



## D Commands

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

### description (EEM)

Use the **description** command to add a description to an Embedded Event Manager (EEM) applet.

To remove the description, use the **no** form of this command.

**description** *description*

**no description**

<b>Syntax Description</b>	<i>description</i> Comment or a description that is added to an EEM applet.				
<b>Defaults</b>	None				
<b>Command Modes</b>	Embedded Event Manager				
<b>SupportedUserRoles</b>	Super user VDC administrator VDC user				
<b>Command History</b>	<table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>4.0(1)</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Release	Modification	4.0(1)	This command was introduced.
Release	Modification				
4.0(1)	This command was introduced.				
<b>Usage Guidelines</b>	This command does not require a license.				

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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)#
```

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

**Defaults** None

**Command Modes** Any mode

**Supported User Roles** 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 diagnostic bootup level:

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

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

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## 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

<i>slot</i>	(Optional) Diagnostic clear module number. The range is from 1 to 10.
<b>all</b>	Displays the test result for all tests on all modules.
<b>test</b>	Displays the diagnostic test selection.
<i>test-id</i>	(Optional) TestID. The range is from 1 to 14.

### Defaults

None

### Command Modes

Any mode

### Supported User Roles

network-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 clear a diagnostic test result:

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

### Related Commands

Command	Description
<b>show diagnostic result</b>	Displays a diagnostic test result for a specified test.

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## diagnostic ondemand action-on-failure

To configure the action to take if the ondemand 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 <i>num-fails</i>	Description
		Displays the ondemand test until the test failure limit is reached. The range is from 1 to 999. The default is 1.
	stop	Stops ondemand tests immediately if a test fails.

**Defaults** None

**Command Modes** Any mode

**SupportedUserRoles** network-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 action if the ondemand test fails:

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

Related Commands	Command	Description
	show diagnostic ondemand	Displays information about ondemand tests.

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## diagnostic ondemand iteration

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

**diagnostic ondemand iteration** *number*

<b>Syntax Description</b>	<i>number</i>	(Optional) Number of times that the ondemand test runs. The range is from 1 to 999. The default is 1.
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<b>Defaults</b>	None
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<b>Command Modes</b>	Any mode
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<b>SupportedUserRoles</b>	network-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>	This command does not require a license.
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<b>Examples</b>	This example shows how to configure the number of times that the ondemand test runs:
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```
switch# diagnostic ondemand iteration 992
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show diagnostic ondemand</b>	Displays information about ondemand tests.

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## diagnostic start

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

**Defaults** None

**Command Modes** Any mode

**SupportedUserRoles** network-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 start the ondemand diagnostic test for a module:

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

Related Commands	Command	Description
	<b>diagnostic stop</b>	Stops ondemand diagnostics.

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## 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		
<i>slot</i>	(Optional)	Displays the slot number. The slot range is from 1 to 10.
<b>test</b>		Displays the diagnostic test.
<i>test-id</i>	(Optional)	TestID. The testid range is from 1 to 14.
<i>test-name</i>	(Optional)	Test name. The name can be any case-sensitive alpha numeric string up to 32 characters.
<b>all</b>	(Optional)	Displays the diagnostic test for all tests on all modules.

**Defaults** None

**Command Modes** Any mode

**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 stop one or more diagnostic tests on a module:

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

Related Commands	Command	Description
	<b>diagnostic start</b>	Starts one or more diagnostic test.

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## diagnostic test simulation

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

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

Syntax Description		
<i>slot</i>		Diagnostic test simulation slot number. The range is from 1 to 10.
<b>test</b>		Displays the diagnostic test.
<i>test-id</i>		TestID. The test range is from 1 to 14.
<b>fail</b>		Displays the failed test results.
<b>random-fail</b>		Displays the fail test results randomly.
<b>success</b>		Displays the pass test results.
<b>port number</b>		Displays the interface port number.
<b>all</b>		Displays the test result for all tests on all modules.

**Defaults** None

**Command Modes** Any mode

**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 simulate a test result:

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

Related Commands	Command	Description
	<b>diagnostic test simulation</b>	Simulates a test result.

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