D Commands

This chapter describes the Cisco NX-OS system management commands that begin with the letter D.

description (EEM)

To add a description to an Embedded Event Manager (EEM) applet, use the **description** command. To remove the description, use the **no** form of this command.

> **description** *description*

> **no description**

Syntax Description

description	Comment or a description that is added to an EEM applet.

Defaults

None

Command Modes

Embedded event manager

SupportedUserRoles

network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to add a description to an EEM applet:

```
switch# configure terminal
switch(config)# event manager applet counter-applet
switch(config-applet)# action 1.2 counter name count1 value $variable op dec
Switch(config-applet)# description "counter policy for acme"
switch(config-applet)#
```

Related Commands

Command	Description
show event manager policy	Displays information about the configured EEM policy.

description (NetFlow record)

To add a description to a NetFlow record, use the **description** command. To remove the description, use the **no** form of this command.

description *line*

no description [*line*]

| Syntax Description | *line* | Description string. The string can have a maximum of 63 alphanumeric characters. |

Defaults   None

Command Modes   NetFlow record configuration (config-flow-record)

SupportedUserRoles   network-admin
vdc-admin

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

Usage Guidelines   This command does not require a license.

Examples   This example shows how to add a description to a NetFlow record:

```
switch(config)# flow record NetFlow-Record-1
switch(config-flow-record)# description Custom-Flow-Record-1
switch(config-flow-record)#
```

This example shows how to remove the description:

```
switch(config-flow-record)# no description
```

Related Commands	Command	Description
	show flow record	Displays information about NetFlow records.

description (NetFlow monitor)

To add a description to a NetFlow monitor, use the **description** command. To remove the description, use the **no** form of this command.

description *line*

no description [**line**]

Syntax Description

line	Description string. The string can have a maximum of 63 alphanumeric characters.

Defaults

None

Command Modes

NetFlow monitor configuration (config-flow-monitor)

SupportedUserRoles

network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to add a description to a NetFlow monitor:

```
switch(config)# flow monitor NetFlow-Monitor-1
switch(config-flow-monitor)# description Custom-Monitor-1
switch(config-flow-monitor)#
```

This example shows how to remove the description:

```
switch(config-flow-monitor)# no description
```

Related Commands

Command	Description
show flow sw-monitor	Displays information about NetFlow monitors.

description (NetFlow exporter)

To add a description to a NetFlow exporter, use the **description** command. To remove the description, use the **no** form of this command.

description *line*

no description [**line**]

Syntax Description	*line* Description string. The string can have a maximum of 63 alphanumeric characters.

Defaults   None

Command Modes   NetFlow exporter configuration (config-flow-exporter)

SupportedUserRoles   network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to add a description to a NetFlow exporter:

```
switch(config)# flow export Netflow-Exporter-1
switch(config-flow-exporter)# description Custom-Exporter-1
switch(config-flow-exporter)
```

This example shows how to remove the description:

```
switch(config-flow-exporter)# no description
switch(config-flow-exporter)
```

Related Commands

Command	Description
show flow exporter	Displays information about NetFlow exporters.

description (NetFlow sampler)

To add a description to a NetFlow sampler, use the **description** command. To remove the description, use the **no** form of this command.

description *line*

no description [**line**]

Syntax Description

line	Description string. The string can have a maximum of 63 alphanumeric characters.

Defaults   None

Command Modes   NetFlow sampler configuration (config-flow-sampler)

SupportedUserRoles   network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to add a description to a NetFlow sampler:

```
switch(config)# sampler Netflow-Sampler-1
switch(config-flow-sampler)# description Custom-Sampler-1
switch(config-flow-sampler)#
```

This example shows how to remove the description:

```
switch(config-flow-sampler)# no description
```

Related Commands

Command	Description
show sampler	Displays information about NetFlow samplers.

description (SPAN)

To add a description to an Ethernet Switched Port Analyzer (SPAN) session for analyzing traffic between ports, use the **description** command. To remove the description, use the **no** form of this command.

description *description*

no description

Syntax Description	*description*	Comment or a description of up to 32 characters that is added to a SPAN session.

