

Restrictions were imposed on the access switch ports



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
TestSwitch(config-if)#switchport port-security
TestSwitch(config-if)#switchport port-security mac-address f1d3.2c9f.abdc.ccbato
```

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
```

GigabitEthernet0/1 is up, line protocol is down (err-disabled)

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...

Article Content

May 28, 2026

Nintendo Has Placed Restrictions on the Nintendo

As reported by The Verge, two third-party accessory makers claimed that the Switch 2's USB-C port includes encryption methods and an extra chip

May 21, 2026

Port Security

If a port is configured as a secure port and the maximum number of secure MAC addresses is reached, when the MAC address of a station attempting to access the port is different from any of the identified

Jul 16, 2025

Switchport Port Security Explained With Examples

This tutorial explained the commands and configuration steps you need to secure switch ports. Learning these commands and configuration steps allows you to secure your network from

Nov 07, 2025

Blockade of the Gaza Strip

The Blockade of the Gaza Strip refers to Israeli and Egyptian restrictions on movement and goods in the Gaza Strip that began in the early 1990s. After

Mar 18, 2026

Access Restriction

Access restriction refers to the limitations imposed on accessing information based on its classification, organizational policies (such as the "need to know, least access" principles), and contractual or legal

Nov 30, 2025

Ports restriction

If you want to prevent let's say people connecting through an unmanaged switch to your access port, the best thing to do is to configure port security. You can also configure the maximum

Dec 04, 2025

CIRT.GY | Disable Unused Network Ports to Reduce Attack Sur

Open but inactive ports can be exploited by attackers or used for unauthorized access. Network administrators should routinely audit switch and firewall configurations to identify ports that

Jul 05, 2025

Security

You can prevent unauthorized users from reconfiguring your Catalyst 3850 switch and viewing configuration information. Typically, you want network administrators to have access to your switch

Jan 19, 2026

How to configure port-security on Cisco Switch

In this lesson, you will learn how to configure port security to restrict the number of MAC addresses per port, specify which MAC addresses are allowed, and control what happens when violations occur.

Aug 07, 2025

Troubleshooting Common Issues with Switchport Mode

Switchport mode access is essential for configuring network devices in environments where end devices (e.g., computers, printers) connect to a switch.

Apr 15, 2026

The Limits of Chip Export Controls in Meeting the China

Following a major diplomatic effort, similar export controls were implemented by U.S. allies, limiting chip product and technology transfers to

Oct 03, 2025

How to configure port-security on Cisco Switch

Port-security can be used to filter MAC-addresses on Cisco switches. In this lesson you will learn how it works and how to configure it.

Sep 05, 2025

What are Access Restrictions?

What types of access restrictions are commonly used in cybersecurity and antivirus? The most common types of access restrictions used in cybersecurity and

Apr 19, 2026

Port Security Cisco Explained

Without restrictions, the switch would accept the connection, allowing unauthorized traffic or even malicious activity. To prevent this, we use Port Security. This

Jul 29, 2025

Switchport Port-Security | NetworkAcademy.IO

Secure your campus LAN access layer with Cisco port security. Learn how to limit MACs, block rogue devices, and recover err-disabled switchports.

Sep 02, 2025

Configure switch ports as access ports

To assign a switch port to a single VLAN, configure it as an access port. Access ports accept only untagged traffic. The interfaces that are enabled with switch

Dec 28, 2025

Factsheet Internet Shutdowns in International Law

The case concerned the internet and movement restrictions imposed in the Jammu and Kashmir region in India during August of 2019, in the name of public order. Following Government orders, mobile

Jun 12, 2026

Configuring Bandwidth Limitations and Enabling Speed

Configuring Bandwidth Limitations and Enabling Speed Burst on Wireless Networks
Last updated Feb 12, 2025 Save as PDF Table of contents No headers Cisco

Dec 31, 2025

Crackhead/pass.txt at master · moimikey/Crackhead ·

How to create a web form cracker in under 15 minutes. - moimikey/Crackhead

Dec 08, 2025

Understanding Network Access Restrictions

Network access restrictions are a crucial aspect of international internet laws and cybersecurity. In today's ever-connected world, where the internet is a vital part of our daily lives, it is

Jun 12, 2026

Miaan/ASL Copy of Iran June 2025 War + Internet

On the same day, Iran's Ministry of Communications issued a statement announcing state-imposed Internet restrictions: "In light of the country's special circumstances and based on the measures

Sep 18, 2025

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

Apr 30, 2026

Port Security Cisco Explained

Port Security is a Layer 2 security feature that validates the source MAC addresses of devices connecting to a switch port.

Jun 08, 2026

Cisco CCNA – Port Security and Configuration

Switch port security limits the number of valid MAC addresses allowed on a port. When a MAC address, or a group of MAC addresses are configured to enable switch port security, the switch will forward

Aug 05, 2025

CIS Control 9: Limitation and Control of Network Ports,

The journey of implementing the Foundational CIS Controls continues with CIS Control 9 Limitation and Control of Network Ports, Protocols, and Services. The

Dec 09, 2025

VLAN restrictions on cisco layer 3 switch

Hello SW Community, I set up inter-vlan routing on a cisco layer 3 switch (SG550x). The switch is connected to a sonicwall firewall. I enabled ip routing on the layer 3 switch so the vlans can

Apr 01, 2026

How Governments Block the Internet and How to Fight

Governments worldwide are increasingly restricting internet access, impacting free speech, education, and economies. In 2020 alone, over 260 million people were

Apr 23, 2026

CIS Control #9: Limitation & Control of Network Ports, Protocols

CIS Control #9 addresses the Limitation and Control of Network Ports, Protocols and Services, and gives specific recommendations for avoiding the risk of unmanaged services and

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://piano-lessons.co.za>

Email: info@piano-lessons.co.za

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

