

Iscsi Proxmox

En primer lugar instalaremos los paquetes necesarios

```
apt update -y
apt-get install open-iscsi multipath-tools
```

A continuación deberemos de tener acceso al portal iSCSI de nuestro almacenamiento. En nuestro caso usaremos por ejemplo la 10.0.15.x, como tenemos 8 caminos ya que disponemos de un almacenamiento con 8 interfaces iSCSI que serán 10.0.15.11-14 para la controladora A y 10.0.15.21-24 para la B

```
iscsiadm -m discovery -t sendtargets -p 10.0.15.11
```

multipath -ll

```
root@teststorage: /etc/multipath# multipath -ll
mpath0 (3600c0ff00027f44e1231865801000000) dm-0 HP,MSA 2040 SAN
size=8.2T features='3 queue_if_no_path queue_mode mq' hwhandler='1 alua' wp=rw
|-+- policy='round-robin 0' prio=50 status=active
|  `- 2:0:0:0 sdb 8:16 active ready running
`-+- policy='round-robin 0' prio=10 status=enabled
|  - 3:0:0:0 sda 8:0 active ready running
|  - 4:0:0:0 sdc 8:32 active ready running
```

```
iscsiadm -m discovery -t sendtargets -p 10.200.15.11
```

```
iscsiadm -m discovery -t sendtargets -p 10.200.15.14
```

```
iscsiadm -m node --login
```

```
nano multipath.conf
```

```
cat multipath.conf
```

Tenemos que buscar el wwid

```
nano /etc/multipath/wwids
```

Contendrá lo siguiente

```
# Multipath wwids, Version : 1.0
# NOTE: This file is automatically maintained by multipath and multipathd.
# You should not need to edit this file in normal circumstances.
#
# Valid WWIDs:
/3600c0ff00027f44e1231865801000000/
```

cat wwids

nano /etc/iscsi/iscsid.conf

iqn.1986-03.com.hp:storage.msa2040.162127e7a9

systemctl enable open-iscsi

systemctl enable iscsid

systemctl enable multipath-tools

iscsid open-iscsi

systemctl enable multipath-tools

nano /etc/multipath.conf

```
defaults {
    find_multipaths          "on"
    polling_interval         2
    path_selector             "round-robin 0"
    path_grouping_policy     multibus
    uid_attribute             ID_SERIAL
    rr_min_io                100
    failback                 immediate
    no_path_retry             queue
    user_friendly_names      yes
}
blacklist {
    devnode "^ (ram| raw| loop| fd| md| dm- | sr| scd| st) [0-9] *"
    devnode "^ (td| hd) [a-z] "
    devnode "^dcssblk[0-9] *"
    devnode "^cciss! c[0-9] d[0-9] *"
    device {
        vendor "DGC"
        product "LUNZ"
    }
    device {
        vendor "EMC"
        product "LUNZ"
    }
    device {
        vendor "IBM"
```

```

        product "Universal Xport"
    }
    device {
        vendor "IBM"
        product "S/390.*"
    }
    device {
        vendor "DELL"
        product "Universal Xport"
    }
    device {
        vendor "SGI"
        product "Universal Xport"
    }
    device {
        vendor "STK"
        product "Universal Xport"
    }
    device {
        vendor "SUN"
        product "Universal Xport"
    }
    device {
        vendor "( NETAPP| LSI| ENGENIO) "
        product "Universal Xport"
    }
}
blacklist_exceptions {
    wwid "3600c0ff00027f44e1231865801000000"
}

multipaths {
    multipath {
        wwid "3600c0ff00027f44e1231865801000000"
        alias mpath0
    }
}

```

Más información

<https://elkano.org/blog/set-up-multipath-iscsi-targets-on-debian/>

Revision #1

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