

How to determine the core switch model



Article Overview

You can identify your core switch model using CLI commands, network mapping tools, or management interfaces like Cisco APIC GUI.

Identifying the Core Switch

A core switch is typically the high-capacity, high-performance Layer 3 switch at the backbone of your network, aggregating traffic from distribution switches and connecting to routers or firewalls . To locate it:

- Check network topology: The core switch usually connects to most other switches or serves as the gateway for traffic leaving the LAN .
- Use default gateway information: On a PC, run ipconfig and note the default gateway; the switch connected to this gateway is often the core .
- Map switch connections: Use show cdp neighbors or show cdp neighbors detail on Cisco devices to see which switches are interconnected. The switch aggregating the most connections is likely the core .

Finding the Switch Model

Once the core switch is identified, you can determine its model using several methods:

- CLI (Command Line Interface): On Cisco NX-OS or IOS devices, commands like show version or show inventory display the switch model, serial number, and hardware details

Article Content

Jul 08, 2026

Is there any significant difference between a core switch, a ...

Is there any significant difference between a core switch, a distribution switch, and an access switch except for their speeds and

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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

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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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Cisco Switch Selector

Quickly identify the right Cisco switch for your needs, whether you're looking for a new switch or upgrading an old one for an

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Differences Between the Core Switch and Normal Switch | FiberMall

A core switch is not a type of switch, but a switch placed at the core layer (the backbone of the network). Generally,

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Features and Applications of Core Switches

Ruijie Reyee's network switch products, including high-quality Core Switch models, are widely used across multiple

Mar 07, 2026

Useful Cisco Switch Verification Commands

These commands give you general details about your switch, like the software it is running, how long it has been powered on, and

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What Is a Core Switch in Networking?

What Is a Core Switch in Networking? Understanding the Backbone of Your Network A core switch in networking

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2025 Core Switch Selection Guide: Avoiding Pitfalls & Model ...

This article provides an in-depth guide to core switch selection, recommending models like the Huawei S6730 Series for businesses

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core switch -selection

The other thing that is also important is the number of interfaces you need, a chassis usually gives you a lot more

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core switch -selection

People have known to directly connect PCs (because they were "servers", in a sense) to "core switch" because they

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Core Switches: The Pillar of Network Infrastructure

Get a closer look at core switches: the nerve centers of network infrastructure that enhance performance and facilitate

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What Is a Core Switch? Network Backbone Architecture Guide

This guide breaks down exactly what a core switch does, how it fits into the three-tier network model, and the exact

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Understanding Core Switch: What It Is and How to Choose the

Factors to Consider When Choosing a Core Switch. When selecting a core switch, it's essential to focus on several

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Core Switch

Core switches are defined as high-capacity switches located at the top of a cloud data center network, connecting aggregation

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What Is a Core Switch in Networking?

Unlike access switches, which connect directly to end-user devices, the core switch focuses on aggregating and

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All Switches Products

Cisco has a comprehensive portfolio of network switches and switching solutions for enterprise networks,

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How to find core switch

Hi, Can anyone help me to find out that connected switch is core switch. Is there any command or trick to find it.

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Understanding Core Switch: What It Is and How to Choose the Right

These features are significant in determining the performance, efficiency, and stability of core switches in real-world

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Core Switch Vs Distribution Switch Vs Access Switch□What

Different types of Ethernet switches perform different roles in the layers of high-capacity networks. Core switches, distribution

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Core Switch vs Access Switch | Definitions and Key Differences

This article focuses on the hierarchical internetworking and core switch vs access switch differences. We also

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Solved: Choosing a Core Switch

What makes a core switch a "core" switch - what features does it have, performance, etc.? Does Cisco have a guide -

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Understanding Core Switch: What It Is and How to Choose the Right

This article delves into the concept of core switches and offers guidance on selecting the right one for your network.

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What Is a Core Switch? Network Backbone Architecture Guide

Discover what a core switch does in a 3-tier network model. Learn about ASIC routing, collapsed core vs dedicated

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What Is a Core Switch?

Explore what a core switch does, why it's essential for enterprise networks, and how to choose the right model. Includes real-world

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How to Choose a Core Layer Switch?

As the core backbone layer of the entire network architecture, the core layer bears the traffic transmission of the entire

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