> cd backstores/fileio

# create a disk-image with the name [disk01] on [/var/lib/iscsi_disks/disk01.img] with 10G
/backstores/fileio> create disk01 /var/lib/iscsi_disks/disk01.img 10G
Created fileio disk01 with size 10737418240
/backstores/fileio> cd /iscsi

# create a target
# naming rule : [ iqn.(year)-(month).(reverse of domain name):(any name you like) ]
/iscsi> create iqn.2021-03.world.srv:dlp.target01
Created target iqn.2021-03.world.srv:dlp.target01.
Created TPG 1.
```

```
Global pref auto_add_default_portal=true
Created default portal listening on all IPs (0.0.0.0), port 3260.
/iscsi> cd iqn.2021-03.world.srv:dlp.target01/tpg1/luns


# set LUN
/iscsi/iqn.20...t01/tpg1/luns> create /backstores/fileio/disk01
Created LUN 0.
/iscsi/iqn.20...t01/tpg1/luns> cd ../acls


# set ACL (it's the IQN of an initiator you permit to connect)
/iscsi/iqn.20...t01/tpg1/acls> create iqn.2021-03.world.srv:node01.initiator01
Created Node ACL for iqn.2021-03.world.srv:node01.initiator01
Created mapped LUN 0.
/iscsi/iqn.20...t01/tpg1/acls> cd iqn.2021-03.world.srv:node01.initiator01


# set UserID and Password for authentication
/iscsi/iqn.20...w.initiator01> set auth userid=username
Parameter userid is now 'username'.
/iscsi/iqn.20...w.initiator01> set auth password=password
Parameter password is now 'password'.
/iscsi/iqn.20...w.initiator01> exit
Global pref auto_save_on_exit=true
Configuration saved to /etc/target/saveconfig.json


# after configuration above, the target enters in listening like follows
[root@dlp ~]# ss -napt | grep 3260
LISTEN 0      256          0.0.0.0:3260        0.0.0.0:*


[root@dlp ~]# systemctl enable target
```

[3]   Firewalld   iSCSI Target

```
[root@dlp ~]# firewall-cmd --add-service=iscsi-target --permanent
success
[root@dlp ~]# firewall-cmd --reload
success
```