

Management IP access to the core switch



Overview

On the core switch, configure a management subnet for aggregation and access switches, enable the DHCP server function on the gateway interface of the subnet, and enable the controller address auto-negotiation function. Let's say the subnet of the management VLAN where all switches are located is 192. When I try to access the core with http via VPN I don't get a response. Switch is. Devices downstream to the core layer can automatically go online through Zero Touch Provisioning (ZTP). Therefore, during initial batch deployment of these switches, you are advised to import device and Eth-Trunk. This white paper introduces the following three types of network switches and further discusses the selection criteria for each switch. These networks are designed with three tiers that facilitate strategic. Which SVI is being used to reach Meraki Dashboard?

Has the switch fetched tunnel config?

Is the tunnel up?

Are packets coming/going?

Can the switch fetch config?

Can the switch upload the config?

Does the switch need to upload config?

The management interface is now an L3 Interface.

Article Content

May 10, 2026

SMB Network Design: Core vs. Distribution vs. Access Switches

Don't overspend on network hardware. Our expert guide explains core, distribution, and access switches so you can design the right network for your SMB.

May 01, 2026

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 gateway interface of the subnet, and enable the controller address auto

Jun 25, 2026

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

Apr 26, 2026

Core Switch vs Access Switch | Definitions and Key Differences

As a result, there is a significant port number difference between the access switch and the core switch. While the core switch may only be connected with a few distribution switches, the majority of access

Jan 11, 2026

Access Switch vs. Core Switch

Access Switch vs. Core Switch What's the Difference? Access switches are typically used to connect end devices such as computers, printers, and IP phones to the network. They are responsible for

Nov 13, 2025

Solved: management port for management switch

1) I am going to connect all mgmt ports of server to this access switch (L2; 2960x) like below. Then I have a management port in 2960x (FastEthernet /

Mar 19, 2026

Access vs. Distribution vs. Core Switch Comparison Guide

Compare Access, Distribution, and Core switches: understand their roles, features, and differences in enterprise network hierarchy. Make informed network design decisions.

Jun 13, 2026

Designing Access and Core Switching Architectures with Meraki

Switches running CS firmware required a dedicated management IP address, now management is handled by any L3 interface All configuration for management connectivity and L3 interfaces is now

Feb 01, 2026

Configuring a Management IP Address on Catalyst

This document describes how to configure a management IP address on Catalyst 4500/4000, 5500/5000, and 6500/6000 series switches that run

Dec 30, 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.

Feb 26, 2026

Configuring the Core Switch to Be Managed by the Controller

Configuring the Core Switch to Be Managed by the Controller Context After devices to be managed are added to the network site Tenant_Campus, iMaster NCE-Campus needs to establish management

Dec 13, 2025

ACL to block management on all but one VLAN interface

Our core switch handles all our VLAN interfaces and you can telnet to the switch using any one of the VLAN interface IP addresses. I would like to lock this down so that you can only access

Jun 04, 2026

Solved: unable to access switch management IP, need to ping it first

I have configured an interface vlan on each and every switch to serve as its management IP Address. I have used both ip default-gateway command and default route pointing to the

Oct 25, 2025

Solved: unable to access switch management IP, need to ping it first

I need to logged in on the core switch again and from there ping the IP Address of the access switch to gain remote access again. Hope you can help me out on this one, I have already

Oct 17, 2025

How to Assign IP to Management VLAN in Cisco Core

How to assign IP Address to Management interface in Cisco Core and Access Switch for management purpose!!! #cisco #informationtechnology #ipaddress

Aug 12, 2025

Restrict Access to Cisco Switch Based on IP Address

After a lot of testing and several posts to the Cisco forums, I figured it out! In this article, I'll walk you through the steps to configure access profiles and

May 30, 2026

Core to access switch ping working and access to core is not pinging

Hi, we are facinf and issue with ping from access to core core management vlan 98 192.168.98.1 255.255.255.0 vlan 103 192.168.103.1 255.255.255.0 trunk port enabled for vlan 103

Mar 28, 2026

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 discussed the core switches type and built a basic understanding of how a

Jun 23, 2026

Accessing other switches from core switch

Everything is fine, clients get IP from DHCP on both switches. But I cannot access to second switch via management ip. I set ip routing, ip default

May 17, 2026

Configuring the Core Switch to Be Managed by the Controller (Switch ...

Currently, iMaster NCE-Campus mainly manages devices from the access layer to the core layer. To manage a core switch, you need to run commands on the core switch to connect it to

Oct 08, 2025

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

Oct 07, 2025

Solved: Can't access core switch with http

Hi, the core switch has several VLANs. Let's say the subnet of the management VLAN where all switches are located is 192.168.100.0/24. All VLANs on the core are separated in VRFs.

May 06, 2026

Understanding Core Switch: What It Is and How to

The core switch plays a pivotal role in managing substantial network traffic, necessitating a forwarding rate that typically outpaces that of access and

Jan 14, 2026

ECS5520 Series CLI Reference Guide

Section III "Appendices" — Includes information on troubleshooting switch management access. This guide focuses on switch software configuration through the CLI. For information on how

Nov 19, 2025

SSH to Access Switch Management Console from other VLANs

Then I have 2 other Cisco 2960Xs, acting as Access Switches and as VTP clients. Both switch is SSH enabled and I can do ssh by connecting to the management console and by assigning an IP to the

Aug 03, 2025

Switch is passing traffic but has lost management IP connectivity

We have a 2950G that has lost IP connectivity via the management IP. All ports, access and network trunks, are up and passing traffic but there we cannot reach via the management IP.

Contact Us

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