



## S Commands

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This chapter describes the Cisco NX-OS commands that begin with S that are used to manage a Cisco Nexus 2000 Series Fabric Extender from a Cisco Nexus 6000 series switch.

# serial

To assign a serial number to a Fabric Extender, use the **serial** command. To remove the serial number, use the **no** form of this command.

**serial** *serial\_string*

**no serial**

<b>Syntax Description</b>	<i>serial_string</i>	Serial number string for the Fabric Extender. The string is alphanumeric, case sensitive, and has a maximum length of 20 characters.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Fabric extender configuration mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

**Usage Guidelines** The serial number string you define with the **serial** command must match the serial number of the Fabric Extender. If you configure a serial number and then you use the **fex associate** command to associate the corresponding chassis ID to the switch, the association will succeed only if the Fabric Extender reports a matching serial number string.



**Caution**

Configuring a serial number other than that of the given Fabric Extender will force the Fabric Extender offline.

**Examples** This example shows how to specify a serial number for a Fabric Extender:

```
switch# configure terminal
switch(config)# fex 101
switch(config-fex)# serial Rack16_FEX101
```

This example shows how to remove a serial number from a Fabric Extender:

```
switch# configure terminal
switch(config)# fex 101
switch(config-fex)# no serial
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>fex</b>	Creates a Fabric Extender and enters fabric extender configuration mode.
	<b>fex associate</b>	Associates a Fabric Extender to an Ethernet or EtherChannel interface.
	<b>show fex</b>	Displays all configured Fabric Extender chassis connected to the switch.

# slot

To enable preprovisioning on a slot in a chassis, use the **slot** command. To disable the slot for preprovisioning, use the **no** form of this command.

**slot** *slot-number*

**no slot** *slot-number*

<b>Syntax Description</b>	<i>slot-number</i>	Slot number in the chassis. The range is from 2 to 199.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Global configuration mode Configuration synchronization mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

<b>Usage Guidelines</b>	Use this command to enable preprovisioning of features or interfaces of a module on a slot in a chassis. Preprovisioning allows you to configure features or interfaces (Ethernet, Fibre Channel) on modules before the modules are inserted in the switch chassis.
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<b>Examples</b>	This example shows how to enable a chassis slot for preprovisioning of a module:
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```
switch(config)# slot 2
switch(config-slot)#
```

This example shows how to disable a chassis slot for preprovisioning of a module:

```
switch(config)# no slot 2
switch(config)#
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>port</b>	Configures ports as Ethernet, native Fibre Channel or Fibre Channel over Ethernet (FCoE) ports.
	<b>provision</b>	Preprovisions a module in a slot.
	<b>show running-config exclude-provision</b>	Displays the running configuration excluding the preprovisioned features.

# speed

To configure the port speed, use the **speed** command. To reset to the default speed, use the **no** form of this command.

```
speed { 10 | 100 | 1000 | 10000 | 100000 | 40000 | auto [100] }
```

```
no speed
```

Syntax Description		
<b>10</b>	Sets the speed to 10 Mbps.	
<b>100</b>	Sets the speed to 100 Mbps.	
<b>1000</b>	Sets the speed to 1 Gbps.	
<b>10000</b>	Sets the speed to 10 Gbps.	
<b>100000</b>	Sets the speed to 100 Gbps.	
<b>40000</b>	Sets the speed to 40 Gbps.	
<b>auto</b>	Auto negotiates the speed of the port.	
<b>auto [100]</b>	Auto negotiates the speed to 100 Mbps.	

**Command Default** The default speed is 10 Gbps.

**Command Modes** Interface configuration mode

Command History	Release	Modification
	7.3(2)N(1)	The <b>auto 100</b> keyword was added.
	6.0(2)N1(1)	This command was introduced.

**Usage Guidelines** From Cisco NX-OS Release 7.3(2)N1(1), the **speed 100** command for ports with 1G Cu SFP GLC-T is supported only by Cisco Nexus 2348UPQ 10GE Fabric Extender, and the **speed auto 100** command is supported only by Cisco Nexus 2248TP-E Fabric Extender.

**Examples** This example shows how to set the speed to 100 Mbps:

```
switch(config)# interface ethernet 2/2
switch(config-if)# speed 100
```

This example shows how to set an interface port to automatically negotiate the speed to 100 Mbps:

```
switch(config)# interface ethernet 2/2
switch(config-if)# speed auto 100
```

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

# switchport mode fex-fabric

To set the interface type to be an uplink port for a Fabric Extender, use the **switchport mode fex-fabric** command.

**switchport mode fex-fabric**

**no switchport mode fex-fabric**

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

**Command Default** None

**Command Modes** Interface configuration mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

**Examples** This example shows how to set an Ethernet interface to be an uplink port for a Fabric Extender:

```
switch# configure terminal
switch(config)# interface ethernet 1/40
switch(config-if)# switchport mode fex-fabric
```

This example shows how to set an EtherChannel interface to be an uplink port for a Fabric Extender:

```
switch# configure terminal
switch(config)# interface port-channel 4
switch(config-if)# switchport mode fex-fabric
```

Related Commands	Command	Description
	<b>fex associate</b>	Associates a Fabric Extender to an Ethernet or EtherChannel interface.
	<b>show fex</b>	Displays all configured Fabric Extender chassis connected to the switch.

