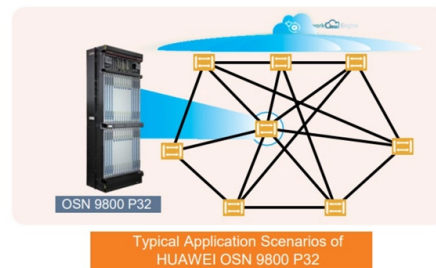


How to cascade optical ports on Huawei switches



Article Overview

To cascade optical ports on Huawei switches, connect matching optical ports between switches, configure them as stack ports, and ensure logical port mapping for redundancy and bandwidth optimization.

Physical Connection Requirements

- **Matching Port Types:** Ensure that the optical ports on both switches are of the same type and speed, e.g., SFP or SFP+ modules with identical rates .
- **Port Pairing:** For certain models like the S5720-LI, S5720S-LI, and S5720I-SI series, each logical stack port can only include two physical member ports (e.g., stack member ports 1 and 2 or 3 and 4), .
- **Cable Selection:** Use high-quality optical cables compatible with the SFP modules. Multiple cables are recommended to increase bandwidth and provide redundancy .
- **Connection Sequence:** When stacking multiple switches, connect from top to bottom. Top switch logical stack ports connect to the master ends of cables, bottom switch ports to standby ends, and intermediate switches connect to both ends for proper stacking .

Logical Configuration

- **Assign Physical Ports to Logical Stack Ports:** Enter system view and configure the physical optical ports as stack ports. For example, ports XGigabitEthernet0/0/1 to XGigabitEthernet0/0/4 can be grouped as stack member ports .
- **Redundancy Setup:** Create two logical stack ports per switch to prevent stack splits caused by a faulty port

Article Content

Sx300 Series Switches Typical Configuration Examples (V200)

Scenario 1: The Stack System Operates on Aggregation Switches This is the most common scenario when aggregation switches set

CloudEngine S5736-S Series Switches | Huawei Enterprise

CloudEngine S5736-S series switches are all-optical switches that feature 48 downlink optical ports and four uplink 10 GE ports.

Establishing a Stack Using Dedicated Stack Cables

In this situation, these switches can set up a stack, but their master and standby roles and stack IDs are randomly generated. To

CloudEngine S5535-S-V2 Series Hybrid Optical-Electrical Switches

Huawei CloudEngine S5535-S-V2 Series Hybrid Optical-Electrical Switches are standard gigabit Ethernet switches that provide all

Typical Stack Configuration of Fixed Switches

Fixed switches are often deployed at the aggregation layer and access layer. Unlike modular switches, fixed switches have a fixed

Optical Fiber

AOC An active optical cable (AOC) is a fixed-length optical fiber with optical modules at both ends. It can be directly connected to an

Connecting Stack Cables

Select stack cables before connecting them. For details about the stack cables that apply to different ports on different switch

S Series Switches Stack Deployment Best Practices

If switches support cards and the service ports on the cards support stacking, these service ports can be used for stacking, and

Installing Stack Cables and Powering On the Switch

Multiple physical member ports can be bound to a logical stack port to improve stack reliability and bandwidth. The stack will not split

S600-E Series Switches Typical Configuration Examples

Overview Service port connection allows member switches to be connected using service ports, without requiring dedicated stack

CloudEngine S5731-H Series Switches | Huawei Enterprise

CloudEngine S5731-H series hybrid optical-electrical switches provide GE/10 GE electrical downlink ports and four 10 GE uplink

Stack Configuration

Stack Configuration This chapter describes how to set up a stack of multiple switches to improve forwarding performance and reliability.

S SERIES SWITCHES STACK DEPLOYMENT BEST PRACTICES

When a switch joins a stack: If the stack ID of the switch is not used in the stack, the switch can still use this stack ID. If the stack ID

CloudEngine S5735-S-V2 Series Hybrid Optical-Electrical Switches

Based on the next-generation high-performance hardware and Huawei's Versatile Routing Platform (VRP), the CloudEngine S5735

S Series Switches Stack Deployment Best Practices

S Series Switches Stack Deployment Best Practices This document describes the best practices for stack deployment, including

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.gmarkconstruction.co.za>

Email: sales@gmarkconstruction.co.za

Phone: +31-6-15-38-72-94

Address: Herengracht 456, 1017 BS Amsterdam, Netherlands

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