

# Core Switch Port Restriction Settings



## Overview

There is another very useful way to filter MAC addresses. Instead of typing in a MAC address manually, you can use the “sticky” command. With this command, switch will learn the first MAC address connected to the interface and save it for port security. There is another very useful way to filter MAC addresses. Instead of typing in a MAC address manually, you can use the “sticky” command. With this command, switch will learn the first MAC address connected to the interface and save it for port security. First you have to remove the existing command (if you have configured manual MAC filtering):

```
Tes. Below is an example of Port Security where only one MAC address is allowed on interface g0/1. TestSwitch(config)#int g0/1 TestSwitch(config-if)#switchport mode access TestSwitch(config-if)#switchport port-security TestSwitch(config-if)#switchport port-security maximum 1
```

Now, interface g0/1 is allowed to learn only one MAC address. If this interface. Besides setting a maximum limit on the number of MAC addresses, you can also use port security to filter MAC addresses. In the following example I configured port security so it only allows MAC address f1d3.2c9f.abdc.ccbato connect to the specific port of the switch.

```
TestSwitch(config)#int g0/1 TestSwitch(config-if)#switchport mode access TestSwitc.
```

You can see the switch ports which have entered into error-disabled state (because of security violation) with the following command: `TestSwitch#show int status err-disabled`

Port Name	Status	Reason	Err-disabled Vlans
Gi0/1	err-disabled	psecure-violation	

You can also verify this with `show “interface g0/1 command”`

```
TestSwitch#sh int g0/1 GigabitEthern.
```

You can also set an automatic recovery on a switch-port with the following commands:

```
TestSwitch(config)#errdisable recovery cause psecure-violation TestSwitch(config)#interface g0/1 TestSwitch(config-if)#switchport port-security aging time 15
```

After 15 minutes the interface g0/1 will automatically recover from err-disable state. Make sure in these 1.

## Article Content

Mastering Switch Port Configuration: Avoiding Common Pitfalls in ...

Optimize enterprise switch deployments by mastering port configuration. Learn to prevent speed mismatches, VLAN errors, PoE issues, and LACP failures for seamless network performance.

Restricting Traffic with Isolated Switch Ports

When ports on a switch have been isolated, the MS will not send from one isolated port to another. This can be useful in a multi-tenant environment, for example,

Port Security

When a port disconnects from the switch, the system immediately removes the dynamic secure MAC addresses, even if the port-security aging inactivity is configured to retain those addresses.

SETTING PORT SECURITY ON A CISCO CATALYST

Port security is a layer two traffic control feature on Cisco Catalyst switches. . It enables an administrator configure individual switch ports to allow

Configure Cisco Port Security on Cisco switch (COMPLETE GUIDE)

Learn more Port Security - You can use the port security feature to restrict input to an interface by limiting and identifying MAC addresses of the stations allowed to access the port.

SME Network Solution Typical Configuration Examples

"Gateway (AR720) + Core Switch + Access Switch +AP + AR180" Networking:  
Huawei eKit Cloud Management "Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire

Cisco Core Switch L3 config and one port use high bandwidth

Hi all, I have an issue with my company network. in core switch one port use 70 to 80% from internet. other ports share the 20% I try to shutdown this port and i noticed that the issue is not

Bandwidth Restriction per port level in cisco c9200 switch.

i have already configured for bandwidth restriction in downlink interfaces of cisco c9200 switches. it was restricted the download limit around 10 Mbps but upload limit was not restricting.

How To Configure Switch Port Numbers for Optimal Performance

How To Configure Switch Port Numbers for Optimal Performance Configuring switch port numbers effectively is a foundational skill for network administrators aiming to enhance network performance

Cisco CLI Switch Command Cheat Sheet for 2025

Here's the Cisco CLI Switch Command cheat sheet you need for configuring and managing Cisco switches The Cisco Command-Line Interface

Security Configuration Guide, Cisco IOS XE 17.16.x

This example shows how to enable sticky port security on a port, to manually configure MAC addresses for data VLAN and voice VLAN, and to set

How do I enable port security on Cisco switch?

I have a Cisco switch model 3500 series 48 port. I need to enable port security on this switch. Could you tell me the configuration commands to apply this policy?

Configuring Access and Trunk Interfaces

Configuring Access and Trunk Interfaces Ethernet interfaces can be configured either as access ports or trunk ports. Trunks carry the traffic of

Cisco Nexus 9000 Series NX-OS Interfaces Configuration Guide,

This restores ports to their original configuration and deletes previous breakout configurations. Dynamic breakout ports (concept) A dynamic breakout port (also called per-port level

How to lock the specified MAC address on the port?

Check port security. Ping from switch to PC1, PC2, PC3. Capture the packet from PC3. PC3 could receive ARP Request packet from switch, and reply

Port Security on Switches | Shutdown | Protect | Restrict \* CCNA

Switch Port Security is the security mechanism used in switches. With this mechanism, a specific port of a switch can be protected with undesirable access. Here, we will learn the theory of this lesson. We

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core

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 most important purpose of the layer 3 switch is to speed up the data

## Cisco switch limiting SSH access to specific SVI interface

Dear All, we've Cisco core switch and wanted to limit ssh access to specific SVI interface, at the moment we've a standard ACL configured for limiting source addresses who can access core

## Cannot disable mac restriction on port for HP Procurve 2626

I have a HP Procurve 2626 as the main trunk for several subnets in production. I am a UNIX systems administrator and not a networking guy, but I've worked with cisco switches and some

## Introduction to Core Switch Configuration

In this switching, transmission is determined not only by MAC address (layer 2 bridge) or source/destination address (layer 3 routing), but also by TCP/UDP (layer 4) using port Numbers that

## Configuring Switchport Blocking

Guidelines and Limitations for Switchport Blocking Switchport blocking has these configuration guidelines and limitations: • Switchport blocking applies only to egress ports while traffic storm

## Should I restrict Core Networking firewall rules in Windows server ...

Except there are a bunch of other Core Networking rules enabled in the firewall. Do these open rules pose a threat and should I apply the same IP restrictions to these rules too? Can a hacker exploit

## Introduction to Switch Port Security

Introduction to Switch Port Security Port security monitors and blocks Layer 2 traffic on a switch on an individual port basis. Enabling this feature keeps

## How to configure port-security on Cisco Switch

Prerequisites To understand port security, you should be familiar with how switches learn MAC addresses. Configuration Let's take a look at the following situation: In the topology above, someone

## Understanding the Core Switch: Key Differences and Uses

Explore the core switch's role as the backbone of your network. Discover key differences, uses, and insights into layer 3 core switch technology.

## Contact Us

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