



E Commands

This chapter describes the Cisco Nexus 1000V commands that begin with the letter E.

echo

To echo an argument back to the terminal screen, use the **echo** command.

```
echo [backslash-interpret] [text]
```

Syntax Description		
-e	(Optional) Interprets any character following a backslash character (\) as a formatting option.	
backslash-interpret	(Optional) Interprets any character following a backslash character (\) as a formatting option.	
<i>text</i>	(Optional) Text string to display. The text string is alphanumeric, case sensitive, can contain spaces, and has a maximum length of 200 characters. The text string can also contain references to CLI variables.	

Defaults	
	Displays a blank line.

Command Modes	
	Any

SupportedUserRoles	
	network-admin

Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

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Usage Guidelines

You can use this command in a command script to display information while the script is running.

Table 1 lists the formatting keywords that you can insert in the text when you include the `-e` or `backslash-interpret` keyword.

Table 1 **Formatting Options for the echo Command**

Formatting Option	Description
<code>\b</code>	Back spaces.
<code>\c</code>	Removes the new line character at the end of the text string.
<code>\f</code>	Inserts a form feed character.
<code>\n</code>	Inserts a new line character.
<code>\r</code>	Returns to the beginning of the text line.
<code>\t</code>	Inserts a horizontal tab character.
<code>\v</code>	Inserts a vertical tab character.
<code>\\</code>	Displays a backslash character.
<code>\nnn</code>	Displays the corresponding ASCII octal character.

Examples

This example shows how to display a blank line at the command prompt:

```
n1000v# echo
```

This example shows how to display a line of text at the command prompt:

```
n1000v# echo Script run at $(TIMESTAMP).
Script run at 2008-08-12-23.29.24.
```

This example shows how to use a formatting option in the text string:

```
n1000v# echo backslash-interpret This is line #1. \nThis is line #2.
This is line #1.
This is line #2.
```

Related Commands

Command	Description
<code>run-script</code>	Runs command scripts.

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end

To exit a configuration mode and return to Privileged EXEC mode, use the **end** command.

end

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes Any

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

Usage Guidelines This command differs from the **exit** command in that the **exit** command returns you to the configuration mode you were previously in. The **end** command always takes you completely out of configuration mode and places you in privileged EXEC mode.

Examples This example shows how to end the session in Global Configuration mode and return to privileged EXEC mode:

```
n1000v(config)# end
n1000v#
```

This example shows how to end the session in Interface Configuration mode and return to privileged EXEC mode:

```
n1000v(config-if)# end
n1000v#
```

Related Commands	Command	Description
	exit	Exits the current command mode and returns you to the previous command mode.

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errdisable detect cause

To start detection of the cause for any interface to be error-disabled, use the **errdisable detect cause** command. To return to the default setting, use the **no** version of this command. To restore the default setting, use the **default** form of this command.

errdisable detect cause {all | arp-inspection | dhcp-rate-limit | link-flap | loopback}

no errdisable detect cause {all | arp-inspection | dhcp-rate-limit | link-flap | loopback}

default errdisable detect cause {all | arp-inspection | dhcp-rate-limit | link-flap | loopback}

Syntax Description

all	Enables error-disabled detection on all causes.
arp-inspection	Enables error-disable detection on and ARP inspection.
dhcp-rate-limit	Enables error-disable detection on a DHCP rate limit.
link-flap	Enables error-disabled disable detection on link-state flapping.
loopback	Enables error-disabled detection on a loopback.

Command Default

Disabled

Command Modes

Global configuration (config)

Supported User Roles

network-admin

Command History

Release	Modification
4.0(4)SV1(2)	This command was introduced.

Usage Guidelines

Use the **errdisable detect cause** command to enable error detection for an application.

The error-disabled state is an operational state that is similar to the link-down state. You must enter the **shutdown** command and then the **no shutdown** command to recover an interface manually from the error-disabled state.

Examples

This example shows how to detect the cause of the error-disabled state for all applications:

```
n1000v(config)# errdisable detect cause all
n1000v(config)#
```

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Related Commands	Command	Description
	shutdown	Brings the port down administratively.
	no shutdown	Brings the port up administratively.
	show interface status err-disabled	Displays the interfaces currently in the error-disabled state.

