

# Detailed Explanation of Huawei Switch Optical Port Stacking





## Detailed Explanation of Huawei Switch Optical Port Stacking

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### **S5700-LI and S5700S-LI Service Port Stacking Support**

A stack cannot be set up between S5700S-P-LI and S5700S-X-LI. Since V200R011C10, S5700-LI and S5700S-LI series switches can set up stacks in service port stacking mode using dedicated stack

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### **Optical Module Solutions for Huawei S5700/S5720 Series Switches**

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

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## **Setting Up a Stack Using Dedicated Stack Cables**

Context Configuration-free stack setup is supported when you use service ports to set up a stack through dedicated stack cables or use dedicated stack ports to set up a stack. For details, see the

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## **Huawei CE Series Switches Stack Configuration Notes**

In this article, we will introduce the definition of a stack and purpose of setting up a stack.

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## **What Is Stacking? Why Do We Need Stacking?**

What Is Stacking? Stacking is a technology that connects multiple switches through stack cables to form a logical switch for data forwarding. As a



## **Optical Module Solutions for Huawei S5700/S5720 Series Switches**

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

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## **Huawei S5700 Stack Power? How Crucial Is Switch Stacking For**

The Huawei S5700 stack switch solution embodies this principle perfectly. By leveraging stacking technology - turning a collection of stackable Huawei S5700 units into

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## How to Master Huawei Switch Stacking: Best Practices and

Mastering Huawei switch stacking requires meticulous planning, adherence to best practices, and proactive troubleshooting. By leveraging ring topologies, uniform firmware, and

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## Stacking Switches

Stacking Switches This section describes how to stack switches, enabling you to stack a group of switches that support the stack feature to form a single logical stack unit. Stack features simplified

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## 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 of the switch has been used by another



switch in the stack, the stack

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## **Example for Adding a Member Switch to a Stack (Service Port**

The configuration roadmap is as follows: Examine the physical connections of the stack to determine a location for the new member switch. Perform software configurations for service port stacking on

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## **S6730-S and S6730S-S Service Port Stacking Support**

A stack cannot be set up between the S6730-S and S6730S-S. The number of stacked switches is recommended to be 2 to 9. In addition, when using iMaster NCE-Campus to manage and maintain a

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## **Huawei S Series Switches Stack Guide--Version and Model**

As we know, switch stacking deployment has some special requirement or limitation, this blog will share the software version and model requirement in detail on Huawei S Series Switches stack deployment.

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## **Stack Port and Cable Requirements**

For details about cables and optical modules, see "Cables" and "Optical Modules" in the CloudEngine 16800 Series Switches Hardware Description. When setting up a stack, ensure that optical modules

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## **S6720HI Service Port Stacking Support**

The first 12 10GE ports of the S6720-50L-HI-48S cannot be used as stack member ports.



S6720HI series switches of all versions can set up stacks in service port stacking mode using dedicated stack

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## **S5735-L-I Service Port Stacking Support**

S5735-L-I Service Port Stacking Support For the cables that can be used as stack cables, see "Cables" in the Hardware Description. Using other cables may cause exceptions in the stack system, for

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## **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 as long as one physical link is available between the member

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## **How to Configure Stacking on Huawei S5700LI Switches?**

Before configuring stacking, ensure the following: Compatible Switches: All switches in the stack must be Huawei S5700LI models or compatible with the S5700LI series. Stacking Cables: Use dedicated

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## **Huawei S5700 Stack Power? How Crucial Is Switch Stacking For**

The Huawei S5700 stack switch solution embodies this principle perfectly. By leveraging stacking technology - turning a collection of stackable Huawei S5700 units into one robust, intelligent fabric -

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## **What Is an All-Optical Ethernet Switch?**



All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for building an all-optical campus network. They can function as

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## **S5731-S and S5731S-S Service Port Stacking Support**

For stacking-supported service ports, some of them can be used as stack ports, whereas some can be used as ordinary service ports. S5731-S and S5731S-S series switches of all versions can set up

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## **How to configure Stacking in Huawei Switches , What is Stacking , Stack**

Stacking is a technology that connects multiple switches through stack cables to form a logical switch for data forwarding. As a widely-used horizontal virtualization technology, it can improve

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## **Huawei S-Series Switch Stacking Demonstration**

This test uses two Huawei S series switches of the same model for stacking, and the stacking can support up to nine switches; the following table shows the switches and stacking cables

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## **Huawei switch configuration stacking**

Switch (SWITCH) is a network device for transmission of electrical signals. It can provide an exclusive electrical signal channel for any two network nodes that access the switch.

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## **Overview of Stacks**



Member switches can join or leave the stack without affecting other member switches. New switches automatically synchronize the configuration file and system software version with the master switch.

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## **Example for Setting Up a Stack Using Service Ports (V200R003 and**

To improve stack efficiency and reduce manual configuration, since V200R011C10, switches can set up a stack using dedicated stack cables. Service port connections are classified

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## **Huawei S-Series Switch Stacking Demonstration**

Switch stacking is the process of combining multiple switches into a logical device that participates in data forwarding as a whole, in order to expand the number of ports, simplify

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## Checking Whether Stack Cables Are Correctly Connected

Modular switch CSS card clustering SRUAs and SRUBs use VSTSA stack cards and dedicated cluster cables and must follow CSS connection rules. SRUCs use VS08 stack cards and dedicated high

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