

# H3C switch ARP aggregation



## AI Overview

ARP aggregation on H3C switches involves managing ARP entries efficiently, often in conjunction with link aggregation, to optimize network performance and prevent ARP table overflow.

### ARP Management on H3C Switches

H3C switches provide several commands to control ARP behavior:

- **Dynamic ARP entry limits:** You can set the maximum number of dynamic ARP entries per interface using the `arp max-dynamic-entry number` command. This helps prevent ARP table overflow in high-density networks, with the number ranging from 0 to 8,192 depending on the switch model (S7500 Series) . On S5500-SI series switches, the limit ranges from 1 to 2,048 .
- **Proxy ARP:** Enabling proxy ARP with `arp proxy enable` allows the switch to respond to ARP requests on behalf of other hosts, which is useful when hosts are in different VLANs but need Layer 3 connectivity . You can also enable intra-VLAN proxy ARP using `arp proxy source-vlan enable`.
- **ARP entry checks:** The `arp check enable` command prevents the switch from learning multicast MAC addresses, ensuring only valid ARP entries are added .
- **Static ARP entries:** Use `arp static ip-address mac-address vlan vlan-id` to configure static ARP entries, which remain effective as long as the VLAN exists .
- **Clearing ARP entries:** Commands like `reset arp` or `display arp` allow you to clear or view ARP entries for specific interfaces or IP addresses .

ARP Aggregation with Link Aggregation...

## Article Content

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H3C S9500 SERIES OPERATION MANUAL Pdf Download | ManualsLib

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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

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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

Nov 24, 2025

H3C S5500-SI Series Ethernet Switch Command Manual | Manualzz

This command manual provides a comprehensive guide to configuring and managing H3C's S5500-SI series Ethernet switches.

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H3C Devices CLI Reference

To avoid abnormal configuration terminal display, use a serial console cable provided by H3C, as shown in Table 2. If you use a third

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download.h3c

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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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

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### H3C S5500-SI Series Ethernet Switch Command Manual | Manualzz

Use the arp check enable command to enable ARP entry check, preventing the device from learning multicast MAC addresses. Use

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### H3C S7500 SERIES COMMAND MANUAL Pdf Download | ManualsLib

Use the undo arp proxy enable command to disable proxy ARP. You can use the arp proxy enable command to enable the switch to

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### 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

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Switches-H3C

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