



## F Commands

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This chapter describes the Cisco NX-OS security commands that begin with F.

### feature (user role feature group)

To configure a feature in a user role feature group, use the **feature** command. To delete a feature in a user role feature group, use the **no feature** form of this command.

**feature** *feature-name*

**no feature** *feature-name*

<b>Syntax Description</b>	<i>feature-name</i>	NX-OS feature name as listed in the <b>show role feature</b> command output.
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<b>Defaults</b>	None
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<b>Command Modes</b>	User role feature group configuration
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<b>SupportedUserRoles</b>	network-admin vdc-admin
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	4.0(1)	This command was introduced.

<b>Usage Guidelines</b>	Use the show role feature command to list the valid feature names to use in this command. This command does not require a license.
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**Examples**

This example shows add features to a user role feature group:

```
switch# config t
switch(config)# role feature-group name SecGroup
switch(config-role-featuregrp)# feature aaa
switch(config-role-featuregrp)# feature radius
switch(config-role-featuregrp)# feature tacacs
```

This example shows how to remove a feature from user role feature group:

```
switch# config t
switch(config)# role feature-group name MyGroup
switch(config-role-featuregrp)# no feature callhome
```

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**Related Commands**

<b>Command</b>	<b>Description</b>
<b>show role feature-group</b>	Displays the user role feature groups.

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## feature cts

To enable the Cisco TrustSec feature, use the **feature cts** command. To revert to the default, use the **no** form of this command.

**feature cts**

**no feature cts**

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

**Defaults** Disabled

**Command Modes** Global configuration

**SupportedUserRoles** network-admin  
vdc-admin

Command History	Release	Modification
	4.0(1)	This command was introduced.

**Usage Guidelines** To use this command, you must enable the Cisco TrustSec feature using the **feature dot1x** command.



**Note**

The Cisco TrustSec feature does not have a license grace period. You must install the Advanced Services license to configure this feature.

This command requires the Advanced Services license.

**Examples** This example shows how to enable the Cisco TrustSec feature:

```
switch# config t
switch(config)# feature cts
```

This example shows how to disable the Cisco TrustSec feature:

```
switch# config t
switch(config)# no feature cts
```

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Related Commands	Command	Description
	<b>feature dot1x</b>	Enables the 802.1X feature.
	<b>show cts</b>	Displays the Cisco TrustSec status information.

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## feature dhcp

To enable the DHCP snooping feature on the device, use the **feature dhcp** command. To disable the DHCP snooping feature, use the **no** form of this command.

**feature dhcp**

**no feature dhcp**

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

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**Defaults** None

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**Command Modes** Global configuration

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**SupportedUserRoles** network-admin  
vdc-admin

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Command History	Release	Modification
	4.0(1)	This command was introduced.

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**Usage Guidelines**

The DHCP snooping feature is disabled by default.

If you have not enabled the DHCP snooping feature, commands related to DHCP snooping are unavailable.

Dynamic ARP inspection and IP Source Guard depend upon the DHCP snooping feature.

If you disable the DHCP snooping feature, the device discards all DHCP snooping configuration. If you want to turn off DHCP snooping and preserve your DHCP snooping configuration, disable DHCP snooping globally with the **no ip dhcp snooping** command.

Access-control list (ACL) statistics are not supported if the DHCP snooping feature is enabled.

This command does not require a license.

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**Examples** This example shows how to enable DHCP snooping:

```
switch# configure terminal
switch(config)# feature dhcp
switch(config)#
```

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<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>clear ip dhcp snooping binding</b>	Clears the DHCP snooping binding database.
	<b>ip dhcp snooping</b>	Globally enables DHCP snooping on the device.
	<b>service dhcp</b>	Enables or disables the DHCP relay agent.
	<b>show ip dhcp snooping</b>	Displays general information about DHCP snooping.
	<b>show running-config dhcp</b>	Displays DHCP snooping configuration, including IP Source Guard configuration.

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## feature dot1x

To enable the 802.1X feature, use the **feature dot1x** command. To revert to the default, use the **no** form of this command.

