

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

```

Revision #2

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