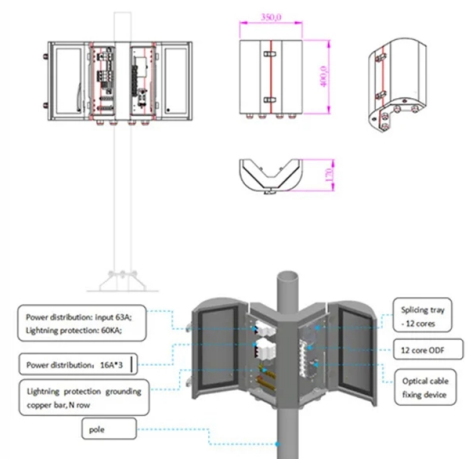


H3C core switch goes offline



AI Overview

When an H3C core switch goes offline, the issue may stem from hardware failures, software crashes, configuration errors, or IRF fabric problems, and systematic troubleshooting is required to restore operation.

Initial Diagnostic Steps

Collect System and Network Information: Document the symptom, time of failure, network topology, port connections, and any recent configuration changes. Capture log messages and diagnostic outputs using commands like `display logbuffer` or `display diagnostic-log` to identify errors or traps.

Check Physical Hardware: Inspect LEDs, power supplies, and fan trays. A faulty power supply or fan tray can cause the switch to go offline. Replace any components that remain in a Fault state.

Verify Software Integrity: Ensure the system software image is intact. If CRC errors or missing images are detected, reload the system software image. Persistent software issues may require contacting H3C Support.

IRF Fabric and Configuration Checks

If the switch is part of an IRF (Intelligent Resilient Framework) fabric, verify that all member devices have unique IDs and compatible software versions. Use `display irf` to check the fabric status.

Review ACLs and QoS policies, as exhausted hardware resources or misconfigured ACLs can cause operational failures. Remove unused ACLs or correct misconfigurations.

Log and Diagnostic Management

Enable the information center and diagnostic logging with `info-center enable`, `info-center logfile enable`, and `info-center diagnostic-logfile enable` to capture detailed logs for troubleshooting. Export logs via FTP, TFTP, or USB for offline analysis.

Recovery and Preventive Measures

Configuration Backup: Regularly back up the switch configuration to a remote server to allow recovery in case of failure.

Safe Hardware Handling: Use ESD wrist straps when replacing components to prevent damage.

Fallback Authentication: If using RADIUS for authentication, configure local user accounts as a fallback to maintain access if the RADIUS server is unreachable.

When to Contact Support

If hardware replacement is required, contact H3C Support for assistance.

Article Content

H3C S12500 Switch Series Troubleshooting Guide-R7128-6W100

You can use the undo board-offline command to get the switching fabric module online. See "Troubleshooting hardware forwarding" to resolve the problem, and contact H3C Support.

I totally fucked up our network core switch and everything is ...

I totally fucked up our network core switch and everything is down right now I'm just an apprentice and I don't know what I've done wrong! We have a pair of Dell N3224P-ON switches and today's morning

H3C Switch Command Mastered? Trouble Resolved Before Lunch?

Investing in comprehensive H3C switch command line mastery transcends routine administration – it directly quantifies operational resilience in minutes saved per incident ...

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switches go down completely, then come up

So that if one switch goes down, STP will account for the lost switch and the other switches will be ok. But, when this issue happens, the computers on that floor can NOT access

H3C Fixed-Port Campus Switches Troubleshooting Guide

This section describes how to troubleshoot unexpected switch reboot, removable power modules, and fixed fan trays. To troubleshoot transceiver modules and ports, see "Troubleshooting ports."

I totally fucked up our network core switch and everything is ...

We have a pair of Dell N3224P-ON switches and today's morning my colleague gave me a task and instructions to remove some unused VLANs. I'm sure I removed the correct VLANs. When I saved

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Stack going offline

Or does it go offline in some other way? The fibre cable you pull out, is that the uplink? What does it go to? Does the device it goes to have anything interesting in its event log? Whatever is

H3C Switches Quick Start Maintenance Guide-6W100

Home Support Quick Start H3C Switches Quick Start Maintenance Guide-6W100
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(170.83 KB) Released At: 03-11-2025

Network Switch Troubleshooting Guide: Common Problems and

A comprehensive switch troubleshooting from the physical layer to the data link layer to the network layer to find out why your network switch is not working.

H3C S6300 SERIES TROUBLESHOOTING MANUAL Pdf Download

If there are cooling measures to maintain the switch operating temperature below 60°C (140°F), the switch can be used temporarily. If the issue persists, contact H3C Support.

Core MS425 goes offline repeatedly throughout the day

We have a single MS425 that aggregates all of our separate links then connects to a MX450 firewall. Starting a few weeks ago after no network changes the 425 goes down taking the entire network with

H3C Router and Switch Configuration Lab | PDF

The document describes initial configuration tasks for a router and switch, including:
1) Resetting the devices to factory defaults and verifying default settings. 2)

H3C S5120V3-EI SERIES TROUBLESHOOTING MANUAL Pdf

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S5120V3-EI Series switch pdf manual download. Also for: S5560s-si series, S5500v3-si series, S5570s-ei series, S5170-ei

H3C Switch Command Mastery: Streamlined

In today's fast-paced network environments, H3C switches form the backbone of enterprise connectivity. While many administrators rely on GUI configurations,

Why Does H3C Switch Rollback Get Stuck? Is Your Network Facing

When your h3c switch stuck in issue rollbacking, it's not just a hiccup—it's a red alert screaming for your attention. Picture this: you're mid-update on a core switch, rolling ...

H3C SOHO SERIES TROUBLESHOOTING MANUAL Pdf Download

Introduction This document provides information about troubleshooting common software and hardware issues with H3C Comware 5 SOHO switches. This document is not restricted to specific software

H3C Fixed-Port Campus Switches Troubleshooting Guide-6W104

If the transceiver module is not operating correctly, replace it with a H3C transceiver module that matches the fiber port. For more information about transceiver modules and cables, see

H3C S5800 Core Switch: Hidden Muscle? Can a Core Switch Truly

The H3C S5800 core switch, however, offers a powerful arsenal for downtime resistance. Its redundant hardware architecture (dual supervisors, power, fans) provides fault tolerance at the component

Contact Us

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