**feature dot1x**

**no feature dot1x**

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

**Defaults** Disabled

**Command Modes** Global configuration

**SupportedUserRoles** network-admin  
vdc-admin

Command History	Release	Modification
	4.0(1)	This command was introduced.

**Usage Guidelines** You must use the **feature dot1x** command before you configure 802.1X.



**Note**

If you disable the 802.1X feature, all 802.1X configuration is lost. If you want to disable 802.1X authentication, use the **no dot1x system-auth-control** command.

This command does not require a license.

**Examples** This example shows how to enable 802.1X:

```
switch# config t
switch(config)# feature dot1x
```

This example shows how to disable 802.1X:

```
switch# config t
switch(config)# no feature dot1x
```

Related Commands	Command	Description
	<b>show dot1x</b>	Displays 802.1X status information.

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## feature eou

To enable Extensible Authentication Protocol over User Datagram Protocol (EAPoUDP), use the **feature eou** command. To disable EAPoUDP, use the **no** form of this command.

**feature eou**

**no feature eou**

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

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**Defaults** Disabled

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**Command Modes** Global configuration

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**SupportedUserRoles** network-admin  
vdc-admin

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Command History	Release	Modification
	4.0(1)	This command was introduced.

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**Usage Guidelines** You must use the **feature eou** command before you configure EAPoUDP.



**Note**

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When you disable EAPoUDP, the NX-OS software removes the EAPoUDP configuration.

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This command does not require a license.

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**Examples** This example shows how to enable EAPoUDP:

```
switch# config t
switch(config)# feature eou
```

This example shows how to disable EAPoUDP:

```
switch# config t
switch(config)# no feature eou
```

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Related Commands	Command	Description
	<b>feature eou</b>	Enables EAPoUDP.
	<b>show eou</b>	Displays EAPoUDP information.

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## feature port-security

To enable the port security feature globally, use the **feature port-security** command. To disable the port security feature globally, use the **no** form of this command.

**feature port-security**

**no feature port-security**

---

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

---

**Defaults** None

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**Command Modes** Global configuration

---

**SupportedUserRoles** network-admin  
vdc-admin

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Command History	Release	Modification
	4.0(1)	This command was introduced.

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**Usage Guidelines**

Port security is disabled globally by default.

Port security is local to each virtual device context (VDC). If necessary, switch to the correct VDC before using this command.

This command does not require a license.

**Enabling Port Security**

If you enable port security globally, all other commands related to port security become available.

If you are reenabling port security, no port security configuration is restored from the last time that port security was enabled.

### Disabling Port Security

If you disable port security globally, all port security configuration is removed, including any interface configuration for port security and all secured MAC addresses, regardless of the method by which the device learned the addresses.

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**Examples** This example shows how to enable port security globally:

```
switch# config t
switch(config)# feature port-security
```

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```
switch(config)#
```

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>clear port-security</b>	Clears dynamically learned, secure MAC addresses.
<b>debug port-security</b>	Provides debugging information for port security.
<b>show port-security</b>	Shows information about port security.
<b>switchport port-security</b>	Enables port security on a Layer 2 interface.

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## feature tacacs+

To enable TACACS+, use the **feature tacacs+** command. To disable TACACS+, use the **no** form of this command.

**feature tacacs+**

**no feature tacacs+**

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

**Defaults** Disabled

**Command Modes** Global configuration

**SupportedUserRoles** network-admin  
vdc-admin

Command History	Release	Modification
	4.0(1)	This command was introduced.

**Usage Guidelines** You must use the **feature tacacs+** command before you configure TACACS+.



**Note**

When you disable TACACS+, the NX-OS software removes the TACACS+ configuration.

This command does not require a license.

**Examples** This example shows how to enable TACACS+:

```
switch# config t
switch(config)# feature tacacs+
```

This example shows how to disable TACACS+:

```
switch# config t
switch(config)# no feature tacacs+
```

Related Commands	Command	Description
	<b>show tacacs+</b>	Displays TACACS+ information.

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