

controller

The controller object is the physical fibre-channel interface port on the server that operate as FC targets. It is identified by the name `fc0 ... fc<n>` on FC only server and on both FC & iSCSI server it starts from `fc1`. For iSCSI operation it is referred by the generic name ``iscsi'` to represent all the physical ethernet interfaces. Know controller interface types is listed below

iscsi	Any network interface recognized by kernel. More control over specific network by specifying iSCSI portal tag and name.
fc <i>n</i>	Selects the fibre channel target port as specified by the instance number <i>n</i>
nvmet-rdma	Any RDMA transport registered with the kernel. Typically they can be Infiniband, iWARP, or ROCE
nvmet-fc	Uses the NVMeoF transport provider over Fibre-Channel
nvmet-tcp	This uses standard TCP network interface just like iSCSI

Usage

```
show controller
```

Examples

```
mayaccli show controller
```

Output

iSCSI on ens192:

```
ens192: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.1.1.154 netmask 255.255.255.0 broadcast 10.1.1.255
    inet6 fe80::a0ec:e248:47e5:8ad0 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:9a:42:38 txqueuelen 1000 (Ethernet)
    RX packets 927 bytes 76926 (75.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 524 bytes 75407 (73.6 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

iSCSI on ens161:

```
ens161: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.4.100 netmask 255.255.255.0 broadcast 192.168.4.255
    inet6 fe80::2438:8d4d:b7f2:7e02 prefixlen 64 scopeid 0x20<link>
    ether f4:52:14:2e:06:20 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

iSCSI on ens161d1:

```
ens161d1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether f4:52:14:2e:06:21 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

NVMET on ens161:

```
ens161: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.4.100 netmask 255.255.255.0 broadcast 192.168.4.255
    inet6 fe80::2438:8d4d:b7f2:7e02 prefixlen 64 scopeid 0x20<link>
    ether f4:52:14:2e:06:20 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

NVMET on ens161d1:

```
ens161d1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether f4:52:14:2e:06:21 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```