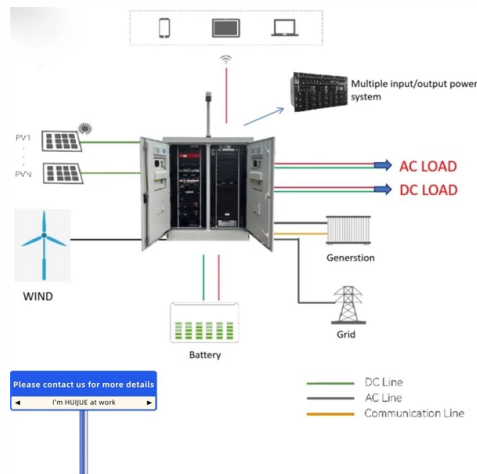


How to limit the IP speed of Huawei core switches



Article Overview

Huawei core switches can limit IP speed using interface-based rate limiting, ACL-based traffic policing, or by manually setting interface speeds.

1. Interface-Based Rate Limiting

Interface-based rate limiting controls the bandwidth of all packets on a specific interface, either inbound, outbound, or both. This method is simple and effective for limiting traffic per port or department. To configure:

- Enter system view and interface view.
- Enable rate limiting and set the committed information rate (CIR) for inbound and outbound traffic.
- Example: Limit outbound traffic on GE0/0/1 to 8 Mbit/s for one department and 5 Mbit/s for another . This method applies to all traffic on the interface regardless of packet type.

2. ACL-Based Traffic Policing

Traffic policing allows more granular control by limiting traffic based on IP addresses, VLANs, or services:

- Create VLANs and assign interfaces to them.
- Configure ACLs to match specific IP addresses, VLAN IDs, or service types.
- Apply traffic policing to the ACL to enforce bandwidth limits.

Article Content

Example for Configuring Interface-based Rate Limiting on a Fixed

Interface-based rate limiting is easy to configure and limits the rate of all packets sent or received on an interface

Example for Configuring Rate Limiting in a Specified Time Range

The traffic policy based on the time range is used to implement rate limiting. The configuration roadmap is as follows:

Huawei Box Switch Interface Speed Limit and Traffic Management ...

Huawei fixed switches provide a variety of speed limiting and traffic management functions, including basic interface

Ethernet Interface Configuration Commands

In this case, you can run the auto speed 100 command to configure the auto-negotiation speed to 100 Mbit/s for GE0/0/1, GE0/0/2,

CX91x Series Switch Modules V100R001C00 Command Reference 15

CX91x Series Switch Modules V100R001C00 Command Reference 15 This document lists all the commands for

Example for Configuring Rate Limiting in a Specified Time Range

In this example, a basic ACL defines a time range and the basic ACL is referenced by the traffic policy module to limit

Huawei Switch Bandwidth Limit Setup

It explains how to log into the switch and use commands like "interface Ethernet 0/0/1", "qos lr inbound cir 1024 cbs 16000000", and

Huawei Switch Bandwidth Limit Setup

This document provides instructions for configuring bandwidth limits on Huawei switches. It explains how to log into the switch and

Huawei Enterprise Support Community

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HUAWEI S Series Switch: How to Configure QoS: Interface-based Rate ...

Learn how to configure QoS and interface-based rate limiting on HUAWEI S Series

Configuring the Interface Rate

Figure 3-5 Networking diagram for configuring the auto-negotiation rate If the network cable rate needs to be considered during

HUAWEI S Series Switch: How to Configure QoS: IP Subnet-based

HUAWEI S Series Switch: How to Configure QoS: IP Subnet-based Rate Limiting
Huawei

Example for Configuring a Layer 3 Switch to Work with a Router for ...

Example for Configuring a Layer 3 Switch to Work with a Router for Internet Access
Layer 3 Switch Layer 3 switches provide the

How do I set a limit on the internet access speed of devices ...

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Huawei switch bandwidth limit Configure

Huawei switch bandwidth limit Configure: Today i discuss how to Huawei switch bandwidth limit Configure. will At first

Configuring the Interface Rate

Non-auto-negotiation mode: You can run the undo negotiation auto command to configure an Ethernet interface to work in non-auto

HUAWEI S6700 SERIES CONFIGURATION MANUAL Pdf Download

On an IPv4 network, configuring BFD for IPv4 static routes on the public network can speed up route convergence and improve

Example for Configuring a Traffic Policy to Implement Rate Limiting ...

Traffic policing is configured in the traffic behavior to limit the rate of matched packets. An Access Control List (ACL)

S600-E Series Switches Typical Configuration Examples

Interface-based rate limiting is easy to configure and limits the rate of all packets sent or received on an interface regardless of

Example for Configuring Rate Limiting Based on VLAN IDs

The configuration roadmap is as follows: Create a VLAN and configure interfaces so that the enterprise can access

9 Query Commands for Huawei Switches

In the modern network environment, switches, as the core equipment of the network, are responsible for key tasks

SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Access Switch + AP + AR180" Networking: Huawei eKit Cloud Management "Gateway + Core Switch +

Setting the Bandwidth of an Interface

This document provides guidance on setting interface bandwidth for Huawei devices, helping users optimize network performance

How to configure Huawei Switch Rate Limiting from ...

This blog will share detailed procedure on how to configure Huawei Switch Rate Limiting for Services from Different VLANs, which

Example for Configuring Rate Limiting for Users on Different Network ...

Configure traffic behaviors on the Switch to limit the rates of packets from users on different floors. Configure a traffic policy on the

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the

Contact Us

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