

Configuring an iSCSI client

First update your package list by running:

```
sudo apt update
```

Next up is to install open-iscsi.

```
sudo apt install open-iscsi
```

Now that it is installed you will have to enable the service for it. Don't yet start it.

```
sudo systemctl enable iscsid
```

Time to configure iSCSI, first open the file `/etc/iscsi/initiatorname.iscsi`. And set the Initiator Target to the correct value.

/etc/iscsi/initiatorname.iscsi

```
InitiatorName=iqn.2005-10.be.iswleuven.nas1
```

```
GNU nano 4.8 /etc/iscsi/initiatorname.iscsi
# Do NOT EDIT OR REMOVE THIS FILE!
# If you remove this file, the iSCSI daemon will not start.
# If you change the InitiatorName, existing access control lists
# may reject this initiator. The InitiatorName must be unique
# for each iSCSI initiator. Do NOT duplicate iSCSI InitiatorNames.
InitiatorName=iqn.2005-10.be.iswleuven.nas1
```

Time to open the iSCSI configuration file. Comment the manual version and uncomment the automatic line.

/etc/iscsi/initiatorname.iscsi

```
# To request that the iscsi initd scripts startup a session set to
"automatic".
node.startup = automatic
#
# To manually startup the session set to "manual". The default is manual.
#node.startup = manual
```

Also if you have a CHAP username and password set configure it using `"node.session.auth.username"` and `"node.session.auth.password"`.

```
GNU nano 4.8 /etc/iscsi/iscsid.conf
# Open-iscsi can create a session and bind it to a WLC/HBA.
# To set this up see the example iface config file.

# *****
# Startup settings
# *****

# To request that the iscsi initd scripts startup a session set to "automatic".
node.startup = automatic
#
# To manually startup the session set to "manual". The default is manual.
#node.startup = manual

# For "automatic" startup nodes, setting this to "Yes" will try logins on each
# available iface until one succeeds, and then stop. The default "no" will try
# logins on all available ifaces simultaneously.
node.leading_login = No

# *****
# CHAP Settings
# *****

# To enable CHAP authentication set node.session.auth.authmethod
# to CHAP. The default is None.
#node.session.auth.authmethod = CHAP

# To set a CHAP username and password for initiator
# authentication by the target(s), uncomment the following lines:
node.session.auth.username = gluster02
node.session.auth.password = SOMETHING
```

Once that is done you can run the following:

```
sudo iscsiadm -m discovery -t sendtargets -p <iSCSI_SERVER_IP>
```

This command will list all the available targets you can use. To actually login to a target you can write:

```
sudo iscsiadm -m node -p <ISCSI_SERVER_IP> -T <TARGET> --login
# For example:
sudo iscsiadm -m node -p 172.20.250.1 -T iqn.2005-10.be.iswleuven.nas1:
gluster02 --login
```