

How to configure the IP address on an aggregation switch



Article Overview

IP addresses on an aggregation switch can be assigned either statically or dynamically to VLANs or aggregated interfaces for management purposes.

Steps to Assign an IP Address

1. Determine the Management VLAN or Aggregated Interface Before assigning an IP, identify the VLAN or aggregated interface (e.g., LAG or AE interface) that will be used for management. On most switches, the default VLAN (VLAN 1) can be used, or a dedicated management VLAN can be created for better network segmentation . 2. Choose Static or Dynamic IP Assignment

- Static IP: Recommended for infrastructure devices to ensure consistent management access. Assign an IP from your management subnet and exclude it from the DHCP pool to prevent conflicts .
- Dynamic IP (DHCP): Can be used for initial plug-and-play deployment, but static assignment is preferred for long-term management . 3. Configure the IP Address via CLI For Cisco switches, the steps are:
 - Connect to the switch console or SSH.
 - Enter Global Configuration mode: configure terminal
 - Enter the interface context for the management VLAN: interface vlan 1 (or your management VLAN)
 - Assign the IP address and subnet mask: ip address 192.168.100.10 255.255.255.0
 - Optionally, set the default gateway: ip default-gateway 192.168.100.1...

Article Content

Jan 05, 2026

Assigning IP Address And Default Gateway To A Switch

If you don't have chance to the same location of switch, you need to connect the devices remotely and manage them via SSH or

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How To Configure A Network Switch

Learn how to configure a network switch for optimal performance and security. Follow these step-by-step instructions

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How To Log In And Manage A Ubiquiti Switch

Insert the Moduletek SFP-10G-T transceiver into a switch port, then connect the switch to your PC using an Ethernet

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How to Configure a Switch IP Address

Guide to configure a switch IP address via CLI: enter privileged mode, set interface ip address and mask, activate

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Aggregation Installation Guide

How to install and set up Aggregation; Set up your USW-Aggregation for the first time.

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Tutorial

Learn how to configure a Cisco Switch Link Aggregation using the command-line, by following this simple step-by-step

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Link Aggregation and Ethernet Bonding Feature Overview and ...

Link aggregation hashes one or more of the source and destination MAC address, IP address and UDP/TCP ports to select a link on

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Configure IP Address Settings on a Switch using the CLI

This article provides instructions on how to configure the IP address settings on the Sx350, SG350X, Sx500, Sx500X

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The Ultimate Guide to Installing and Configuring the Ubiquiti UniFi ...

The Ubiquiti UniFi Switch Aggregation (USW-Aggregation) is a powerful, high-capacity switch, perfect for streamlining

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Chapter18:Link Aggregation Configuration

Chapter 1 Configuring Port Aggregation This chapter describes how to set the port aggregation of the switch.

Jun 30, 2026

AOS-CX 10.13 Link Aggregation Guide (All AOS-CX Series Switches)

For a successful dynamic aggregation, make sure the peer ports of the ports aggregated at one end are also aggregated, and that

Feb 08, 2026

Blog | Comprehensive Guide to Setting Up a Managed IP Switch ...

Setting up a managed IP switch Generally, using a managed IP switch allows you to configure a wide range of

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Configure VLAN Interface IPv4 Address on an Sx350 or SG350X Switch

This article provides instructions on how to configure VLAN interface IPv4 address on the Sx350 or SG350X switch.

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Link Aggregation Configuration

S300, S500, S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Typical Configuration Examples (V200) This

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Ubiquiti Switch Pro XG Aggregation Installation Guide

Connect the Switch Pro XG Aggregation to your network using an Ethernet cable. Access the device's configuration

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Link Aggregation Configuration

Configure VLAN aggregation on SwitchA and SwitchB to implement Layer 2 isolation and Layer 3 connectivity of VLANs 101 to 180

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Configure Aruba Aggregation Switch

This will require a unique IP address on both switches. The IP address is in its own VRF so this address will not be reachable from

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Configure IP Address Settings on a Switch using the CLI

Objective The switch can have multiple IP addresses. Each IP address can be assigned to specified interfaces or ports, Link

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Configure the Internet Protocol (IP) Address Settings on Cisco

This article provides instructions on how to configure the IP address settings on the Cisco Business series switches

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Understanding Switch Aggregation: A Comprehensive

Defining switch aggregation and its role in network architecture Switch aggregation, also

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Configure an IP address on a switch

This article describes how to configure an IP address on a Cisco switch in order to connect over the network for management.

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Everything You Need to Know About Aggregation Switch

An aggregation switch operates at Layer 2 or Layer 3 of the OSI model, depending on the

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Configuring Aggregation and Access Switches to Be Managed by the ...

Switch the management VLAN of the aggregation and access switches to the new management VLAN and configure

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How to set up Link Aggregation on a USG

This tutorial will show you how to configure an 802.3ad LACP interface that bundles multiple physical ports of your USG to multiply

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Configure the IP Address on a TP-Link Managed Switch

Once you are done entering the subnet mask and gateway address, click "Apply" to apply

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Aggregation Switch Reference Configuration | Validated Solution Guide

The Aggregation Switch Reference Configuration section provides a reference CLI configuration of the aggregation

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Switching

Static Link Aggregation Static Link Aggregation involves manually configuring two or more ports to operate as a single logical

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How to Configure EtherChannel Link Aggregation Control Protocol

Manual Etherchannel Configuration - Without using any negotiation protocol listed above Link Aggregation Control Protocol (LACP)

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What Is an Aggregation Switch and How to Choose?

An aggregation switch is a network device that consolidates traffic from multiple access switches, wireless access

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How To Set Up Switch Link Aggregation

Managed switches provide many advantages for a growing network, including support for VLANs, QoS, and Trunking. I touched on

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Port Aggregation Configurations

Port Aggregation Port aggregation allows you to group multiple physical ports into one unit. Port aggregation is useful for

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Configure IPv4 Management Interface on an SG350XG or SG550XG Switch ...

Objective Configuring IPv4 management interface is useful in managing IP addresses for the switch. The IP address

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Configure IP Address Settings on a Switch using the CLI

This article provides instructions on how to configure the IP address settings of your switch through the Command Line Interface

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8 Steps to configure your network switch

Learn how to setup a network switch with ease. Switches allow you to send and receive information efficiently and securely. Get

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