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errdisable recovery cause

To enable the automatic recovery from the error-disabled (errdisable) state for an application, use the **errdisable recovery cause** command. To return to the default setting, use the **no** version of this command. To restore the **default** setting, use the default form of this command.

```
errdisable recovery cause {all | arp-inspection | bpduguard | dhcp-rate-limit | link-flap |
failed-port-state | psecure-violation | security-violation | storm-control | udld |
vpc-peerlink }
```

```
no errdisable recovery cause {all | arp-inspection | bpduguard | dhcp-rate-limit | link-flap |
psecure-violation | security-violation | storm-control | udld | vpc-peerlink }
```

```
default errdisable recovery cause {all | arp-inspection | bpduguard | dhcp-rate-limit | link-flap
| psecure-violation | security-violation | storm-control | udld | vpc-peerlink }
```

Syntax Description		
all	Enables automatic recovery from all causes for the error-disabled state.	
arp-inspection	Enables automatic recovery from the ARP inspection error state.	
bpduguard	Enables automatic recovery from BPDU Guard error-disabled state.	
dhcp-rate-limit	Enables automatic recovery from the DHCP rate-limit error state.	
link-flap	Enables automatic recovery from link-state flapping.	
failed-port state	Enables timer automatic recovery from the Spanning Tree Protocol (STP) set port state failure.	
psecure-violation	Enables timer automatic recovery from the psecure violation disable state.	
security-violation	Enables automatic recovery from the 802.1X violation disable state.	
storm-control	Enables automatic recovery from the storm control error-disabled state.	
udld	Enables automatic recovery from the UDLD error-disabled state.	
vpc-peerlink	Enables automatic recovery from an inconsistent virtual port channel (vPC) peer-link error-disabled state.	

Command Default Disabled

Command Modes Global configuration (config)

SupportedUserRoles network-admin

Command History	Release	Modification
	4.0(4)SV1(2)	This command was introduced.

Send document comments to nexus1k-docfeedback@cisco.com.**Usage Guidelines**

Use the **errdisable recovery cause** command to enable automatic recovery on the interface from the error-disabled state for an application. This command tries to bring the interface out of the error-disabled state and retry operation once all the causes have timed out. The interface automatically tries to come up again after 300 seconds. To change this interval, use the **errdisable recovery interval** command.

Examples

This example shows how to automatically recover from the error-disabled state for link flapping after you have enabled the recovery timer:

```
n1000v(config)# errdisable recovery cause link-flap
n1000v(config)#
```

Related Commands

Command	Description
errdisable recovery interval	Enables the recovery timer.
show interface status err-disabled	Displays the interface error-disabled state.

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errdisable recovery interval

To enable the recovery timer, use the **errdisable recovery interval** command.

errdisable recovery interval *interval*

Syntax Description	<i>interval</i>	Error detection for access-list installation failures. The range is from 30 to 65535.
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Command Default	300 seconds
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Command Modes	Global configuration (config)
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SupportedUserRoles	network-admin
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Command History	Release	Modification
	4.0(4)SV1(2)	This command was introduced.

Usage Guidelines	Use the errdisable recovery interval command to configure the recovery timer.
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Examples	This example shows how to configure the recovery timer: <pre>n1000v(config)# errdisable recovery interval 32 n1000v(config)#</pre>
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Related Commands	Command	Description
	errdisable recovery cause	Enables the error-disabled recovery for an application.
	show interface status err-disabled	Displays the interface error-disabled state.

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erspan-id

To add an Encapsulated Remote Switch Port Analyzer (ERSPAN) ID to the session configuration and save it in the running configuration, use the **erspan-id** command.

```
erspan-id flow_id
```

Syntax Description	<i>flow_id</i>	Flow ID to be assigned to the ERSPAN session. The range is 1–1023.
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Defaults	None
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Command Modes	CLI ERSPAN source configuration (config-erspan-src)
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Supported User Roles	network-admin
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Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

