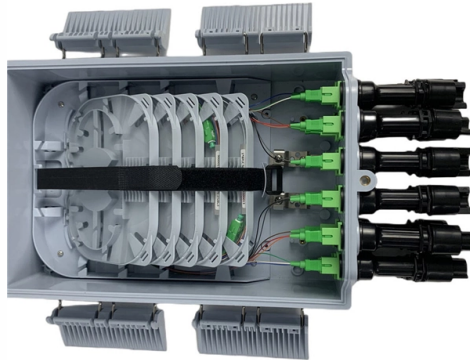


Configuring an H3C Aggregation Switch



AI Overview

H3C aggregation switches can be configured for static or dynamic link aggregation using Bridge-Aggregation interfaces, allowing multiple physical ports to operate as a single logical link for increased bandwidth and redundancy.

Step 1: Enter System View
To configure an H3C switch, first access the switch via console or Telnet and enter system-view mode:
`CodeCopy system-view` This mode allows you to make configuration changes to interfaces and aggregation groups.

Step 2: Create a Bridge-Aggregation Interface
Declare a link aggregation group using the interface Bridge-Aggregation command:
`CodeCopy interface Bridge-Aggregation 1` This creates the first aggregation group. If additional groups are needed, increment the number accordingly.

Step 3: Set Aggregation Mode
Choose between dynamic (LACP) or static aggregation:
`CodeCopy [H3C-Bridge-Aggregation1] link-aggregation mode dynamic`
Dynamic mode uses LACP to negotiate link aggregation with the peer device. Static mode aggregates ports without negotiation.

Step 4: Assign Physical Ports to the Aggregation Group
Enter each physical interface and add it to the aggregation group:
`CodeCopy interface GigabitEthernet 1/0/1 [H3C-GigabitEthernet1/0/1] port link-aggregation group 1` Repeat for all ports to be included (up to 8 ports per group for most H3C switches).

Step 5: Configure VLANs and Trunking (Layer 2)
If the aggregation is Layer 2, configure the Bridge-Aggregation interface as a trunk and assign VLANs:
`CodeCopy interface Bridge-Aggregation 1 [H3C-Bridge-Aggregation1] port link-type trunk [H3C-Bridge-Aggregation1] port trunk permit vlan 10 20` This allows VLAN 10 and VLAN 20 traffic to pass through the aggregated link.

Step 6: Configure Layer 3 Aggregation (Optional)
For Layer 3 aggregation, switch the interface to Layer 3 mode and assign an IP address:
`CodeCopy interface Bridge-Aggregation 1 [H3C-Bridge-Aggregation1] undo portswitch [H3C-Bridge-Aggregation1] ip address 192.168.1.1 255.255.255.0` This enables routing capabilities on the aggregation interface.

Article Content

Networklearner: Port channel configuration on H3C switches

Port channel configuration on H3C switches This document explains the port-channel configuration on H3c 5920 switch. To explain the configuration we have configured two interfaces

Horror Network: Creating link-aggregation on h3c/hpn switch.

Link aggregation is a computer networking term to describe various methods of combining (aggregating) multiple network connections in parallel to increase throughput beyond what a single

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. Link of that video is also below to further ...

Initial setting & basic command of HPE (H3C) switch ~ VLAN ...

First create a logical Bridge Aggregation interface, enter the interface you want to belong to BAGG, set its group number, leave the group, enter the Bridge Aggregation interface once more

H3C S5830 Switch Series Configuration Examples

802.1X configuration examples This chapter provides examples for configuring 802.1X authentication to control network access of LAN users.

HUAWEI S5700 switch link aggregation configuration

HUAWEI S5700 switch link aggregation configuration , Programmer Sought, the best programmer technical posts sharing site.

H3C S5830 Switch Series Configuration Examples

Users must pass 802.1X authentication to access the Internet. They use the H3C iNode client to initiate 802.1X authentication. Switch A uses a RADIUS server (Switch B) to perform

H3C Three-Layer Aggregation

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

How to Master H3C Device Switch Commands: A

Ready to optimize your network management? Explore our comprehensive guide to H3C device switch commands. Upgrade your skills and

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