How to perform aggregation on an H3C5120 switch



Overview

Support Each aggregate interface has an automatically created aggregation group, which contains member ports to be used for aggregation. The type and numbe.

Key Takeaways

Link aggregation on an H3C S5120 switch combines multiple physical ports into a single logical interface to increase bandwidth and provide redundancy.

Overview of Link Aggregation

Link aggregation (also called LAG or port trunking) allows multiple physical Ethernet links to be bundled into one logical interface. Benefits include: Increased bandwidth: Traffic is distributed across all member ports. Improved reliability: If one port fails, traffic is automatically switched to other member ports.

Simplified management: The aggregate interface is treated as a single logical port for VLANs and routing.

H3

C switches support Layer 2 aggregation, where member ports are Ethernet interfaces, and Layer 3 aggregation, which can carry routed traffic. Aggregation groups can operate in static/manual mode or dynamic mode using LACP (Link Aggregation Control Protocol),.

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Step-by-

Step Configuration (CLI)Access the switch CLI Connect via console, Telnet, or SSH. Enter system view mode:system-view Create an aggregation group For example, to create aggregation group 1:interface Bridge-Aggregation 1 Add member ports to the aggregation group Assign physical interfaces to the group. For example, to add GigabitEthernet 1/0/1, 1/0/2, and 1/0/3:interface GigabitEthernet 1/0/1port link-aggregation group 1interface GigabitEthernet 1/0/2port link-aggregation group 1interface GigabitEthernet 1/0/3port link-aggregation group 1 Set load-sharing type (optional) By default, H3C uses load-sharing across member ports.

You can verify or configure:display link-aggregation summary This shows the aggregation interface type (BAGG for bridge aggregation) and load-sharing status.

Configure VLA

Ns on the aggregate interface Assign VLANs to the aggregated interface as you would for a single port:interface Bridge-Aggregation 1port link-type accessport default vlan 10 Save the configurationsave VerificationCheck aggregation summary:display link-aggregation summary Confirms member ports, aggregation type, and load-sharing status. Check interface status:display interface Bridge-Aggregation 1 Shows operational status and traffic statistics.

Notes and Best Practices

Ensure all member ports have the same speed and duplex settings.

Use LAC

P for dynamic aggregation if the connected device supports it; otherwise, use static/manual aggregation. Aggregation groups can carry multiple VLANs, but all member ports must be in the same VLAN configuration. Avoid mixing Layer 2 and Layer 3 ports in the same aggregation group.

By following these steps, you can successfully configure link aggregation on an H3C S5120 switch, improving both bandwidth and network resilience.

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Article Content

Ethernet link aggregation configuration commands. H3C S5120

Parameters interface-list : Specifies a list of link aggregation member ports, in the format of interface-type interface-number [to interface-type interface-number], where interface-type interface-number

H3C S5120-SI LAN switch Configuration Guide

This guide describes how to configure and manage the switch, including setting up VLANs, spanning tree, and link aggregation. It also covers how to implement flow control, load sharing, port isolation,

H3C S5120-SI SERIES CONFIGURATION MANUAL

CLI allows you to input a command containing more information at one time. On the H3C switch series, which deliver powerful functions, it is faster to perform

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By introducing a gap between rules rather than contiguously numbering rules, you have the flexibility of inserting rules in an ACL. This feature is important for a config order ACL, where ACL rules are

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The central question hinges on whether investing effort into learning and applying specific S5120 switch commands yields measurable efficiency beyond basic setup. The unequivocal ...

How to configure Link/Bridge Aggregation on "H3C/HPE" switches by

In this Lab I demonstrated how to configure Link Aggregation on HPE/H3C switches. Same way we have already configure the Ether-Channel on Packet tracer.

H3C LACP Configuration

Link Aggregation Control Protocol (LACP) : It is a protocol that enables simultaneous operation of multiple uplinks to provide higher bandwidth and redundant connection between two switches.

Chapter18:Link Aggregation Configuration

To aggregate multiple physical ports into a logical channel, you can use static aggregation or LACP protocol for negotiation.

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This guide covers configuration and management of H3C S5120-SI LAN switch, including VLANs, spanning tree, link aggregation, port isolation, and more.

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H3C Three-Layer Aggregation

1. Configuration steps The switch needs to enter the interface and change the interface to Layer 3 mode. (Routers do not need to change, the default router mode) Create an aggregated

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