Defaults   None

Command Modes   Monitor configuration (config-monitor)

SupportedUserRoles   network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to add a description to a SPAN session:

```
switch# configure terminal
switch(config)# monitor session 3
switch(config-monitor)# description span_session_3
```

Related Commands

Command	Description
monitor session	Places you into the Monitor configuration mode for configuring a SPAN session.
show monitor session	Displays the specified SPAN or ERSPAN session configuration.

destination

To specify the destination for a NetFlow exporter, use the **destination** command. To remove a destination, use the **no** form of this command.

> **destination** {*ipaddr* | *ipv6addr*} [**use-vrf** *vrf_name*]

> **no destination** [{*ipaddr* | *ipv6addr*} [**use-vrf** *vrf_name*]

Syntax Description		
	ipaddr	Destination IP address for a collector.
	ipv6addr	Destination IPv6 address for a collector.
	use-vrf *vrf_name*	(Optional) Specifies the Virtual Routing and Forwarding (VRF) label.

Defaults None

Command Modes NetFlow exporter configuration (config-flow-exporter)

SupportedUserRoles network-admin
vdc-admin

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

Usage Guidelines This command does not require a license.

Examples This example shows how to specify the destination for a NetFlow exporter:

```
switch(config)# Flow exporter NetFlow-Exporter-1
switch(config-flow-exporter)# destination 192.168.11.2
switch(config-flow-exporter)#
```

This example shows how to remove the destination:

```
switch(config-flow-exporter)# no destination
```

Related Commands	Command	Description
	show flow exporter	Displays information about NetFlow exporters.

destination interface (SPAN)

To add a destination interface to an Ethernet Switched Port Analyzer (SPAN) session for analyzing traffic between ports, use the **destination interface** command. To remove the destination, use the **no** form of this command.

> **destination interface** {**ethernet** *number* | **port-channel** *number*}

> **no destination interface** {**ethernet** *number* | **port-channel** *number*}

Syntax Description		
	ethernet *number*	Specifies the destination Ethernet interface slot number for the specified SPAN session. Source packets are copied from this destination. The range is from 1 through 10.
	port-channel *number*	Specifies the destination port channel interface for the specified SPAN session. Source packets are copied from this destination. The range is from 1 through 4096.

Defaults   None

Command Modes   Monitor configuration (config-monitor)

SupportedUserRoles   network-admin
vdc-admin

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

Usage Guidelines   This command does not require a license.

Examples   This example shows how to add a destination to a SPAN session:

```
switch# configure terminal
switch(config)# monitor session 3
switch(config-monitor)# destination interface ethernet 2/5, ethernet 3/7
```

Related Commands	Command	Description
	monitor session	Places you into the Monitor configuration mode for configuring a SPAN session.

Command	Description
show monitor session	Displays the specified SPAN or ERSPAN session configuration.
description	Adds a comment or a description of up to 32 characters to a SPAN session.

destination-profile

To create and name a destination profile for Call home, use the **destination-profile** command. To remove a destination profile, use the **no** form of this command.

> **destination-profile** *profile_name*

> **no destination-profile** *profile_name*

Syntax Description	*profile_name*	User-defined destination profile name.

Defaults   None

Command Modes   Call home configuration (config-callhome)

SupportedUserRoles   network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   Cisco NX-OS includes the following predefined destination profiles:

- CiscoTAC-1—Supports the Cisco-TAC alert group in XML message format. This profile is preconfigured with the callhome@cisco.com e-mail contact, maximum message size, and message severity level 0. You cannot change any of the default information for this profile.

- full-text-destination—Supports the full text message format.

- short-text-destination—Supports the short text message format.

This command does not require a license.

Examples   This example shows how to create the Call home destination profile named Noc101:

```
switch(config)# callhome
switch(config-callhome)# destination-profile Noc101
```

This example shows how to remove the Call home Noc101 destination profile:

```
switch(config)# callhome
switch(config-callhome)# no destination-profile Noc101
```

Related Commands

Command	Description
show callhome destination-profile name	Displays the specified Call home destination profile.
show callhome	Displays the Call home configuration.

destination-profile alert-group

To specify which alerts a Call home destination will receive, use the **destination-profile alert-group** command. To remove an alert group, use the **no** form of this command.

