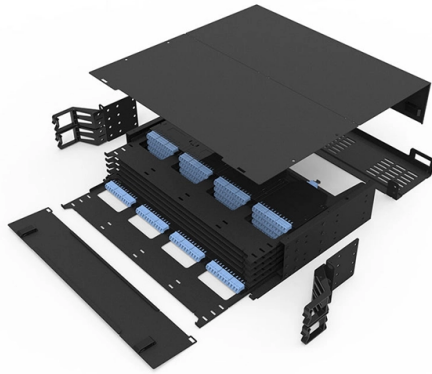


Viewing IP Traffic on Huawei Core Switches



Overview

9 Query Commands for Huawei Switches Purpose: Used to quickly view the IP address configuration and status of all interfaces of the How to view IP traffic.

Key Takeaways

You can monitor IP traffic on Huawei core switches using commands like display interface, display ip routing-table, and display counters top interface to view interface statistics and top traffic flows. Basic Interface Traffic Monitoring

To view traffic statistics for each interface:

- Use display interface to see detailed statistics, including packets sent and received, errors, and interface status .
- Use display interface brief for a concise overview of all interfaces, showing which are up or down and their IP configurations .
- To check IP routing and ensure traffic is flowing correctly, use display ip routing-table to view routes and next hops .

Top N Interface Traffic Statistics

Huawei switches provide a Top N interface traffic report to identify the busiest interfaces:



- Collect traffic statistics: Run `collect counters top` to start gathering interface traffic data over a defined interval .
- View the report: Use `display counters top interface` to see the top N interfaces sorted by inbound and outbound traffic volume .
- Notes: The collection interval ends automatically, and the configuration is not saved. If the master switch in a stack fails, rerun the `collect counters top` command on the new master .

Log-Based Traffic Monitoring

For more detailed traffic logs:

- Enter system view: `system-view` .
- View logs: `display logbuffer` or `display logbuffer type traffic` to filter for traffic-related logs .
- Exit log view with `quit` when finished.

Additional Useful Commands

- `display mac-address` to see MAC addresses associated with interfaces, which helps identify devices generating traffic .
- `display arp` to view IP-to-MAC mappings, useful for tracking IP traffic sources .
- `display lldp neighbor` to identify connected devices and their ports, aiding in traffic analysis .

Summary

For effective IP traffic monitoring on Huawei core switches:

- Use `display interface` and `display interface brief` for real-time interface statistics.
- Use `collect counters top` and `display counters top interface` to identify high-traffic interfaces.
- Use log commands and ARP/MAC tables to trace traffic sources and destinations.
- Combine these commands to troubleshoot, optimize, and manage network traffic efficiently.

Article Content

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These commands provide valuable insights into the switch's status, configuration, and performance metrics. In this article, we'll

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Enabling IP Traffic Monitoring

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Check whether directly connected routes are configured. Run the display ip routing-table 10.1.1.10 command to view

Essential Display Commands for Daily Maintenance of Huawei Switches

Quickly view IP address allocation status, management status, and protocol status for all interfaces, facilitating rapid identification of

Master the Basic Command Configurations of Huawei,

As technology advances, networking switches have become an integral part of the IT

Viewing Interface Traffic

Viewing Interface Traffic Using the CLI The command is used to query the IP addresses of the interfaces, the status of the physical

Basic Interface Configuration Commands

Usage Scenario The display command allows you to view statistics about the traffic sent and received by each interface on a device,

IP Routing Basics

On the Internet, network connecting devices such as hubs, bridges, switches, and routers control traffic and ensure data

Viewing Inbound Traffic_Cloud Firewall-Huawei Cloud

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The Dashboard page will be displayed. (Optional) Switch to another firewall instance: Select a firewall from the drop-down list in the

Huawei Switch Show IP Address Secrets? Can Mastering This Cut

That's the core value proposition wrapped within huawei switch show ip address and its related commands. After years watching

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In Figure 15-14, an enterprise network uses Huawei iMaster NCE-CampusInsight as the analyzer to implement intelligent O&M on

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Displaying Traffic Statistics

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