

Virtual Configuration of Core Switch

Article Overview

Virtual configuration allows multiple physical core switches to operate as a single logical switch, enhancing high availability, simplifying management, and improving network resiliency.

Overview

Virtual switch technologies enable two or more physical switches to function as a single logical unit. This approach is commonly used in core and distribution layers to provide high availability, redundancy, and simplified network management. Key technologies include:

- Cisco Virtual Switching System (VSS): Combines two Cisco switches into one logical switch using a Virtual Switch Link (VSL) for control and data plane synchronization .
- Cisco StackWise Virtual: Pairs two Catalyst switches to operate as a single logical switch with distributed forwarding and single management plane .
- Juniper Virtual Chassis: Connects multiple EX or QFX Series switches via Virtual Chassis Ports (VCPs) to form a single logical device .
- Aruba Virtual Switching Extension (VSX): Allows two Aruba switches to operate as a resilient virtual system with independent control planes but synchronized data planes .

Prerequisites

Before configuring a virtual core switch, ensure the following:...

Article Content

Jan 02, 2026

how to configure cisco core switch HSRP active active

In this video we will learn how to configure cisco core switch active active using HSRP

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Solved: Core Switch

Dears This is my first time to configure core switch on packet tracer and still confusing in core switch how to

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Cisco configure VLAN on Core Switch

Cisco configure VLAN on Core Switch InformationTechnologies Cambodia 1.19K

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StackWise Virtual: The Evolution of Cisco Core Architecture ...

The StackWise Virtual domain configuration must be applied on both switches, with specific differences noted below.

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Configuring Devices to Be Managed by the Controller (in the Hybrid ...

Configure the core switches running V600 to be managed by iMaster NCE-Campus using commands. Configure the

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Install VDAs | Citrix Virtual Apps and Desktops™ 7 2603

Install optional software Note: The Optional Software page is a new addition starting Citrix Virtual Apps and Desktops

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Integrating the Virtual Switching System in Cisco Data Center ...

This document provides reference architectures and configuration guidance using the Cisco Catalyst 6500's Virtual

Sep 13, 2025

Introduction to Core Switch Configuration

A switch that functions as part of a router and operates at the third layer of the OSI network standard model, the network layer. The

Jan 12, 2026

High Availability Configuration Guide, Cisco IOS XE Dublin 17.10.x ...

The CPU on the Cisco StackWise Virtual active switch sends Forwarding Information Base (FIB) updates to the Cisco

Dec 22, 2025

How to Configure a Cisco Switch (step by step)

If you're looking to configure a switch for the first time, this post is for you. Learn step-by-step configuration commands

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Configuring the Core Switch

In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need

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Core Switch and Access Switch configuration

HI TEAM, I have a 2 3850 core switch which is on HA and 2960x for my access switch, i requiried help on 2 things. 1)

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FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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Virtual Switches: Features and Configuration

Definition and advantages: Virtual switches are logical switches that offer flexibility,

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Solved: core switch redundancy

Hi, school with around 800 users having one core switch 6509-E sup-720 (inter-vlan routing) collapsed core design

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Virtual Chassis User Guide for Switches

Use this guide to set up and configure an EX Series or QFX Series Virtual Chassis. A Virtual Chassis is composed of

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Understanding the Core Switch: Key Differences and Uses

Explore the core switch's role as the backbone of your network. Discover key differences,

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Features and Applications of Core Switches

Core Switches also provide intelligent routing, QoS assurance, security, scalability, and manageability. A well

Sep 09, 2025

[serenalindquist99/server-core-switch-lab](#)

☐☐ Server/Core Switch Replacement Lab This lab simulates a real-world enterprise network upgrade involving the replacement and

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What is a Core Switch | Functions and Difference over Normal Switch

What is a core switch and how it works? This article builds the basics of this kind of switch for the ones who don't

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Switch Virtual Interface

About SVI External Encapsulation Scope In the context of a Layer 3 Out configuration, a switch virtual interfaces (SVI), is configured

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Plan for Hyper-V networking in Windows Server | Microsoft Learn

Hyper-V networking uses a virtual switch and a virtual network adapter. The virtual switch connects to an Ethernet

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Cisco StackWise Virtual Explained 2025: Comparison & Deployment

Learn what Cisco StackWise Virtual is, how it differs from StackWise-480, and how to deploy it across Catalyst 9000 switches.

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Virtual Switching System (VSS) Best Practices

Virtual Switching System consists of two Cisco Catalyst 6500 Series defined as members of the same virtual switch domain Single

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How to Configure Virtual Switches in Hyper-V (2025)

Complete guide to Hyper-V virtual switches. Configure External, Internal & Private switches with step-by-step

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Guide to Basic Switch Configuration | Auvik

Switch configuration on your own can seem like a daunting task. Use this handy guide to get your network switch up

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Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the

Jun 19, 2026

Virtual switching system (VSS) Configuration For Cisco 4500 series ...

Introduction The Cisco Virtual Switching System is a clustering technology that pools two Cisco Catalyst 4500-E

Contact Us

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