> **destination-profile** *profile_name* **alert-group** {**All** | **Configuration** | **Diagnostic** | **EEM** | **Cisco-TAC** | **Environmental** | **Inventory** | **License** | **Linecard-Hardware** | **Supervisor-Hardware** | **Syslog-group-port** | **System** | **Test**}

> **no destination-profile** *profile_name* **alert-group** {**All** | **Configuration** | **Diagnostic** | **EEM** | **Cisco-TAC** | **Environmental** | **Inventory** | **License** | **Linecard-Hardware** | **Supervisor-Hardware** | **Syslog-group-port** | **System** | **Test**}

Syntax Description

profile_name	User-defined Call home destination profile name.
alert-group	Adds an alert group to the specified Call home destination profile.
All	Specifies that the Call home destination profile receives all callhome messages.
Configuration	Specifies that the Call home destination profile is notified of events related to configuration.
Diagnostic	Specifies that the Call home destination profile is notified of events related to the diagnostic.
EEM	Specifies that the Call home destination profile is notified of EEM events.
Cisco-TAC	Specifies that the Call home destination profile is notified of events that are meant for Cisco TAC only.
Environmental	Specifies that the Call home destination profile is notified of events related to power, fan, and temperature.
Inventory	Specifies that the Call home destination profile is notified of inventory status events.
License	Specifies that the Call home destination profile is notified of events related to licensing.
Linecard-Hardware	Specifies that the Call home destination profile is notified of line card-related events.
Supervisor-Hardware	Specifies that the Call home destination profile is notified of supervisor-related events.
Syslog-group-port	Specifies that the Call home destination profile is notified of events related to syslog messages filed by port manager.
System	Specifies that the Call home destination profile is notified of software-related events.
Test	Specifies that the Call home destination profile is notified of user-generated test events.

Defaults

None

Command Modes

Call home configuration (config-callhome)

SupportedUserRoles   network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to specify that the destination profile receives all Call home messages:

```
switch# config t
Enter configuration commands, one per line.  End with CNTL/Z.
switch(config)# callhome
switch(config-callhome)# destination-profile Noc101 alert-group All
switch(config-callhome)# show callhome destination-profile profile Noc101

Noc101 destination profile information
maximum message size:2500000
message format:XML
message-level:0
email addresses configured:

alert groups configured:
all
```

Related Commands

Command	Description
show callhome	Displays the Call home configuration.

destination-profile email-addr

To specify an e-mail address for a Call home destination, use the **destination-profile email-addr** command. To remove an e-mail address, use the **no** form of this command.

> **destination-profile** *profile-name* **email-addr** *email-address*

> **no destination-profile** *profile-name* **email-addr** *email-address*

Syntax Description		
	profile-name	Name you have given the Call home destination profile where the e-mail address is to be added.
	email-addr *email-address*	Specifies the e-mail address to be added to the Call home destination profile.

Defaults   None

Command Modes   Call home configuration (config-callhome)

SupportedUserRoles   network-admin
vdc-admin

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

Usage Guidelines   This command does not require a license.

Examples   This example shows how to specify an e-mail address for a Call home destination:

```
switch# config t
Enter configuration commands, one per line.  End with CNTL/Z.
switch(config)# callhome
switch(config-callhome)# destination-profile Noc101 email-addr jdoe@callhome.com
switch(config-callhome)# show callhome destination-profile profile Noc101

Noc101 destination profile information
maximum message size:2500000
message format:XML
message-level:0
email addresses configured:
jdoe@callhome.com

alert groups configured:
all
```

Related Commands	Command	Description
	show callhome	Displays the Call home configuration.

destination-profile format

To specify a message format for sending messages to a Call home destination, use the **destination-profile format** command.

destination-profile *profile_name* **format** {**full-txt** | **short-txt** | **XML**}

Syntax Description

profile_name	Name you have given the Call home destination profile where the message format is to be specified.
format	Establishes a format for sending Call home messages to the specified destination (XML is the default).
full-txt	Specifies that messages are sent to the named Call home destination in plain text.
short-txt	Specifies that messages are sent to the named Call home destination in short text.
XML	Specifies that messages are sent to the named Call home destination in XML. XML is the default Call home message format.

