



A Commands

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

abort

To delete the configuration session without applying the commands, use the **abort** command.

abort

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes Session configuration

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 delete a session:

```
switch(config-s)# abort  
switch#
```

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Related Commands

Command

Description

**show configuration
session**Displays the information about the configuration sessions.

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action cli

Use the **action cli** command to configure a VSH command string to be executed when an Embedded Event Manager (EEM) applet is triggered.

To disable the VSH command string, use the **no** form of this command.

```
action label cli [local] vsh_cmd
```

```
no action label cli
```

Syntax Description

<i>label</i>	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
local	(Optional) Specifies the action is to be executed in the same module on which the event occurs.
<i>vsh_cmd</i>	Specifies the VSH command string to be executed when the enclosing applet is triggered.

Defaults

None

Command Modes

Embedded Event Manager

Supported User Roles

Super user
VDC administrator
VDC user

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 VSH command string to be executed when an EEM applet is triggered:

```
switch# configure terminal
switch(config)# event manager applet cli-applet
switch(config-applet)# action 1.1 cli callhome send eem subject "port down" body "acme
port is down"
switch(config-applet)#
```

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Related Commands

Command	Description
<code>event manager applet</code>	

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action counter

Use the **action counter** command to specify setting or modifying a named counter when an Embedded Event Manager (EEM) applet is triggered. This command is used in applet configuration mode.

To restore the default value to the counter, use the **no** form of this command.

```
action label counter name name value value op {dec | inc | nop | set}
```

```
no action label counter name name
```

Syntax Description

label	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
name <i>name</i>	The name of the counter. This identifier can be any string value.
value <i>value</i>	The value of the counter. This identifier must be an integer value in the range from -2147483648 to 2147483647 inclusive, or a \$-prefixed name (for parameter substitution).
op { dec inc nop set }	The operation to perform upon the counter. <ul style="list-style-type: none"> dec—decrement the counter by the specified value. inc—increment the counter by the specified value. nop—do nothing, just print the specified value. set—set the counter to the specified value.

Defaults

None

Command Modes

Embedded Event Manager

Supported User Roles

Super user
VDC administrator
VDC user

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

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Examples

This example shows setting counter *count1* to the value in *\$variable* when the EEM *counter-applet* is triggered:

```
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)#
```

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action event-default

Use the **action event-default** command to specify that the default action for the event is to be performed when an Embedded Event Manager (EEM) applet is triggered.

To disable the default action, use the **no** form of this command.

action *label* **event-default**

no action *label* **event-default**

Syntax Description	<i>label</i>	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
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Defaults	None
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Command Modes	Embedded Event Manager
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SupportedUserRoles	Super user VDC administrator VDC user
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Command History	Release	Modification
	4.0(1)	This command was introduced.

Usage Guidelines	This command does not require a license.
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Examples	This example shows how to specify that the default action for the event is to be performed when an EEM applet is triggered:
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```
switch# configure terminal
switch(config)# event manager applet default-applet
switch(config-applet)# action 1.15 event-default
switch(config-applet)#
```

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action exceptionlog

Use the **action exceptionlog** command to log an exception if the specific conditions are encountered when an Embedded Event Manager (EEM) applet is triggered.

```
action label exceptionlog module module syserr error devid id errtype type errcode code
phylayer layer ports list harderror error [desc string]
```

Syntax Description

label <i>label</i>	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
module <i>module</i>	Record an exception for the specified module. Enter a <i>module</i> word.
syserr <i>error</i>	Record an exception for the specified system error. Enter an <i>error</i> word.
devid <i>id</i>	Record an exception for the specified device ID. Enter an <i>id</i> word.
errtype <i>type</i>	Record an exception for the specified error type. Enter a <i>type</i> word.
errcode <i>code</i>	Record an exception for the specified error code. Enter a <i>code</i> word.
phylayer <i>layer</i>	Record an exception for the specified physical layer. Enter a <i>layer</i> word.
ports <i>list</i>	Record an exception for the specified ports. Enter a <i>list</i> word.
harderror <i>error</i>	Record an exception for the specified hard error. Enter an <i>error</i> word.
desc <i>string</i>	(Optional) A description of the exception logging condition.

Defaults

None

Command Modes

Embedded Event Manager

Supported User Roles

Super user
VDC administrator
VDC user

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

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Examples

This example shows how to log an EEM applet exception:

```
switch# configure terminal
switch(config)# event manager applet exception-applet
switch(config-applet)# action 1.2 exceptionlog module 1 syserr 0x41150010 devid 96 errtype
2 errcode 354 phylayer 0 ports 1-24 harderror false desc "r2d2 general error"
switch(config-applet)#
```

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action forceshut

Use the **action forceshut** command to configure a forced shutdown of a module, a Crossbar ASIC, or the entire switch when an Embedded Event Manager (EEM) applet is triggered.

action label forceshut [{**module** *module* | **xbar** *xbar-number*}] **reset-reason** "*string*"

Syntax Description		
label		Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
module <i>module</i>		(Optional) Force a shutdown of the specified module. Select a module between 1 and 10.
xbar <i>xbar-number</i>		(Optional) Force a shutdown of the specified Crossbar ASIC. Select an ASIC between 1 and 5.
reset-reason <i>string</i>		Provide string enclosed in double quotation marks to explain the reason for a forced shutdown.

Defaults None

Command Modes Embedded Event Manager

SupportedUserRoles Super user
VDC administrator
VDC user

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 forced shutdown of module 4 when an EEM applet is triggered:

