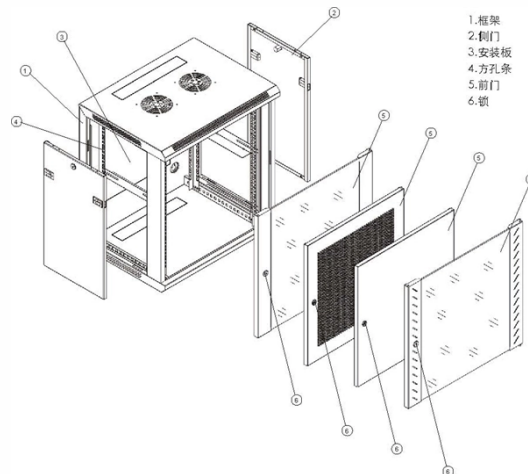


Checking the network card and optical module in Linux system



Article Overview

You can check network card and optical module details in Linux using commands like `ip`, `ethtool`, `lshw`, and `nmcli` to view interface status, MAC addresses, IPs, and transceiver information.

Listing Network Interfaces

To identify all network interfaces on your system:

- `ip addr`: Shows all interfaces, their IP addresses, MAC addresses, and status (UP/DOWN) .
- `ifconfig`: Older utility to display interface details, including IP and MAC addresses .
- `ls /sys/class/net/`: Lists interface names like `eth0`, `wlan0`, or `enp3s0` .
- `nmcli device status`: Provides a summary of interfaces managed by NetworkManager, including type and connection status .

Checking Network Card Hardware

To get detailed hardware information:

- `lspci`: Lists all PCI devices, including network cards .
- `lshw -class network`: Displays detailed NIC information such as vendor, product, driver, speed, and link status .
- `hwinfo --network`: Provides hardware probing for network cards (may require insta...

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How to find Ethernet network interface card information in Linux Last updated on December 8, 2020 by Dan Nanni

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How To Find Available Network Interfaces On Linux

For more details, check our previous guide to find the connected state of network interfaces on Linux. These two

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How To View Optical Transceiver Information On Network Cards In

Special commands are applied to check transceiver data on switches, and Linux systems also support reading

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