Defaults   XML

Command Modes   Call home configuration (config-callhome)

SupportedUserRoles   network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to configure a message format for sending messages to a Call home destination:

```
switch(config-callhome)# destination-profile acme_destination format full-txt
```

Related Commands

Command	Description
show callhome destination-profile	Displays a Call home destination profiles.
show callhome	Displays the Call home configuration.

destination-profile http

To specify an HTTP or HTTPS URL for a Call home destination, use the **destination-profile http** command. To remove a URL, use the **no** form of this command.

destination-profile *profile-name* **http** *url*

no destination-profile *profile-name* **http** *url*

Syntax Description	*profile-name*	Name you have given the Call home destination profile.
	http *url*	Specifies the HTTP or HTTPS URL to be added to the Call home destination profile.

Defaults   None

Command Modes   Call home configuration (config-callhome)

SupportedUserRoles   network-admin
vdc-admin

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

Usage Guidelines   This command does not require a license.

Examples   This example shows how to configure a URL for a Call home destination:

```
switch(config-callhome)# destination-profile acme_destination http
http://my_url,com/callhome
```

Related Commands	Command	Description
	show callhome destination-profile	Displays a Call home destination profiles.
	show callhome	Displays the Call home configuration.

destination-profile message-level

To specify a severity level for alerts that are sent to the Call home destination, use the **destination-profile message-level** command.

destination-profile *profile_name* **message-level** *number*

Syntax Description		
	profile_name	Name you have given the Call home destination profile where the message format is to be specified.
	message-level	Specifies the severity level at which messages that are sent to the Callhome destination.
	number	Message severity level designations that begin at the lowest urgency level 0 and progress to level 9, the most urgent. If you specify level 5, for example, all messages designated level 5 or higher are sent to the destination.

Defaults   None

Command Modes   Call home configuration (config-callhome)

SupportedUserRoles   network-admin
vdc-admin

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

Usage Guidelines   This command does not require a license.

Examples   This example shows how to specify that messages with a severity level 5 or higher are sent to a Call home destination:

```
switch(config-callhome)# destination-profile acme_destination message-level 5
```

Related Commands	Command	Description
	show callhome destination-profile	Displays a Call home destination profiles.
	show callhome	Displays the Call home configuration.

destination-profile message-size

To specify a maximum allowable size for messages that are sent to a Call home destination, use the **destination-profile message-size** command.

destination-profile *profile_name* **message-size** *number*

Syntax Description

profile_name	Name you have given the Call home destination profile where the maximum message size is to be specified.
message-size	Specifies the maximum allowable size for messages sent to the specified Call home destination. The default is 2500000.
number	Maximum allowable size of a message sent to the specified Call home destination. The range is from 0 to 5000000.

Defaults 2500000

Command Modes Call home configuration (config-callhome)

SupportedUserRoles network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to configure a maximum message size of 100000 for messages sent to a Call home destination:

```
switch(config-callhome)# destination-profile acme_destination message-size 100000
```

Related Commands

Command	Description
show callhome destination-profile	Displays a Call home destination profiles.
show callhome	Displays the Call home configuration.

destination-profile transport-method

To specify a method of transporting Call home messages to a destination, use the **destination-profile transport-method** command. To remove the transport method, use the **no** form of this command.

destination-profile *profile-name* **transport-method** [**email** | **http**]

no destination-profile *profile-name* **transport-method** [**email** | **http**]

Syntax Description		
profile-name	Name you have given the Call home destination profile where the transport method is to be specified.
transport-method	Specifies the method (email or HTTP) for sending messages to the Call home destination.
email	(Optional) Specifies if using e-mail to send Call home messages to the Call home destination.
http	(Optional) Specifies if using HTTP to send Call home messages to the Call home destination.

