



C Commands

This chapter describes the system management commands that begin with C.

clear flow exporter

To clear the statistics for a Flexible NetFlow flow exporter, use the **clear flow exporter** command.

```
clear flow exporter { name exporter-name | exporter-name }
```

Syntax Description

name	Specifies the name of a flow exporter.
<i>exporter-name</i>	Name of an existing flow exporter.

Defaults

None

Command Modes

Any command mode

Command History

Release	Modification
7.0(0)N1(1)	This command was introduced.

Usage Guidelines

You must have already enabled traffic monitoring with Flexible NetFlow using an exporter before you can use the **clear flow exporter** command.

This command does not require a license.

Examples

This example clears the statistics for the flow exporter named NFC-DC-PHOENIX:

```
switch# clear flow exporter name NFC-DC-PHOENIX
switch#
```

Related Commands

Command	Description
clear flow exporter	Clears the statistics for exporters.
flow exporter	Creates a flow exporter.
show flow exporter	Displays flow exporter status and statistics.

clear logging logfile

To clears the contents of the log file, use the **clear logging logfile** command.

clear logging logfile

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes EXEC mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples This example shows how to clear the logging logfile:

```
switch# clear logging logfile
switch#
```

Related Commands	Command	Description
	show logging logfile	Displays the messages in the log file.

clear logging nvram

To clear the NVRAM logs, use the **clear logging nvram** command.

clear logging nvram

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes EXEC mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples This example shows how to clear the NVRAM logs:

```
switch# clear logging nvram
```

Related Commands	Command	Description
	show logging nvram	Displays the NVRAM logs.

clear logging onboard

To clear the onboard failure logging (OBFL) entries in the persistent log, use the **clear logging onboard** command.

clear logging onboard [environmental-history] [exception-log] [obfl-log] [stack-trace]

Syntax Description	
environmental-history	(Optional) Clears the OBFL environmental history.
exception-log	(Optional) Clears the OBFL exception log entries.
obfl-log	(Optional) Clears the OBFL (boot-up/uptime/device-version/obfl-history) entries.
stack-trace	(Optional) Clears the OBFL stack trace entries.

Command Default None

Command Modes EXEC mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples

This example shows how to clear the OBFL environmental history entries:

```
switch# clear logging onboard environmental-history
```

This example shows how to clear the OBFL exception-log entries:

```
switch# clear logging onboard exception-log
```

This example shows how to clear the OBFL (boot-up/uptime/device-version/obfl-history) entries:

```
switch# clear logging onboard obfl-log
```

This example shows how to clear the OBFL stack trace entries:

```
switch# clear logging onboard stack-trace
```

Related Commands	Command	Description
	show logging onboard	Displays onboard failure logs.

clear logging session

To clear the current logging session, use the **clear logging session** command.

clear logging session

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes EXEC mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples This example shows how to clear the current logging session:

```
switch# clear logging session
```

Related Commands	Command	Description
	show logging session	Displays the logging session status.

clear ntp session

To clear the Network Time Protocol (NTP) session, use the **clear ntp session** command.

```
clear ntp session
```

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes EXEC mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples This example shows how to discard the NTP Cisco Fabric Services (CFS) distribution session in progress:

```
switch# clear ntp session
```

Related Commands	Command	Description
	show ntp	Displays NTP information.

clear ntp statistics

To clear the Network Time Protocol (NTP) session, use the **clear ntp statistics** command.

```
clear ntp statistics {all-peers | io | local | memory}
```

Syntax Description	all-peers	Clears all peer transaction statistics.
	io	Clears I/O statistics.
	local	Clears local statistics.
	memory	Clears memory statistics.

Command Default None

Command Modes EXEC mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples This example shows how to discard the NTP I/O statistics:

```
switch# clear ntp statistics io
```

Related Commands	Command	Description
	show ntp	Displays NTP information.

collect flow

To configure the flow sampler ID number as a nonkey field and collect their values for a Flexible NetFlow flow record, use the **collect flow** command. To disable the use of the flow direction or the flow sampler ID number as a nonkey field for a Flexible NetFlow flow record, use the **no** form of this command.

collect flow sampler id

no collect flow sampler id

Syntax Description	sampler id	Configures the flow sampler ID as a nonkey field and collects the ID of the sampler that is assigned to the flow monitor.
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Defaults This command is not enabled by default.

Command Modes Flow record configuration

Command History	Release	Modification
	7.0(0)N1(1)	This command was introduced.

