

Core SSH Access Switch



Overview

This article provides a comprehensive guide to enabling SSH on a Cisco switch, covering prerequisites, configuration steps, best practices, and troubleshooting tips. Enter Global Configuration Mode 2. Configure Hostname and Domain Name 3. we are able to access ssh to access switch from wifi user (different vlan) but core switch we cannot access and core switch we can access from access switch via ssh -I. The hierarchy Ethernet network is a three-layer integrated setup of networking devices. I'm thinking I would have to create the SVIs on the Core (VLANs with default gateway IP addresses), and I would have to configure the connecting interfaces from core to access stacks as trunk ports right?

Given the VLANs are. Access switches are typically used to connect end devices such as computers, printers, and IP phones to the network. They are responsible for providing connectivity to these devices and often have a lower port density compared to core switches. Core switches, on the other hand, are designed to. What is the difference between Cisco core switches and access switches?

When you're designing a large network, you're going to need multiple different switches, and in many cases, those switches won't serve the same role. One of them will be used as core and the second will be used as acces sw. Everything is fine, clients get IP from DHCP on both switches.



Article Content

Apr 05, 2026

How to Enable SSH on a Cisco Switch

This article provides a comprehensive guide to enabling SSH on a Cisco switch, covering prerequisites, configuration steps, best practices, and troubleshooting tips.

Jan 28, 2026

Core, Aggregation, or Access Switches? Choose the Perfect Fits

Discover the crucial differences between core, aggregation, and access switches. Find out which type can best transform your network's performance in 2025.

May 13, 2026

Best practices when configuring an Access switch stack to Core switch ...

Make sure the core switch is the root bridge, and enable portfast and BPDU guard on all access interfaces. Do your routing on the core switch, with an L3 transit to the firewall.

Jun 13, 2026

ssh issue in core switch

If the core switch does not have the correct routing configuration to reach the Wi-Fi user's VLAN, SSH traffic will not return successfully. To verify, check the core switch's routing table with the ...

Mar 25, 2026

Cisco Core vs Access Switches: Key Differences ...

Compare Cisco core switches and access switches. Learn key differences for network design and performance.

Nov 20, 2025

Accessing other switches from core switch

I have an old catalyst switch and I want to connect these 2 switches together. One of them will be used as core and the second will be used as acces sw. Normally I do it on new switches easily.

May 22, 2026

Core Switch vs Access Switch | Definitions and Key Differences

The core switch is used in the center of your network, while an access switch is placed on its edge. The main difference between these two kinds of hardware is that one performs more ...

Oct 04, 2025

Core Switch vs. Distribution Switch vs. Access Switch

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

Jun 07, 2026

Access Switch vs. Core Switch

While access switches focus on providing connectivity to end devices, core switches play a critical role in ensuring efficient and reliable data transfer across the network.

May 22, 2026

Solved: Cannot SSH into C9500-48Y4C

The core switch is connected to the access switch via a trunk port which is connected to a port-channel. Both the trunk port and the port-channel are using the same native vlan, and both ...

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