

How to test network speed on a core switch



AI Overview

To test the speed of a network switch, you can use the Iperf tool, which measures network throughput between two devices connected to the switch. Steps to Test Switch Speed Using Iperf

Prepare Your Equipment: You will need two computers connected to the switch you want to test. Ensure that both computers are connected via Ethernet cables to the switch ports.

Install Iperf: Download and install Iperf3 on both computers. You can find the latest version on the official Iperf website or GitHub. For Windows, you can download a pre-compiled binary [here](#).

Configure Static IP Addresses: Assign static IP addresses to both computers to ensure they are on the same subnet. For example, set one computer to 192.168.0.12 and the other to 192.168.0.13 with a subnet mask of 255.255.255.0.

Run Iperf in Server Mode: On one computer, open a command prompt or terminal and run the following command to start Iperf in server mode: `BashCopyiperf3 -s` This computer will listen for incoming traffic from the client.

Run Iperf in Client Mode: On the second computer, open a command prompt or terminal and run the following command to start Iperf in client mode, replacing 192.168.0.12 with the IP address of the server computer: `BashCopyiperf3 -c 192.168.0.12` This command will initiate a test and display the throughput between the two computers.

Analyze the Results: After the test completes, Iperf will provide results showing the bandwidth (throughput) achieved during the test. This will give you an indication of the speed of the switch and the network connection between the two devices.

Additional Testing Methods

LinkSprinter and LinkRunner: For more advanced diagnostics, tools like LinkSprinter and LinkRunner can analyze end-to-end paths and locate switch ports, providing detailed performance metrics.

Visual Inspection: Always perform a visual inspection of the s...

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Generally better done from a host device (s) using a bandwidth testing app. Otherwise, some Cisco devices support a hidden implementation of TTCP and some support IP SLA test, which

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