

Huawei core switches as aggregation interfaces



Article Overview

Huawei core switches can serve as aggregation points by connecting to aggregation switch stacks via Eth-Trunks, supporting VLANs, Layer 3 interfaces, and high-availability features.

Core Switch Role in Aggregation

In a campus or enterprise network, core switches (CSS) act as the backbone, providing high-speed forwarding, routing, and redundancy for aggregation and access layers. They handle large volumes of traffic and implement Layer 3 routing, VRRP, and ECMP for load balancing and fault tolerance. Core switches can also manage VLANs and Layer 3 interfaces (VLANIFs) to connect to aggregation switches, servers, and other network segments.

Connecting Core to Aggregation Switches

- **Eth-Trunk Interfaces:** Core switches use uplink Eth-Trunks to connect to aggregation switch stacks, providing high bandwidth and redundancy. Auto-negotiation can be enabled for dynamic link aggregation.
- **Layer 3 Interfaces:** VLANIF interfaces on the core switch are configured for each aggregation switch or VLAN, enabling routing between different network segments.
- **VLAN Configuration:** Core switches define VLANs for user traffic, management, and servers. Avoid using VLAN 1 for management or service traffic

Article Content

Oct 26, 2025

Example for Configuring Link Aggregation in LACP Mode When Switches

Example for Configuring Link Aggregation in LACP Mode When Switches Are Directly Connected Overview Ethernet link aggregation

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Campus Switches

Campus Switches Huawei S Series Switches fully accommodate metro core, aggregation, edge aggregation, and access networking

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01-03 LINK AGGREGATION CONFIGURATION

Ethernet link aggregation, also called Eth-Trunk, bundles multiple physical links into a logical link to increase link bandwidth, without

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Huawei S6720S Switch, 10GE + 40GE Aggregation/Core Switches

The Huawei S6720S Switch, specifically the 26Q-EI-24S-AC, delivers a powerful, compact, and intelligent solution for both

Jan 13, 2026

Huawei S6720S Switch - Compact 10GE + 40GE Aggregation/Core

Enterprise and campus networks seek compact yet powerful switches for demanding aggregation layers. The Huawei

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Native AC Solution: Aggregation Switches Function as Gateways for

Networking Requirements Core switches set up a CSS that functions as the core of the entire campus network to implement high

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Configuring Aggregation and Access Switches to Be Managed by the ...

On the core switch, configure a management subnet for aggregation and access switches, enable the DHCP server function on the

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Link Aggregation: Static vs Dynamic, LACP, and MLAG Configuration

This article provides a comprehensive explanation of link aggregation — covering LACP, static vs dynamic link

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How To Configure Interface Breakout And Aggregate On Huawei

This article takes Huawei CE6810-24S2Q-LI and CE6860-48S8CQ-EI switches as examples, introducing the

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Link Aggregation Configuration

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Ethernet Switching This document describes the

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Native AC Solution: Core Switches Function as the Gateway for Wired

Aggregation switches set up stacks to implement device-level backup and increase the interface density and forwarding bandwidth.

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Layer 2 vs Layer 3 Huawei Switches Deep Dive: Internal ASIC

Core Architecture & Switching Logic: ASIC, CPU, and the Forwarding Pipeline The fundamental difference between Layer 2 and

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Configuring Aggregation and Access Switches to Be Managed by the ...

Configure the core switch as the management subnet gateway of the aggregation/access switches. For details, see

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Configuring Link Aggregation in LACP Mode

Configure Link Aggregation in LACP Mode on the Huawei CX320 Switch Module to increase bandwidth and improve

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Two-Tier Core

Configure Two-Tier core switches as a VSX pair for Layer 2 aggregation of the data center access switches, IP data

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Configuring Physical Links (Aggregated Links Between the Core Switch ...

The physical interface configuration page is displayed. Click Core. On the interface panels of the two member switches, select the

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Link Aggregation

S2700, S3700, S5700, and S6700 Series Switches Product Use Precautions This document provides the use

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Native AC + SVF Solution: Parents Containing Aggregation Switches ...

Aggregation switches set up stacks to implement device-level backup and increase the interface density and forwarding bandwidth.

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Standalone AC Solution: Aggregation Switches Function as Gateways

In this example, aggregation switches set up stacks that function as gateways for wired and wireless users on the entire network and

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CloudEngine S12700H Series Switches

CloudEngine S12700H Series Switches CloudEngine S12700H series switches are Huawei's next-generation modular

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Huawei S6730 Switch - 10GE Aggregation & Core

Positioned perfectly as an Aggregation Switch or Core Switch, the S6730-H delivers

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Core, Aggregation, or Access Switches? Choose the

Discover the crucial differences between core, aggregation, and access switches. Find out

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