```
switch# configure terminal
switch(config)# event manager applet forceshut-applet
switch(config-applet)# action 1.3 forceshut module 4 reset-reason "module 4 failed"
switch(config-applet)#
```

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action overbudgetshut

Use the **action overbudgetshut** command to configure the shutdown of a module or the entire switch due to over budget power condition when an Embedded Event Manager (EEM) applet is triggered.

action *label* **overbudgetshut** [**module** *module*]

Syntax Description		
<i>label</i>		Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
module <i>module</i>		(Optional) Force a shutdown of the specified module. Select a module between 1 and 10.

Defaults None

Command Modes Embedded Event Manager

SupportedUserRoles Super user
VDC administrator
VDC user

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 power over budget shutdown of module 4 when an EEM applet is triggered:

```
switch# configure terminal
switch(config)# event manager applet overbudget-applet
switch(config-applet)# action 1.4 overbudgetshut module 4
switch(config-applet)#
```

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action policy-default

Use the **action policy-default** command to enable the default action(s) of the policy being overridden.

action *label* **policy-default**

no **action** *label* **policy-default**

Syntax Description

<i>label</i>	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
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Defaults

None

Command Modes

Embedded Event Manager

SupportedUserRoles

Super user
VDC administrator
VDC user

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 enable the default action of a policy being overridden when an EEM applet is triggered:

```
switch# configure terminal
switch(config)# event manager applet default-applet
switch(config-applet)# action 1.65 policy-default
switch(config-applet)#
```

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action reload

Use the **action reload** command to specify the action of reloading the switch software when an Embedded Event Manager (EEM) applet is triggered.

To remove the action of reloading the switch software, use the **no** form of this command.

action *label* reload

no action *label* reload

Syntax Description	<i>label</i>	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
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Defaults	None
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Command Modes	Embedded Event Manager
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SupportedUserRoles	Super user VDC administrator VDC user
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Command History	Release	Modification
	4.0(1)	This command was introduced.

Usage Guidelines	This command does not require a license.
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Examples	This example shows how to specify the action of reloading the switch software when an EEM applet is triggered:
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```
switch# configure terminal
switch(config)# event manager applet reload-applet
switch(config-applet)# action 1.5 reload
switch(config-applet)#
```

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action snmp-trap

Use the **action snmp-trap** command to specify the generation of a Simple Network Management Protocol (SNMP) trap when an Embedded Event Manager (EEM) applet is triggered.

To disable the SNMP trap, use the **no** form of this command.

```
action label snmp-trap [intdata1 integer] [intdata2 integer] [strdata string]
```

```
no action label snmp-trap [intdata1 integer] [intdata2 integer] [strdata string]
```

Syntax Description

<i>label</i>	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
intdata1 <i>integer</i>	(Optional) Specifies an integer to be sent in the SNMP trap message to the SNMP agent.
intdata2 <i>integer</i>	(Optional) Specifies a second integer to be sent in the SNMP trap message to the SNMP agent.
strdata <i>string</i>	(Optional) Specifies a string to be sent in the SNMP trap message to the SNMP agent. If the string contains embedded blanks, enclose it in double quotation marks.

Defaults

None

Command Modes

Embedded Event Manager

SupportedUserRoles

Super user
VDC administrator
VDC user

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 SNMP trap to generate when an EEM applet is triggered:

```
switch# configure terminal
switch(config)# event manager applet snmp-applet
switch(config-applet)# action 1.7 snmp-trap strdata "EEM detected server failure"
switch(config-applet)#
```

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action syslog

Use the **action syslog** command to configure a syslog message to generate when an Embedded Event Manager (EEM) applet is triggered.

To disable the syslog message, use the **no** form of this command.

```
action label syslog [priority {prio | prio-num | prio-str}] msg msg-text
```

```
no action label syslog [priority {prio | prio-num | prio-str}] msg msg-text
```

Syntax Description

<i>label</i>	Unique identifier that can be any string value. Actions are sorted and run in ascending alphanumeric sequence using the <i>label</i> as the sort key. If the string contains embedded blanks, enclose it in double quotation marks.
priority { <i>prio</i> <i>prio-num</i> <i>prio-str</i> }	<p>(Optional) Specifies the priority level of the syslog messages. If this keyword is not selected, all syslog messages are set at the informational priority level. If this keyword is selected, the priority level argument must be defined. There are three ways of defining the priority level:</p> <ol style="list-style-type: none"> Enter the priority by selecting a number from 0 to 7: <ul style="list-style-type: none"> 0—System is unusable. 1—Immediate action is needed. 2—Critical conditions. 3—Error conditions. 4—Warning conditions. 5—Normal but significant conditions. 6—Informational messages. This is the default. 7—Debugging messages. Enter the priority by selecting one of the priority keywords: <ul style="list-style-type: none"> emergencies—System is unusable. alerts—Immediate action is needed. critical—Critical conditions. errors—Error conditions. warnings—Warning conditions. notifications—Normal but significant conditions. informational—Informational messages. This is the default. debugging—Debugging messages. Enter a priority string.
msg <i>msg-text</i>	<p>Specifies the message to be logged. The <i>msg-text</i> can contain character text, an environment variable, or a combination of the two. If the string contains embedded blanks, enclose it in double quotation marks.</p> <p>Note Messages written to syslog from an EEM applet are not screened for EEM syslog events, which may lead to recursive EEM syslog events. Messages sent from an EEM applet include the applet name for identification.</p>

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Defaults None

Command Modes Embedded Event Manager

SupportedUserRoles Super user
 VDC administrator
 VDC user

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 syslog message to save when an EEM applet is triggered:

```
switch# configure terminal
switch(config)# event manager applet syslog-applet
switch(config-applet)# action 1.7 syslog priority critical msg "Syslog condition: $log"
switch(config-applet)#
```