Defaults   None

Command Modes   Call home configuration (config-callhome)

SupportedUserRoles   network-admin
vdc-admin

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

Usage Guidelines   This command does not require a license.

Examples   This example shows how to specify HTTP for transporting Call home messages to a destination:

```
switch(config-callhome)# destination-profile acme_destination transport-method http
switch(config-callhome)#
```

Related Commands	Command	Description
	show callhome destination-profile	Displays a Call home destination profiles.
	show callhome	Displays the Call home configuration.

diagnostic bootup level

To configure the diagnostic bootup level to trigger diagnostics when the device boots, use the **diagnostic bootup level** command.

diagnostic bootup level {**bypass** | **complete**}

Syntax Description

bypass	Specifies to not perform any bootup diagnostics.
complete	Displays all bootup diagnostics. The default is complete.

Defaults

None

Command Modes

Any command mode

SupportedUserRoles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to configure the diagnostic bootup level:

```
switch(config)# diagnostic bootup level bypass
switch#
```

Related Commands

Command	Description
show diagnostic bootup level	Displays the diagnostic bootup level.

diagnostic clear result module

To clear the diagnostic test result for the specified test, use the **diagnostic clear result module** command.

diagnostic clear result module [**slot** | **all**] **test** {*test-id* | **all**}

Syntax Description		
slot		(Optional) Specifies to clear the a diagnostic test for a specific module number. The range is from 1 to 10.
all		(Optional) Displays the test result for all tests on all modules.
test		Displays the diagnostic test selection.
test-id		Test ID. The range is from 1 to 14.

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

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

Usage Guidelines This command does not require a license.

Examples This example shows how to clear a diagnostic test result:

```
switch# diagnostic clear result module 6 test 6
```

Related Commands	Command	Description
	show diagnostic result	Displays a diagnostic test result for a specified test.

diagnostic eem action conservative

To configure the device to take corrective action when it detects failures on the PortLoopback test, the RewriteEngineLoopback test, the SnakeLoopback test, or the StandbyFabricLoopback test, use the **diagnostic eem action conservative** command.

diagnostic eem action conservative

Syntax Description   This command has no arguments or keywords.

Defaults   None

Command Modes   Global command mode

SupportedUserRoles   network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
6.2(8)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to direct the switch to take corrective action:

```
switch# diagnostic eem action conservative
```

Related Commands

Command	Description
show event manager events action-log event-type [gold | gold_sup_failure | g old_fabric_failure | gold_module_failure | gold_port_failure]	Displays the recovery action history including the number of switchovers/reloads/poweroffs, timestamp, failure reason, module-id, port list, test name, testing type, and severity. This data is maintained across ungraceful reloads.

diagnostic monitor interval module

To configure a diagnostic monitoring test interval on a module, use the **diagnostic monitor interval module** command. To remove the diagnostic monitoring test interval, use the **no** form of this command.

> **diagnostic monitor interval module** *module* **test** {**all** | *name* | *test-id*} **hour** *hour* **min** *min* **second** *sec*

> **no diagnostic monitor interval module** *module* **test** {**all** | *name* | *test-id*}

Syntax Description		
	module	Module number.
	test	Specifies a diagnostic test.
	all	Specifies all test IDs.
	name	Test name.
	test-id	Test ID number.
	hour	Specifies the hour of the interval that the test begins.
	hour	Hour of the interval that you specify to start the test.
	min	Specifies the minute of the interval that the test begins.
	min	Minute of the interval that you specify to start the test.
	second	Specifies the second of the interval that the test begins.
	sec	Second of the interval that you specify to start the test.

Defaults   None

Command Modes   Global configuration mode (config)

SupportedUserRoles   network-admin
vdc-admin

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

Usage Guidelines   This command does not require a license.

