How to connect two Huawei core switches

Overview

As shown in Figure 3-11, access switches SwitchB and SwitchC of the data center connect to core switch SwitchA.

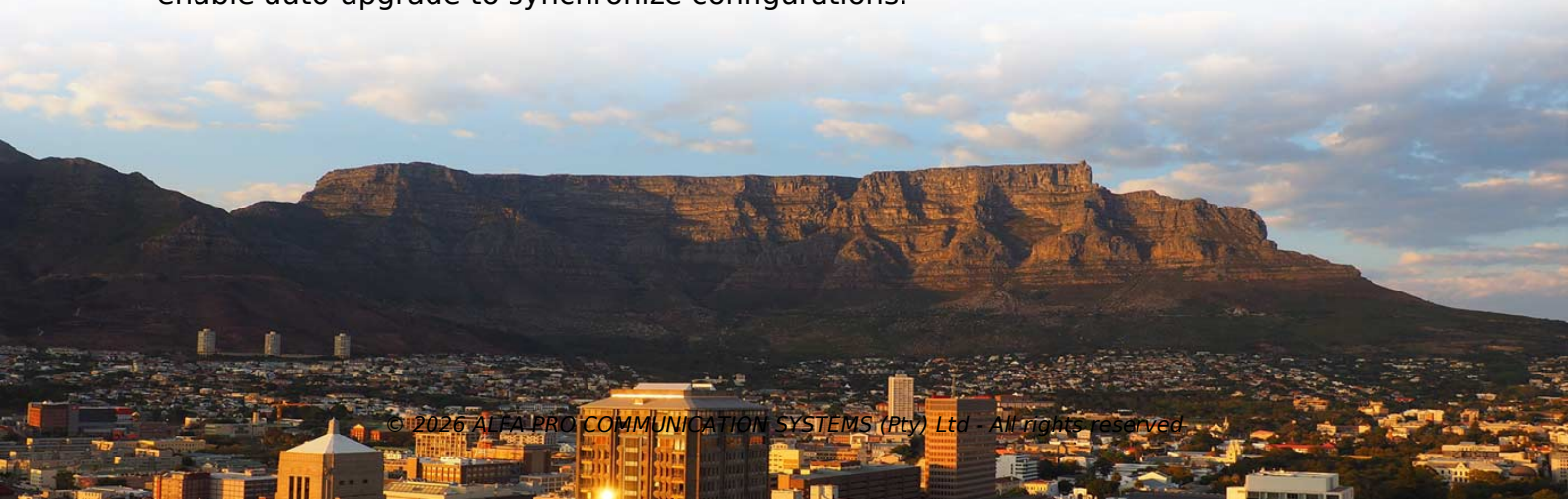
Key Takeaways

Two Huawei core switches can be connected using either stacking (for unified management and redundancy) or Eth-Trunk link aggregation (for high bandwidth and reliability). Method 1: Using Switch StackingStacking allows multiple Huawei switches to operate as a single logical device, simplifying management and providing redundancy. Key steps include: Verify Compatibility: Ensure both switches support stacking (e.g., S5700, S6700, CE8800 series) and have the required stacking modules or service ports.

Use Certified Stack Cables: Connect the switches using dedicated stacking cables (often QSFP-40G-Stack or similar) in a ring topology for redundancy.

Configure Stack I

Ds and Priorities: Assign unique member IDs and set priorities before connecting the stack cables to determine the master switch. Enable Stacking on Switches: Enter system view and configure the physical stack ports, then add them to logical stack ports. Synchronize Firmware: Ensure all switches run the same VRP version and enable auto-upgrade to synchronize configurations.



© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Verify Stack Status: Use commands like display stack to confirm all members are recognized and operational. Benefits: Single management IP, synchronized configuration, redundant backplane bandwidth, and automatic failover if the master switch fails. Method 2: Using Eth-Trunk (Link Aggregation)Eth-Trunk aggregates multiple physical links into a single logical link, increasing bandwidth and reliability.

