

View aggregation port information on H3C switches



AI Overview

H3C switch port aggregation combines multiple physical ports into a single logical link to increase bandwidth, provide redundancy, and simplify network management. Overview of Port Aggregation Port aggregation, also known as Ethernet link aggregation, allows multiple physical Ethernet links to be bundled into one aggregate link. This provides:

- Increased bandwidth: Traffic is distributed across member ports, allowing the aggregate link to exceed the capacity of a single port.
- Improved reliability: If one member port fails, traffic is automatically switched to other ports in the group.
- Simplified management: The aggregate link appears as a single logical interface to upper-layer protocols.

Each aggregation group has member ports and a logical aggregate interface (e.g., Bridge-Aggregation1) that handles traffic forwarding.

Types of Aggregation

- Static Aggregation: Ports are manually assigned to an aggregation group. The selected state of a port is independent of the peer port, and no negotiation protocol is used.
- Dynamic Aggregation (LACP): Uses the Link Aggregation Control Protocol (LACP) to automatically negotiate and maintain the aggregation group. Ports can be in selected or standby states, and LACP ensures load balancing and redundancy.

Configuration Guidelines

Port Preparation: Before adding a port to an aggregation group, remove conflicting configurations such as VLAN mapping, QinQ, or port isolation.

Port Attributes: For static aggregation, all member ports must have the same link type (Trunk, Hybrid, or Access). For dynamic aggregation, ports must also match in rate and duplex mode.

VLAN Trunking: Assign VLANs to the aggregate interface to allow multiple VLANs to pass through a single logical link.

Master Port Selection: In a manual aggregation group, the port with the lowest number becomes the master port, while others serve as member ports. Exa...

Article Content

H3C S5830 Switch Series Configuration Examples

The authentication port (UDP) used by RADIUS servers is 1812 according to standard RADIUS protocols. However, the port (UDP) is set to 1645 on an H3C device that functions as the

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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

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Port status in manual aggregation group A port in a manual aggregation group can be in one of the two states: selected or standby. The selected port with the minimum port number serves as the master

Detailed introduction to aggregation configuration of H3C ...

At the same time, use show Ethernet channel summary to view information on Cisco switches Finally, after the above configuration, the port aggregation can be connected.

Contact Us

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