Usage Guidelines The Flexible NetFlow commands that start with **collect** are used to configure nonkey fields for the flow monitor record and to enable capturing the values in the fields for the flow created with the record. The values in nonkey fields are added to flows to provide additional information about the traffic in the flows. A change in the value of a nonkey field does not create a new flow. In most cases, the values for nonkey fields are taken from only the first packet in the flow.

Use the **collect flow sampler id** command to collect the ID of the flow sampler that is used to monitor the flow. Use this command when more than one flow sampler is being used with different sampling rates. The **option sampler-table** command exports option records with mappings of the flow sampler ID to the sampling rate so that the collector can calculate the scaled counters for each flow.

This command does not require a license.

Examples

This example shows how to configure an ID of the flow sampler that is assigned to the flow as a nonkey field and collects the ID of the flow sampler:

```
switch(config)# flow record FLOW-RECORD-1
switch(config-flow-record)# collect flow sampler id
```

Related Commands	Command	Description
	collect counter	Configures the counters as a nonkey field and collects the counter values.
	collect flow	Configures flow identifying fields as nonkey fields and collects their values.
	collect ip	Configures an IPv4 field as a nonkey field and collects the value in it.
	collect routing	Configures a routing attribute as a nonkey field and collects the value of the field.
	collect timestamp	Configures the times tamp fields as nonkey fields and collects the values.
	collect transport	Configures a transport layer field as a nonkey field and collects the values.
	flow record	Creates a flow record.
	match ip	Configures one or more of the IP fields as a key field.
	match ipv4	Configures one or more of the IPv4 fields as a key field.
	match ipv6	Configures one or more of the IPv6 fields as a key field.
	match transport	Configures one or more of the transport fields as key fields.
	show flow record	Displays the flow record status and statistics.

commit (session)

To commit the current configuration session, use the **commit** command.

commit

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes Session configuration mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples This example shows how to commit the current session:

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

Related Commands	Command	Description
	configure session	Creates a configuration session.
	show configuration session	Displays the contents of the session.
	verify	Verifies a session.

configure maintenance profile

To enter a maintenance profile configuration session to create a custom maintenance mode profile or a custom normal mode profile, use the **configure maintenance profile** command. To delete the existing maintenance mode profile or normal mode profile, use the **no** form of this command. Starting with Cisco NX-OS Release 7.3(0)N1(1), we recommend not using the **configure profile [maintenance-mode | normal-mode] type admin** command and we strongly recommend using the **configure maintenance profile [maintenance-mode | normal-mode]** command.

configure maintenance profile [maintenance-mode | normal-mode]

no configure maintenance profile [maintenance-mode | normal-mode]

Syntax Description

maintenance-mod e	Enters the maintenance profile configuration session for a maintenance mode profile.
normal-mode	Enters the maintenance profile configuration session for a normal mode profile.

Defaults

None

Command Modes

Privileged EXEC (#)
Global configuration mode (config)

Command History

Release	Modification
7.3(0)N1(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to enter a maintenance profile configuration session for a maintenance mode profile:

```
switch# configure maintenance profile maintenance-mode
Please configure 'system mode maintenance always-use-custom-profile' if you want to use
custom profile always for maintenance mode.
Enter configuration commands, one per line. End with CNTL/Z.
switch(config-mm-profile)#
```

This example shows how to enter a maintenance profile configuration session for a normal mode profile:

```
switch# configure maintenance profile normal-mode
Please configure 'system mode maintenance always-use-custom-profile' if you want to use
custom profile always for maintenance mode.
Enter configuration commands, one per line. End with CNTL/Z.
switch(config-mm-profile)#
```

This example shows how to delete a maintenance profile:

```
switch# no configure maintenance profile maintenance-mode
Maintenance mode profile maintenance-mode successfully deleted
Enter configuration commands, one per line. End with CNTL/Z.
Exit maintenance profile mode.
```

Related Commands

Command	Description
show run mmode	Displays the currently running maintenance profile configuration on a switch.
show system mode	Displays the current system mode and the current state of the maintenance mode timer when the switch is in maintenance mode.
system mode maintenance always-use-custom-profile	Applies the existing custom maintenance-mode profile and prevents creation of auto-generated maintenance-mode profile.
system mode maintenance on-reload reset-reason	Boots the switch into maintenance-mode automatically in the event of a specified system crash.
system mode maintenance shutdown	Shuts down all protocols and interfaces except the management interface (by using the shutdown command and not the default isolate command).
system mode maintenance timeout	Configures the maintenance window timer to keep the switch in maintenance mode for a specified number of minutes.