Select Ports: Choose multiple uplink ports on each switch to form the Eth-Trunk. Determine Mode: LACP Mode: Recommended if both switches support LACP for dynamic link aggregation. Manual Load Balancing: Use if one switch does not support LACP.

Configure Eth-

Trunk: Create the Eth-Trunk interface on each switch. Add the selected physical ports to the Eth-Trunk.

Assign VLA

Ns and configure other relevant parameters. Verify Connectivity: Use commands like display eth-trunk to check link status and load balancing. Benefits: High bandwidth, redundancy, and compatibility with switches that are not stackable.

Best Practices

Prefer stacking for switches of the same model to simplify management and maximize redundancy. Use ring topology for stacking to avoid single points of failure.

For Eth-

Trunk, ensure consistent configuration on both ends to prevent link flapping. Always check firmware versions and stacking licenses before deployment. Document port assignments and VLAN configurations to maintain clarity in large networks.

By following these methods, you can connect two Huawei core switches efficiently, either as a unified stack or via high-bandwidth aggregated links.

Article Content

Using Eth-Trunk to Connect Two Access Switches to a Core Switch ...

More and more users connecting to the network want to communicate with each other. The links between SwitchA and SwitchB, and between SwitchA and SwitchC require sufficient bandwidth and

Using Eth-Trunk to Connect Two Access Switches to a Core Switch ...

As shown in Figure 3-11, access switches SwitchB and SwitchC of the data center connect to core switch SwitchA. SwitchB and SwitchC connect to many users, and SwitchA connects to the external

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

S SERIES SWITCHES STACK DEPLOYMENT BEST PRACTICES

After the stack finishes startup, the switch with stack ID 1 becomes the master switch, the switch with stack ID 2 becomes the standby switch, and the switch with stack ID 3 becomes the slave switch.

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

Huawei''s stacking technology (e.g., iStack and CSS) allows multiple physical switches to operate as a single logical device. However, improper configuration or oversight can lead to

How to Connect Two Switches Together: A Comprehensive Guide

To perform cascading, simply connect the ports of the two switches using twisted-pair cables. The switches remain independent devices, utilizing the port redundancy provided by the

Huawei S-Series Switch Stacking Demonstration

This test uses two identical Huawei S-Series switches for stacking (a maximum of 9 switches can be stacked). Table 1 details the switches and stacking cables used.

How to configure Stacking in Huawei Switches | What is Stacking

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...

Creating a Layer 2 Connection_Enterprise Switch-Huawei Cloud

Locate the enterprise switch that you want to create a Layer 2 connection. In the lower right part of the enterprise switch details page, click Create Connection.

Connecting two core switches : r/networking

Office network and Test Lab network is connected via point to point link. Both Office and Lab network have switches in spine (access layer) where servers or desktops are connected.

Layer 2 vs Layer 3 Switches in 2026: Optimizing

Introduction Planning a new network or upgrading an existing one inevitably raises a critical question: Should you deploy Layer 2 switches, Layer 3 switches, or a

Marvell Technology, Inc. | Essential technology, done right

Designed for your current needs and future ambitions, Marvell delivers the data infrastructure technology transforming tomorrow''s enterprise, cloud, automotive,

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

IdeaHub Board 2 | Education Display | Huawei Enterprise

HUAWEI IdeaHub Board 2 education display integrates teaching hardware and a software ecosystem to provide a one-stop smart classroom solution. Discover it.

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core

SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Access Switch + AP + AR180" Networking: Huawei eKit Cloud Management "Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire Network

Phone Clone – HUAWEI Global

Use the Huawei Phone Clone App to clone/transfer all the data to the new phone quickly and effortlessly, regardless of the phone brand and the operation system (Android and iOS).

NYT Connections archive

Every NYT Connections puzzle ever published is listed here, organised by date, with all four category groups and their sixteen words. The NYT only offers the current day''s puzzle for free,

Connecting two core switches : r/networking

As Edge core is connected to switch so I am thinking about connecting Edge core direct to cisco router because I dont see a point connecting to the switch as there is no filtering via firewall happening. I

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved