

Control the access to the switch ports

How to Configure Port Security

To configure port security we need to access the command prompt of switch. Click Switch and click CLI and press Enter Key. Port can be secure from i...

Switchport Port-Security Violation

We need to specify what action; it should take in security violation. Three possible modes are available: Protect: - This mode will only work with s...

Switchport Port Security Example

In our topology PC0 is connected with F0/1 port of switch. Enter following commands to secure F0/1 port. Following table explains above commands in...

Switchport Port Security Testing

In our topology we have one additional PC. Assume that, this is the cracker's PC. To gain unauthorized access in network he unplugged the Ethernet...

Preview

To block unauthorized access to switch ports, switches support a feature called port security. This feature allows you to configure which devices are allowed or blocked on each port. A VLAN is a switched network that is logically segmented by function, project team, or application, without regard to the physical locations of the users. In today's topic we will learn about switch port mode access and how its configuration is done on Cisco switches. This can be a security risk when users connect. In the following we explain the four methods (port-based, single, multi, and MAC-based) and we illustrate the usage scenarios for each one.

A: When considering how best to secure your access switches, ensure you perform the following activities, among many others: changing default

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Access ports are used to connect end devices, such as PCs, printers, and servers, to the switch. These ports are simple to configure and provide a direct connection to the network.

You can configure Access Control to allow only specific users to access the switch and block the others. Access Control can work in three modes: IP-based Mode, MAC-based Mode and

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Secure your campus LAN access layer with Cisco port security. Learn how to limit MACs, block rogue

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devices, and recover err-disabled switchports.

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Using VTP, you can make configuration changes centrally on one or more switches and have those changes automatically communicated to all the other switches in the network.

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.

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In an environment where all users are known to you, you can use a switch with the default configuration. However, using switches with default

Securing physical switch ports involves implementing six essential security measures: physically and logically limiting access to the port, protecting against rogue devices, restricting traffic

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Switch ports can be set either in trunk or access mode to have more control on switch port behaviour. Using switchport access mode forces the port to be an access port and when any device

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