Viewing Static Routes on H3C Core Switches



Overview

Support As shown in Figure 5, configure static routes on Switch A, Switch B, and Switch C, and configure static route FRR. When Link A Support You can asso.

Key Takeaways

You can view static routes on H3C core switches using the display ip routing-table command in the CLI, which lists all configured routes including static routes, next hops, and associated interfaces.

Using the CLI to View Static Routes
• Access the switch via console, SSH, or Telnet.

• Enter system view if needed:

system-view

• Display the routing table to see all routes, including static routes:

display ip routing-table This command shows the destination network, subnet mask, next-hop IP, outgoing interface, and route type. Static routes are usually marked with an S in the route type column.

• Filter for static routes only (optional) using:

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display ip routing-table | include S This helps quickly identify all manually configured static routes.
Additional Useful Commands
• Check a specific static route:

display ip route This shows the next hop and interface for a particular network.

• Monitor route reachability: You can associate a static route with a Track object to monitor the next hop's availability, which is useful for high availability setups .

• Recursive lookup options: H3C switches support recursive-lookup and host-route keywords, but they are mutually exclusive when configuring static routes .
Web Interface (Optional)

Some H3C switches, like the S1600V2 series, allow viewing static routes through the web management interface. Navigate to the Routing > IP Routing Table section to see all configured routes, including static routes, next hops, and interfaces .

Notes
• Static routes do not adapt to topology changes, so any network changes require manual updates .

• Ensure that the next-hop IP and outgoing interface are correctly configured to avoid routing issues.

• For multi-VPN or ECMP configurations, verify that primary and backup links do not share the same physical interface .

By using these commands and options, you can effectively view, verify, and troubleshoot static routes on H3C core switches.

Article Content

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How to configure static routes on an H3C core switch

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H3C Switch Basic Configuration | VLAN | DHCP Server | Static

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Figure 5 shows that Switch S, Switch A, and Switch D are interconnected through static routes. Configure static route FRR so that

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As shown in Figure 2, the switches act as gateways of an enterprise, and they are required to perform stateless address

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Detecting reachability of the static route''s next hop If a static route fails due to a topology change or a fault, traffic over the route is

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About static routes Static routes are manually configured. If a network''s topology is simple, you only need to configure static routes

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Use the ip route-static vpn-instance command to configure a static route. When a multi-role host is used, you can configure a static

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Prerequisites Configure IP addresses for the interfaces as shown in Figure 3. Procedure # Configure static routes on Route A and

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In Figure 3, configure a static route to subnet 120.1.1.0/24 on Switch A and configure a static route to subnet 121.1.1.0/24 on Switch

H3C Devices CLI Reference

For example, if you configure the shiprt alias for display ip routing-table, you can enter shiprt to execute the display ip routing-table

Master the Basic Command Configurations of Huawei, H3C, Ruijie,

As technology advances, networking switches have become an integral part of the IT infrastructure. They play a

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You can create a static route group, and specify the static group in the ip route-static command. All prefixes in the static route group

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· Static routing configuration in the Layer 3—IP routing configuration guide for the device. · Static routing commands in the Layer

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H3C S5830 Switch Series Configuration Examples

User view commands: cfd Connectivity fault detection (IEEE 802.1ag) cluster Run cluster command debugging Enable

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To delete a static route, use the undo ip route-static command. To delete all static routes including the default route, use the delete

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Static routing commands display ip routing-table Use display ip routing-table to display routing table information. Syntax display ip

Support

If you have executed the ip route-static group command to bulk create static routes, deleting or adding prefixes in static route group

Chapter: Configuring Static Routing

This chapter describes how to configure static routing on the switch. This chapter includes the following sections: •

Static Route Configuration on Cisco Routers

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This lesson explains IP routing. We''ll compare and contrast static versus dynamic routing and highlight the benefits and drawbacks

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A dynamic routing protocol can redistribute routes from other routing protocols, including direct and static routing. For more

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Configure a static route on Switch A, and specify VLAN-interface 100 as the backup output interface and 12.12.12.2 as the backup

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