Netgear M4250 - Useful CLI commands

This article provides a reference to some commonly-used CLI commands useful in troubleshooting systems.

Command Line Interface (CLI) Manual

Privileged Exec mode

Many commands must be performed from Privileged Exec mode which is entered by typing enable from the main command prompt. Privileged Exec mode is identified by a “#” included in the command line prompt.

```
(M4250-26G4F-PoE+) > enable
(M4250-26G4F-PoE+) 
```

AVB diagnostic commands

** Must be in Privileged Exec mode

- show msrp stream summary
  - Returns a list of active msrp streams including stream ID, source, and destination MAC addresses.

- show msrp stream summary | count Reg
  - This command counts the number of lines returned by the show msrp stream summary command and indirectly returns the number of AVB streams.

- show msrp stream detail
  - Returns a list of active msrp streams with additional details including failure codes, talker ports, TSpec, and traffic class.

- show msrp reservation summary
  - Returns a list of all active msrp stream reservations and any associated failure codes.

- show msrp reservation <slot/port> detail

- show msrp reservation <slot/port> summary
Returns a list of msrp reservations associated with a specific port where <slot/port> represents the interface. For example 0/1 is used to return information associated with port 1.

```
show msrp interface summary
```

Returns a list of interfaces containing the mode and class A/B boundary port information.

```
show msrp interface bandwidth
```

Returns a list of interfaces containing the bandwidth class reservations and bandwidth usage.

```
show msp interface summary
```

Returns a list of interfaces and the values of the join, leave, and leaveAll timers.

```
show dot1as interface summary
```

Returns a list of interfaces that includes the current 802.1as values including 802.1as-capable and Pdelay values.

```
show dot1as summary
```

Returns 802.1as values such as clock priority, grandmaster MAC address, and steps to best clock.

**Other useful commands**

```
show ip management
```

Displays the IP configuration associated with the management interface.

```
show serviceport
```

Displays the IP configuration associated with the out-of-band service port.

```
show running-config
```

Display the current running configuration.

```
clear config
```

This will clear the current configuration and return the switch to factory defaults.

```
show version
```

Display the model, version, and MAC address of the switch.

```
show bootvar
```

Display the OS versions currently stored in the two available images along with which image is active and which one will be active on the next reboot.

Further reading

- Connecting to the M4250
- Enabling AVB Using the AV User Interface
- Enabling AVB Using the Main User Interface
- Enabling AVB Using the Command Line Interface (CLI)

Netgear resources

- Installation Guide
- Hardware Installation Guide
- User Manual
- Audio Video User Manual
- Software Administration Manual
- Command Line Interface (CLI) Manual