

View switch optical port information



Overview

How To View Port Status And Optical Module Information On Cisco. By reading internal parameters of optical transceivers on switches, users can monitor li.

Key Takeaways

You can view optical port information on a switch using CLI commands that display interface status, module type, diagnostic data, and optical power metrics. Viewing Optical Module Status on Cisco Switches

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Check Interface Status

- Use the command: show interface to see link state, interface rate, module type, and traffic statistics. If you are unsure of the interface, run show interface status to list all interfaces and their types .

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View Module Inventory

- Execute show inventory to display all optical modules installed, including serial numbers, part numbers, and module types .

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Detailed Module Information

- For IDPROM data of a specific module, run: `show idprom interface` . This provides transceiver type, encoding, wavelength, and supported distances .

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Diagnostic Monitoring (DOM/DDM)

- Use `show fiber-ports-optical-transceiver` or `show fiber-ports-optical-transceiver-info` to view real-time metrics such as:

- Temperature (°C)
- Voltage (V)
- Current (mA)
- Transmit (TX) and receive (RX) optical power (mW)
- TX fault and loss-of-signal (LOS) indicators .

Viewing Optical Module Status on Extreme EXOS Switches

- Use the command: `show ports media` or `show ports transceiver` to display optical transceiver details for all ports. This includes DDMI-supported metrics like temperature, voltage, and optical power .

General Steps for Any Switch

- Access the Switch CLI
- Connect via console, SSH, or Telnet.
- Enter privileged EXEC mode (e.g., `enable` on Cisco switches).
- Identify the Port
- Determine the interface ID where the optical module is installed.
- Run Vendor-Specific Commands
- Cisco: `show interface`, `show inventory`, `show idprom`, `show fiber-ports-optical-transceiver`.
- Extreme: `show ports transceiver` or `show ports media`.
- Interpret Output
- Check link status (UP/DOWN), module type, wavelength, supported distance, and real-time diagnostics.
- Use this information for troubleshooting, verifying module compatibility, or monitoring optical performance. By following these steps, network engineers can effectively monitor and manage optical ports, ensuring proper operation and early detection of potential issues.

Article Content

How To View Port Status And Optical Module Information On Cisco ...

By reading internal parameters of optical transceivers on switches, users can monitor link status, real-time

View the Optical Module Status on a Switch through the Command

Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, you should be able to view the current

How To View Port Status And Optical Module Information On Extreme ...

This document uses the Moduletek SFP-10G-LR-BIDI optical module installed on an Extreme X690-48x-2q-4c switch

Cisco Command to Check SFP Module Details

For network engineers, knowing how to view and interpret SFP information from the Cisco command-line interface

How to show interface transceiver details on Brand Switches?

Most brands" ethernet switches provide features to show interface transceiver details information via CLI (Command

Optical Transceiver Manufacturer,How To Check Optical Module ...

We will introduce how to query the information of optical module on Cisco switch. First, we need to connect to the

The Show fiber ports optical transceiver port detail command ...

When the show fiber-ports optical-transceiver port detailed command is run several times without changing the status of the

Displaying Optical Module Information

Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic information about a

show interfaces diagnostics optics | Junos OS | Juniper Networks

Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX

Optical Transceiver Manufacturer,How To Check Optical Module ...

Optical module identification and status monitoring are essential daily tasks for network engineers maintaining Cisco

How To View Port Status And Optical Module Information On Juniper ...

Reading internal transceiver data helps monitor link status, optical power, temperature and coding compatibility

How To View Port Status And Optical Transceiver Information On

Reading internal transceiver parameters allows monitoring of link status, real-time TX/RX optical power, temperature

How To View Optical Transceiver Information On Huawei Switches

We connect Moduletek SFP-10G-LR transceiver to Huawei S6700 switch, and demonstrate how to view transceiver

View the Optical Module Status on a Switch

Article ID:5508 View the Optical Module Status on a Switch Objective The Cisco Small Business Series Switches

How to show interface transceiver details on Brand Switches?

Discover how to view interface transceiver details on different brands' ethernet switches Quickly troubleshoot faults and

Huawei Switches Viewing Optical Port Receiving and Sending Information

Use the command display transceiver to view the optical module information of all optical ports, and use the command

Displaying Optical Module Information

Displaying Optical Module Information Context When the optical module on an interface is faulty, you can run the display commands

How can I see the optical power in a gigabitethernet interface of the ...

Solved: Hi, I need your help to know what command Can I use to display the power optics from a interface on a

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