Examples   This example shows how to configure a diagnostic monitoring test interval on a module:

```
switch(config)# diagnostic monitor interval module 1 test 5 hour 10 min 30 sec 0
switch(config)#
```

This example shows how to remove a diagnostic monitoring test interval from a module:

```
switch(config)# no diagnostic monitor interval module 1 test 5 hour 10 min 30 sec 0
switch(config)#
```

Related Commands

Command	Description
show running-config diagnostic	Displays the running-configuration diagnostics.
diagnostic monitor module	Configures a diagnostic monitor test.

diagnostic monitor module

To configure a diagnostic monitor test, use the **diagnostic monitor module** command. To remove a diagnostic monitor test, use the **no** form of this command.

> **diagnostic monitor module** *module* **test** {**all** | *name* | *test-id*}

> **no diagnostic monitor module** *module* **test** {**all** | *name* | *test-id*}

Syntax Description		
module	Module number.	
test	Specifies a diagnostic test selection.	
all	Specifies all test IDs.	
name	Test name. The maximum number of characters is 32.	
test-id	Test ID number.	

Defaults None

Command Modes Global configuration mode (config)

SupportedUserRoles network-admin
vdc-admin

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

Usage Guidelines This command does not require a license.

Examples This example shows how to configure a diagnostic monitor test:

```
switch(config)# diagnostic monitor module 1 test all

switch(config)#
```

This example shows how to remove a diagnostic monitor test:

```
switch(config)# no diagnostic monitor module 1 test all
switch(config)#
```

Related Commands	Command	Description
	show startup-config diagnostic	Displays the startup-configuration diagnostics.
	show running-config diagnostic	Displays the running-configuration diagnostics.

diagnostic ondemand action-on-failure

To configure the action to take if the on-demand test fails, use the **diagnostic ondemand action-on-failure** command.

diagnostic ondemand action-on-failure {**continue failure-count** *num-fails* | **stop**}

Syntax Description

continue failure-count *num-fails*	Displays the on-demand test until the test failure limit is reached. The range is from 1 to 999. The default is 1.
stop	Stops on-demand tests immediately if a test fails.

Defaults

None

Command Modes

Any command mode

SupportedUserRoles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to configure the action if the on-demand test fails:

```
switch# diagnostic ondemand action-on-failure continue failure-count 992
switch#
```

Related Commands

Command	Description
show diagnostic ondemand	Displays information about on-demand tests.

diagnostic ondemand iteration

To configure the number of times that the on-demand test runs, use the **diagnostic ondemand iteration** command.

diagnostic ondemand iteration *number*

Syntax Description	*number*	(Optional) Number of times that the on-demand test runs. The range is from 1 to 999. The default is 1.

Defaults   None

Command Modes   Any command mode

SupportedUserRoles   network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to configure the number of times that the on-demand test runs:

```
switch# diagnostic ondemand iteration 992
```

Related Commands

Command	Description
show diagnostic ondemand	Displays information about on-demand tests.

diagnostic start

To start the on-demand diagnostic test for a module, use the **diagnostic start** command.

diagnostic start module *slot* **test** [*test-id* | *test-name* | **all** | **non-disruptive]** [**port** *port-number* | **all**]

Syntax Description

slot	(Optional) Diagnostic start slot number. The range is from 1 to 10.
test	Displays the diagnostic test.
test-id	(Optional) Test ID. The range is from 1 to 14.
test-name	(Optional) Test name. The name can be any case-sensitive, alphanumeric string up to 32 characters.
all	(Optional) Displays all ports.
non-disruptive	(Optional) Displays the nondisruptive tests.
port	(Optional) Displays the port interface.
port-number	(Optional) Interface port number.

Defaults

None

Command Modes

Any command mode

SupportedUserRoles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to start the on-demand diagnostic test for a module:

```
switch# diagnostic start module 6 test all
```

Related Commands

Command	Description
diagnostic stop	Stops on-demand diagnostics.

diagnostic stop

To stop one or more diagnostic tests for a module, use the **diagnostic stop** command.

diagnostic stop module *slot* **test** [*test-id* | *name* | **all**]

Syntax Description

slot	Slot number. The slot range is from 1 to 10.
test	Displays the diagnostic test.
test-id	(Optional) Test ID. The range is from 1 to 14.
name	(Optional) Test name. The name can be any case-sensitive, alphanumeric string up to 32 characters.
all	(Optional) Displays the diagnostic test for all tests on all modules.

