

Dual-port aggregation of core switch



Overview

To establish a VSX relationship between the core switches, create a link aggregation (LAG) interface for assignment as the VSX data plane's inter-switch link (ISL). The LAG can be defined at the Central UI group level when using the same ports for the VSX ISL on both core. Port aggregation allows you to group multiple physical ports into one unit. We have tested the 1 up-link scenario to firewall and is working as expected. 3ad) that dynamically manages link aggregation, provides automatic failover, and helps prevent misconfigurations by ensuring both ends of the link agree on the aggregation settings. For example, two 10-gigabit Ethernet ports, one each from two MLAG configured switches, can connect to two 10-gigabit ports on a host, switch, or network device to create a link that. Knowing the roles of core, aggregation, and access switches in contemporary network topology becomes essential to create effective and scalable networks.

Article Content

Feb 14, 2026

10G uplink 54-port core routing switch-Aggregation/Core

L3 managed Ethernet core routing switch with 6*1/10G uplink SFP+ fiber ports and 48*100/1000M SFP ports. Built-in 75W power supply and supports 1U/19" cabinet

Aug 08, 2025

UniFi link aggregation: the ultimate guide | UniHosted

Monitor port usage via UniFi Controller to verify link aggregation is working as expected. Label the aggregated ports in the controller to avoid confusion later.

Feb 01, 2026

Aggregation layer | FortiSwitch 7.6.0 | Fortinet Document Library

Aggregation-layer platforms The most appropriate FortiSwitch unit to form the aggregation layer comprises many 10/25/40 gigabit Ethernet ports to address the access layer and a few 100-GbE

Dec 31, 2025

What Is an Aggregation Switch and How to Choose?

To efficiently bridge the access and core layers, the PicOS® S5860-20SQ aggregation switch is an ideal choice —it supports 10G SFP+ ports for

Apr 27, 2026

Core layer | FortiSwitch 7.6.0 | Fortinet Document Library

The FortiSwitch model FS-3032E with 32x100-GbE QSFP28 ports ensures that many aggregation switches can connect simultaneously with little to no possibility of oversubscription and has enough

Mar 11, 2026

PA-Aggregate-Group-Configuration-Dual-Uplink-Core-Switch

This single core switch is now getting replaced by 2 Huawei core switches, both in active-active mode. We have tested the 1 up-link scenario to firewall and is working as expected.

Jan 16, 2026

Data Center Design: Basic 3 Layers, Core, Aggregation,

Data Center Basic Layered Design of Core, Aggregation, and Access The data center network design is based on a proven layered approach, which

Feb 26, 2026

Core Switch vs. Distribution Switch vs. Access Switch

Comprehensive guide to Core, Distribution, and Access Switches. Roles in the network and important parameters explained.

Apr 15, 2026

Ethernet Switch Port Aggregation: Unlocking the Dual Code of

Ethernet Switch Port Aggregation: Unlocking the Dual Code of Network Bandwidth and Reliability In the welding workshop of an automobile manufacturing factory in Zhejiang, when 200 welding robots were

Jul 29, 2025

092-AS5835-54X-EC DS R01 20210205

The AS5835-54X-EC switch is packed with features that bring high availability, comprehensive security, robust multicast control, and advance QoS to network aggregation, while

Jul 24, 2025

Data Center Aggregation Layer Design and Configuration with ...

Introduction This chapter covers the design recommendations for a data center design deployment consisting of a Cisco Nexus® 7000 Series Switch at the aggregation layer and a Cisco Nexus 5000

Feb 24, 2026

Understanding Core Switch: What It Is and How to

Evaluate the required port types, speeds, and quantities based on your existing aggregation layer switch. If budget permits, opt for a core switch with

Jul 04, 2025

Port Aggregation FAQs

MC-LAG (Multi-Chassis Link Aggregation Group) allows two switches to work together as a single logical unit, providing both load balancing and redundancy.

Feb 27, 2026

092-AS5835-54X-EC DS R01 20210205

AS5835-54X-EC The AS5835-54X-EC switch contains 48 10GbE SFP+ ports and 6 100GbE uplink ports, and it is designed for carrier and enterprise aggregation and data center Top of

Sep 24, 2025

Port Aggregation: Boosting Throughput and Redundancy in Enterprise ...

Connections to both MC-LAG switches simultaneously for uninterrupted performance. MC-LAG is particularly valuable in large enterprise or data center networks where two switches need

Dec 29, 2025

Gigabit 10-port managed Ethernet switch

L2+ managed Ethernet switch with 8*10/100/1000M RJ45 ports and 2*100/1000M SFP fiber ports. It built-in 30W power supply and 1U/19" cabinet installation.

Apr 02, 2026

48-Port 10Gb SFP+ L3 Ethernet Core Aggregation

Asterfusion Enterprise SONiC based 48 port 10 gigabit switch, offers 48 x 10GE SFP+, 4 x 25GE SFP28 ports, which provides 1.09T switching capacity. It's very

Apr 03, 2026

Core, Aggregation, or Access Switches? Choose the

Discover the crucial differences between core, aggregation, and access switches. Find out which type can best transform your network's

May 10, 2026

PA-Aggregate-Group-Configuration-Dual-Uplink-Core-Switch

Dear Abdul, Thanks for the update. Both switches are in stack. For my case can you please guide me through step by step for this configuration. Currently port #1 is configured and is

Jun 23, 2026

Ethernet Switch Port Aggregation: Unlocking the Dual Code of

Ethernet switch port aggregation (Link Aggregation) technology is precisely the core weapon to crack this challenge. Port aggregation achieves linear bandwidth stacking by bundling multiple physical

Dec 31, 2025

Design and Configuration Guide: Best Practices for Virtual Port ...

Allows dual-homed servers to operate in active-active mode Provides fast convergence upon link or device failure Offers dual active/active default gateways for servers vPC also leverages native split

Oct 24, 2025

Port Aggregation Configurations

Port aggregation is useful for implementing load balancing and provides a redundant link backup. To allow port aggregation, the basic configuration on all the ports must be consistent. The following list

Aug 06, 2025

HPE Aruba Networking CX switches

Data center Additional campus and data center switches HPE Aruba Networking CX 6400 Switch Series High-availability modular chassis and line card switches for

Jan 13, 2026

[Enterprise Switch] The behavior of MLAG and how to

Purpose A multi-chassis link aggregation group (MLAG) is a pair of links that terminate on two cooperating switches and appear as an ordinary link

Nov 05, 2025

Two-Tier Core

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

Mar 08, 2026

EOS 4.36.0F

Interfaces on both devices participate in a distributed port channel, enabling all active paths to carry data traffic while maintaining the integrity of the Spanning Tree

Jul 26, 2025

What are link aggregation and LACP and how can I use

Unmanaged switches do not support link aggregation. What are the benefits of link aggregation? Link aggregation offers the following benefits:

Dec 26, 2025

Solved: Link aggregation to 2 core switches

Etherchannel is the technology used in cisco to aggregate links in a single bundle. But etherchannel can be built on ports on two same devices which

Apr 30, 2026

Configuring MC-LAG in UniFi Network - Ubiquiti Help

Before you begin, ensure the two ECS-Aggregation switches have been successfully configured for MC-LAG following the steps in the section above. Designate at

Contact Us

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

Website: <https://elagage-lorrain.fr>

Email: sales@elagage-lorrain.fr

Phone: +33 6 47 82 19 35

Address: 15 Rue de la République, 69002 Lyon, France

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