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## S Commands

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This chapter describes the Cisco NX-OS interface commands that begin with S.

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# shutdown

To shut down the local traffic on an interface, use the **shutdown** command. To return the interface to its default operational state, use the **no** form of this command.

**shutdown**

**no shutdown**

**Syntax Description** This command has no arguments or keywords.

**Command Default** Not shut down

**Command Modes** Interface configuration mode  
Subinterface configuration mode  
Virtual Ethernet interface configuration mode

Command History	Release	Modification
	4.0(0)N1(1a)	This command was introduced.
	5.0(3)N1(1)	Support for Layer 3 interfaces and subinterfaces was added.
	5.1(3)N1(1)	Support for virtual Ethernet interface was added.

**Usage Guidelines** You can use this command on the following interfaces:

- Layer 2 interface (Ethernet interface, EtherChannel interface, subinterface)
- Layer 3 interface



**Note** Use the **no switchport** command to configure an interface as a Layer 3 interface.

- Layer 3 subinterface
- Management interface
- Virtual Ethernet interface

**Examples** This example shows how to shut down, or disable, a Layer 2 interface:

```
switch(config)# interface ethernet 1/10
switch(config-if)# shutdown
switch(config-if)#
```

This example shows how to shut down a Layer 3 Ethernet subinterface:

```
switch(config)# interface ethernet 1/5.1
switch(config-subif)# shutdown
```

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```
switch(config-subif)#
```

This example shows how to shut down a virtual Ethernet interface:

```
switch(config)# interface vethernet 10  
switch(config-if)# shutdown  
switch(config-if)#
```

**Related Commands**

Command	Description
<b>no switchport</b>	Converts an interface to a Layer 3 routed interface.
<b>show interface ethernet</b>	Displays the Ethernet interface configuration information.
<b>show interface port-channel</b>	Displays information on traffic about the specified EtherChannel interface.
<b>show interface vethernet</b>	Displays the virtual Ethernet interface configuration information.

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## speed (interface)

To configure the transmit and receive speed for an interface, use the **speed** command. To reset to the default speed, use the **no** form of this command.

**speed** { **10** | **100** | **1000** | **10000** | **auto** }

**no speed**

Syntax Description		
<b>10</b>	Sets the interface speed to 10 Mbps.	This speed is not supported on Cisco Nexus 5500 Series switches.
<b>100</b>	Sets the interface speed to 100 Mbps.	This speed is not supported on a management interface, Cisco Nexus 5500 Series switches, or the CU-96 CEM card.
<b>1000</b>	Sets the interface speed to 1 Gbps.	For the Cisco Nexus 5596T switch, the base board ports support 1 Gbps.
<b>10000</b>	Sets the interface speed to 10 Gbps. This is the default speed.	This speed is not supported on a management interface. For the Cisco Nexus 5596T switch, the base board ports support 10 Gbps.
<b>auto</b>	Specifies that the speed of the interface is auto negotiated.	For the Cisco Nexus 5596T switch, you can choose auto negotiation on the 10GBase-T ports.

<b>Command Default</b>	The default speed is 10000 (10-Gigabit).
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<b>Command Modes</b>	Interface configuration mode
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Command History	Release	Modification
	4.0(1a)N1(1)	This command was introduced.
	5.1(3)N1(1)	Interface speed of 100 Mbps and the <b>auto</b> keyword was introduced.

**Usage Guidelines**

The first 8 ports of a Cisco Nexus 5010 switch and the first 16 ports of a Cisco Nexus 5020 switch are switchable 1-Gigabit and 10-Gigabit ports. The default interface speed is 10-Gigabit. To configure these ports for 1-Gigabit Ethernet, insert a 1-Gigabit Ethernet SFP transceiver into the applicable port and then set its speed with the speed command.

The first 32 ports of a Cisco Nexus 5596T switch are switchable 1-Gigabit and 10-Gigabit ports. You can also configure them to auto-negotiate to either 1-Gigabit or 10-Gigabit. The last ports 33-48 are SFP+ ports and do not support auto negotiation.

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**Examples**

This example shows how to set the speed for a 1-Gigabit Ethernet port:

```
switch# configure terminal
switch(config)# interface ethernet 2/1
switch(config-if)# speed 1000
```

This example shows how to set the an interface port to automatically negotiate the speed:

```
switch# configure terminal
switch(config)# interface ethernet 1/5
switch(config-if)# speed auto
switch(config-if)#
```

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**Related Commands**

Command	Description
<b>show interface</b>	Displays the interface configuration information.

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## system default switchport shutdown

To configure all Layer 2 switchports to be Layer 3 routed ports, use the **system default switchport shutdown** command. To reset to the default of all Layer 2 switchports, use the **no** form of this command.

**system default switchport shutdown**

**no system default switchport shutdown**

### Syntax Description

This command has no arguments or keywords.

### Command Default

The default is all ports configured as Layer 2 switchports.

### Command Modes

Global configuration mode

### Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

### Examples

This example shows how to set all ports as Layer 3 routed ports:

```
switch# configure terminal
switch(config)# system default switchport shutdown
switch(config)#
```

This example shows how to reset all ports back to Layer 2 switchports:

```
switch# configure terminal
switch(config)# system default switchport shutdown
switch(config)#
```

### Related Commands

Command	Description
<b>show interface</b>	Displays the interface configuration information.