Defaults

None

Command Modes

Any command mode

SupportedUserRoles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to stop one or more diagnostic tests on a module:

```
switch# diagnostic stop module 6 test all
switch#
```

Related Commands

Command	Description
diagnostic start	Starts one or more diagnostic tests.

diagnostic test simulation

To simulate a diagnostic test for a module, use the **diagnostic test simulation** command

> **diagnostic test simulation module** *slot* **test** *test-id* [**port** {*number* | **all**}] {**fail** | **random-fail** | **success**}

Syntax Description

slot	Diagnostic test simulation module number. The range is from 1 to the number of modules in the chassis.
test *test-id*	Specifies the test ID. The range is from 1 to 15.
port	(Optional) Specifies the interface port to display.
number	Interface port number.
all	Specifies all interface ports.
fail	Displays failed test results.
random-fail	Displays random fail test results.
success	Displays pass test results.

Defaults   None

Command Modes   Any command mode

SupportedUserRoles   network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to simulate a test result:

```
switch# diagnostic test simulation module 2 test 2 fail
switch#
```

Related Commands	Command	Description
	diagnostic test simulation clear	Clears a diagnostic test simulation.

diagnostic test simulation clear

To clear a diagnostic test simulation for a module, use the **diagnostic test simulation clear** command

diagnostic test simulation module *number* **test** *test-id* **clear**

Syntax Description	

module *number*	Specifies the diagnostic test simulation module number. The range is from 1 to the number of modules in the chassis.
test *test-id*	Specifies the test ID. The range is from 1 to 15.

Defaults   None

Command Modes   Any command mode

SupportedUserRoles   network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to clear the diagnostic test simulation:

```
switch# diagnostic test simulation module 2 test 2 clear
switch#
```

Related Commands

Command	Description
diagnostic test simulation	Simulates a diagnostic test.

distribute

To enable Cisco Fabric Service (CFS) to distribute configurations, use the **distribute** command. To disable distribution, use the **no** form of this command.

distribute [**radius** | **tacacs+**]

no distribute

Syntax Description	radius	(Optional) Specifies CFS to distribute RADIUS configurations.
	tacacs+	(Optional) Specifies CFS to distribute TACACS+ configurations.

Defaults   None

Command Modes   Call home configuration mode
Global configuration mode

SupportedUserRoles   network-admin
vdc-admin

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines   This command does not require a license.

To enable CFS to distribute role configurations, see the **role distribute** command.

Examples   This example shows how to enable CFS to distribute Call home configurations:

```
switch(config)# callhome
switch(config-callhome)# distribute
```

This example shows how to enable CFS to distribute RADIUS configurations:

```
switch(config)# distribute radius
```

This example shows how to enable CFS to distribute TACACS+ configurations:

```
switch(config)# distribute tacacs+
```

	Command	Description
Related Commands	**show cfs status**	Displays the CFS distribution status.
	cfs	Specifies a CFS distribution mode.
	cfs region	Creates a CFS distribution region that limits the distribution scope of an application.

dscp

To specify the differentiated services code point (DSCP) for a NetFlow exporter, use the **dscp** command. To remove the DSCP parameter, use the **no** form of this command.

dscp *dscp*

no dscp [*dscp*]

Syntax Description

dscp	Differentiated services code point value. The range is from 0 to 63.

Defaults   None

Command Modes   NetFlow exporter configuration (config-flow-exporter)

SupportedUserRoles   network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to configure the DSCP parameter:

```
switch(config)# Flow exporter Custom-NetFlow-Exporter-1
switch(config-flow-exporter)# dscp 32
switch(config-flow-exporter)#
```

This example shows how to remove the DSCP parameter:

```
switch(config-flow-exporter)# no dscp
switch(config-flow-exporter)
```

Related Commands

Command	Description
show flow exporter	Displays information about NetFlow exporters.