

# Switch MAC Access



## Overview

Get a step-by-step guide on how to configure access restriction and traffic filtering on switch ports using MAC ACL (MAC Access Control List). It blocks or allows users to access specific resources. An ACL contains the hosts that are permitted or denied access to the network device. What are MAC access control lists (ACLs) and how do they work with my NETGEAR Smart Switch or fully managed switch?

- NETGEAR Support Support / Enterprise / Knowledge Base / Troubleshooting / What are MAC access control lists (ACLs) and how do they work with my NETGEAR Smart Switch or fully managed. Access control entries (ACEs) are the rules that determine traffic classifications for access control lists (ACLs). You can define MAC address ACEs based on criteria such as source and destination MAC addresses, MAC address masks, and VLAN IDs. Select Security > ACL > MAC.



## Article Content

May 30, 2026

MAC access control entries

Learn how to configure MAC access control entries (ACEs) on Sophos Switch to manage traffic using MAC addresses, VLAN IDs, and ACL

Jul 02, 2025

MAC Access Control Lists

Prerequisites for MAC Access Control Lists • You must be familiar with MAC addressing and non-IP protocols to configure MAC ACLs.

Apr 26, 2026

Block ARP Packets with Use of MAC Access Lists and VLAN Access ...

Enter the VLAN filter `vlan_access_map_name vlan-list vlan_number` command.  
Switch(config)# `vlan filter block_arp vlan-list 2` Sample Configuration This sample configuration

Jun 04, 2026

Konfiguration einer MAC-basierten Zugriffskontrollliste (ACL ...

Dieser Artikel enthält Anweisungen zur Konfiguration einer MAC-basierten ACL und eines ACE auf dem Managed Switch.

Dec 07, 2025

How do I set up a MAC Access Control List (ACL) with two rules using ...

What are Access Control Lists (ACLs) and how do they work with my managed switch?  
How do I set up a MAC Access Control List (ACL) with two rules using the web interface on my managed switch?

Feb 11, 2026

How to Block or Allow Several MAC Addresses on All My Cisco Switches

Hello. I have about ten Cisco switches in my company. I'd like a way to easily apply and centrally manage rules to only allow specific MAC addresses to access any of the ports for any of the

Feb 23, 2026

How do a create an ALLOW mac address list for switches?

The mac access-group interface configuration command is only valid when applied to a physical Layer 2 interface. You cannot use the command on EtherChannel port channels.

Jun 04, 2026

Network switch

Network switch Avaya ERS 2550T-PWR, a 50-port Ethernet switch A network switch (also called switching hub, bridging hub, Ethernet switch, and—by the IEEE —

Jun 16, 2026

Change Users & Groups settings on Mac

On your Mac, set up individual user accounts or groups, let occasional users log in as guests, and change network account server settings.

Nov 27, 2025

mac filtering in cisco switch and mac access list

Solved: I have a 3560 switch and many access points plus cisco 3900 router but I don't have any firewall. I want to apply mac filtering in my network. I tried MAC-ACL but it can't be apply to

Jul 30, 2025

Understanding Cisco MAC Access-Lists: Confi

Discover how MAC Access-Lists in Cisco devices offer network control by matching MAC addresses, their configuration, and limitations with INE.

Dec 22, 2025

Switch Mac Address: What's It and How Does It Work?

Isn't an IP address sufficient? What exactly is a switch MAC address for? How does switch learn mac address? Simply put, a MAC (Media Access

Apr 29, 2026

Security Command Reference, Cisco IOS XE Release 3SE (Catalyst

To allow non-IP traffic to be forwarded if the conditions are matched, use the permit MAC access-list configuration command on the switch stack or on a standalone switch.

Oct 01, 2025

Configure MAC-Based Access Control List (ACL) and Access Control

You should use access lists to provide a basic level of security for accessing your network. If you do not configure access lists on your network devices, all packets passing through the switch or router could

Oct 16, 2025

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will open to start the export process. The process may take but once it finishes a file will be downloadable from your browser. You may continue to browse the DL while the export process is in

Apr 24, 2026

Configure MAC-Based Access Control List (ACL) and Access Control

If you do not configure access lists on your network devices, all packets passing through the switch or router could be allowed onto all parts of your network. This article provides instructions

Dec 26, 2025

Configure MAC-Based Access Control List (ACL) and

This article provides instructions on how to configure MAC-based ACL and ACE on your Managed Switch.

Apr 04, 2026

How to Configure MAC Access Control Lists (MAC ACLs) on Cisco

In this Cisco Tech Talk, we walk through how to configure MAC Access Control Lists (MAC ACLs) on Cisco Business Switches (CBS). MAC ACLs allow you to filter network traffic based on source and ...

Jul 07, 2025

What are MAC access control lists (ACLs) and how do

What are MAC access control lists (ACLs) and how do they work with my NETGEAR Smart Switch or fully managed switch? MAC ACLs are Layer 2

Feb 28, 2026

2025 Network Switch MAC Address: Easily Find, Add, or

A MAC address (Media Access Control address) is essentially a digital fingerprint uniquely assigned to network-enabled devices like computers,

Oct 29, 2025

How to Configure MAC ACL: Restrict Access and Filter

Get a step-by-step guide on how to configure access restriction and traffic filtering on switch ports using MAC ACL (MAC Access Control List). Learn how to improve

Aug 10, 2025

MAC Address Guide: How to Identify Devices on Your

MAC Address: A Guide to Network Identification Whether you're using WiFi or Ethernet, every device on your network needs a unique digital "name tag"

Nov 27, 2025

MAC address

A MAC address (medium access control address or media access control address) is a unique identifier assigned to a network interface controller (NIC) for use as a network address in communications

Oct 16, 2025

Block ARP Packets with Use of MAC Access Lists and VLAN Access ...

The document demonstrates how to configure a MAC access control list (ACL) in order to block communication among devices within a VLAN. You can block a single host or a range of hosts,

Oct 26, 2025

Use Switch Control on your device to control another

With Use Other Devices for Switch Control, you can control your other Apple devices remotely on the same Wi-Fi network without adjusting any switch

Jul 15, 2025

How does a switch learn MAC Addresses

This lesson explains how a switch learns MAC address and why it floods frames when it doesn't know the destination MAC address.

Dec 18, 2025

How do I set up a MAC Access Control List (ACL) with two rules using ...

How do I set up a MAC Access Control List (ACL) with two rules using CLI commands on my managed switch? This article applies to the following managed switches and their respective

## Contact Us

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