Usage Guidelines	The session ERSPAN ID is added to the ERSPAN header of the encapsulated frame and can be used at the termination box to differentiate between various ERSPAN streams of traffic.
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Examples	This example shows how to add ERSPAN ID 51 to the session configuration and save it in the running configuration:
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```
n1000v# config t
n1000v(config)# monitor session type erspan-source
n1000v(config-erspan-src)# erspan_id 51
n1000v(config-erspan-src)#
```

Related Commands	Command	Description
	monitor session type erspan-source	Creates a session with the given session number and puts you in the CLI ERSPAN source configuration mode.
	source	For the specified session, configures the source and the direction of traffic to monitor, and saves this information in the running configuration.
	filter vlan	For the specified ERSPAN session, configures the VLANs, VLAN lists, or VLAN ranges to be monitored.
	ip ttl	Specifies the IP time-to-live value for the packets in the ERSPAN traffic.
	ip prec	Specifies the IP precedence value for the packets in the ERSPAN traffic.

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Command	Description
mtu	Specifies a maximum transmission unit (MTU) size for the ERSPAN traffic.
show monitor session	Displays the ERSPAN session configuration as it exists in the running configuration.

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exec-timeout

To configure the length of time, in minutes, that an inactive Telnet or SSH session remains open before it is automatically shut down, use the **exec-timeout** command. To remove an exec timeout setting, use the **no** form of this command.

exec-timeout *time*

no exec-timeout [*time*]

Syntax Description	<i>time</i>	Timeout time, in minutes. The range of valid values is 0 to 525600. If a session remains inactive longer than this specified time period, then it is automatically closed.
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Defaults No timeout is configured.

Command Modes Console configuration (config-console)

Supported User Roles network-admin

Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

Usage Guidelines When you set *time* to 0, exec timeout is disabled.

Examples This example shows how to configure an inactive session timeout for the console port:

```
n1000v# configure terminal
n1000v(config)# line console
n1000v(config-com1)# exec-timeout 20
```

This example shows how to configure an inactive session timeout for the virtual terminal:

```
n1000v# configure terminal
n1000v(config)# line vty
n1000v(config-line)# exec-timeout 20
```

This example shows how to remove an exec timeout on the console port:

```
n1000v(config)# configure terminal
DocTeamVSM(config)# line console
n1000v(config-console)# no exec-timeout
n1000v(config-console)#
```

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Related Commands

Command	Description
show terminal	Displays the terminal configuration, including the timeout value.
show users	Displays the currently active user sessions.

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exit

To exit a configuration mode or exit the CLI, use the **exit** command.

exit

Syntax Description	This command has no arguments or keywords.
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Defaults	None
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Command Modes	Any
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SupportedUserRoles	network-admin network-operator
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Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

Examples	This example shows how to exit global configuration mode. The CLI returns you to the EXEC mode.
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```
n1000v(config)# exit
n1000v#
```

This example shows how to exit interface configuration mode. The CLI returns you to the global configuration mode.

```
n1000v(config-if)# exit
n1000v(config)#
```

This example shows how to exit the CLI.

```
n1000v# exit
```

Related Commands	Command	Description
	end	Returns to the EXEC command mode.

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exporter

To add an existing flow exporter to a specific flow monitor and save it in the running configuration, use the **exporter** command. To remove the flow exporter for a specific flow monitor, use the **no** form of this command.

exporter *name*

no exporter *name*

Syntax Description	<i>name</i>	Name of the flow exporter to be added for the flow monitor.
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Defaults	None
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Command Modes	CLI flow monitor configuration (config-flow-monitor)
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SupportedUserRoles	network-admin
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Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

Examples	This example shows how to add the flow exporter called Exportv9 and save it in the running configuration:
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```
n1000v# config t
n1000v(config)# flow monitor MonitorTest
n1000v(config-flow-monitor)# exporter Exportv9
n1000v(config-flow-monitor)#
```

This example shows how to remove the flow exporter called Exportv9:

```
n1000v# config t
n1000v(config)# flow monitor MonitorTest
n1000v(config-flow-monitor)# no exporter Exportv9
n1000v(config-flow-monitor)#
```

Related Commands	Command	Description
	flow monitor	Creates a flow monitor, by name, saves it in the running configuration, and then puts you in the CLI flow monitor configuration mode.
	description	Adds a descriptive string for the specified flow monitor and saves it in the running configuration.

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Command	Description
exporter	Adds an existing flow exporter for the specified monitor and saves it in the running configuration.
record	Adds an existing flow record for the specified monitor and saves it in the running configuration.
timeout	Specifies, for the specified monitor, an aging timer and its value for aging entries from the cache, and saves them in the running configuration.
cache	Specifies the cache size for the specified monitor and saves it in the running configuration.

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