# **Show Commands**

This chapter describes the system management show commands.

#### show diagnostic bootup level

To display the current bootup diagnostic level on the switch, use the **show diagnostic bootup level** command.

show diagnostic bootup level

Syntax Description	This command has no arguments or keywords.				
Command Default	None				
Command Modes	EXEC mode				
Command History	Release	Modification			
	5.2(1)N1(1)	This command was introduced.			
Examples	This example shows hove switch# show diagnost	w to display the current bootup diagnostic level:			
	Current bootu	up diagnostic level: complete			
	switch#				
Related Commands	Command	Description			
	diagnostic bootup leve	l Configures the bootup diagnostic level for a faster module bootup time.			

show diagnostic result Displays the results of the diagnostics tests.

### show diagnostic result

To display the results of the diagnostic tests, use the show diagnostic result command.

show diagnostic result module {module-no | all}

Syntax Description	module	Specifies the module for which diagnostic results are displayed.		
	<i>module-no</i> Module number. Valid values are 1 to 3.			
	all	Displays the diagnostic results for all modules.		
Command Default	None			
Command Modes	EXEC mode			
Command History	Release	Modification		
	5.2(1)N1(1)	This command was introduced.		
Examples	_	vs how to display the diagnostic results for a specific module:		
	switch# show diagnostic result module 1			
	Current bootup diagnostic level: complete			
	Module 1: 48X10GE/Supervisor SerialNo : JAF1339ANGH			
		stic Result for Module 1 : PASS el at card bootup: complete		
	Test results: (	(. = Pass, F = Fail, I = Incomplete, U = Untested, A = Abort)		
		lash> .		
		۹> .		
		> . > .		
		> .		
		4> .		
	7) TestPower	cSupply> F		
		eratureSensor> .		
		·····> .		
		age> . > .		
	,	> . ndPort> .		
	,	gementPort> .		
		χy> .		
	15) TestFabri	-		
		3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		

```
Eth 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
 Port _____
          . . . . . . . . . . . . . . . . . . . .
 16) TestFabricPort :
 Eth
    1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
 Port
    _ _ _ _
           _ _ _
             _ _ _ _ _ _
      Eth 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
 Port -----
    17) TestForwardingEngine :
 Eth
    1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
 Port _____
                    .
 Eth 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
 Port -----
    18) TestForwardingEnginePort :
   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
 Eth
 Port -----
       _____
            _____
    Eth 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
 Port _____
    19) TestFrontPort :
 Eth 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
 Port -----
    Eth 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
 Port_____
     switch#
```

**Related Commands** 

Command	Description
diagnostic bootup level	Configures the bootup diagnostic level for a faster module bootup time.
show diagnostic bootup level	Displays the bootup diagnostics level.

#### show hosts

To display the Domain Name Server (DNS) name servers and domain names, use the **show hosts** command.

show hosts

- **Syntax Description** This command has no arguments or keywords.
- **Command Default** None

Command Modes EXEC mode

Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.

#### Examples

This example shows how to display the IP addresses of the DNS servers that are used to resolve host names:

```
switch# show hosts
DNS lookup enabled
Default domain for vrf:default is mysite.com
Name/address lookup uses domain service
Name servers are 255.255.255.255
```

Vrf	Use-vrf	Token	Config
default default	management management	domain add. domain(s)	mysite.com mysite2.com
Host switch#	Address		

<b>Related Commands</b>	Command	Description
	ip domain-list	Defines a list of domains.
	ip domain lookup	Enables DNS-based host name-to-address translation.
	ip domain-name	Configures a name server.

### show ip dns source-interface

To display the source interfaces configured for Domain Name Server (DNS) domain lookup, use the **show ip dns source-interface** command.

show ip dns source-interface [vrf {vrf-name | all | default | management}]

Syntax Description	vrf	(Optional) Displays information about the virtual routing and forwarding (VRF) instance.			
	vrf-name	<ul><li>(Optional) VRF name. The name is case sensitive and can be a maximum of 32 characters.</li><li>(Optional) Displays all VRF instances.</li></ul>			
	all				
	default	lt (Optional) Displays the default VRF information.			
	management	(Optional) Displays the management VRF information.			
Command Default	None				
Command Modes	EXEC mode				
Command History	Release	Modification			
	5.2(1)N1(1)	This command was introduced.			
Usage Guidelines	This command does not require a license.				
Examples	This example shows how	v to display the source interfaces configured for DNS domain lookup:			
Examples	This example shows how switch# <b>show ip dns so</b> VRF Name default switch#				
·	switch# <b>show ip dns so</b> VRF Name default switch#	ource-interface Interface Ethernet1/5			
Examples Related Commands	switch# <b>show ip dns so</b> VRF Name default	ource-interface Interface			

### show logging console

To display the console logging configuration, use the show logging console command.

show logging console

logging console

Related Commands	Command	Description		
Examples	This example shows l switch# <b>show loggin</b>	how to display the console logging configuration:		
	5.2(1)N1(1)	This command was introduced.		
Command History	Release	Modification		
Command Modes	EXEC mode			
Command Default	None			
Syntax Description	This command has no arguments or keywords.			

Configures logging to the console.

# show logging info

To display the logging configuration, use the show logging info command.

show logging info

Syntax Description	This command has no arguments or keywords.			
Command Default	None			
Command Modes	EXEC mode			
Command History	<b>Release</b> 5.2(1)N1(1)	Modification This command was introduced.		
Examples	This example shows how to display the logging configuration: switch# <b>show logging info</b>			
Related Commands	Command	Description		

Related Commands	Command	Description
	logging level	Enables logging messages from a defined facility.

### show logging last

To display the last number of lines of the logfile, use the **show logging last** command.

show logging last number

Syntax Description	number	Enters the number of lines to display from 1 to 9999.		
Command Default	None			
Command Modes	EXEC mode			
Command History	Release	Modification		
	5.2(1)N1(1)	This command was introduced.		
Examples	This example shows switch# <b>show logg</b>	s how to display the last 42 lines of the log file: ing last 42		
Related Commands	Command	Description		
	logging level	Enables logging messages from a defined facility.		

## show logging level

To display the facility logging severity level configuration, use the **show logging level** command.

show logging level [facility]

Syntax Description	facility	· •	(Optional) Logging facility. The facilities are listed in Table A-1 of Appendix A, "System Message Logging Facilities."			
Command Default	None					
Command Modes	EXEC mode					
Command History	Release	Modificati				
	5.2(1)N1(1)	This comn	nand was introduced			
Examples	This example shows how to display the EtherChannel logging severity level configuration: switch# <b>show logging level port-channel</b>					
	switch# <b>show lo</b> Facility	<b>ogging level flexl</b> Default Severity	ink Current Se	ng severity level configuration:		
	 Flexlink	2	5			
	0(emergencies) 3(errors) 6(information)	1(alerts 4(warnin 7(debugg	gs) 5(notifica			
	switch#					
	This example shows how to display the FCoE NPV logging severity level configuration:					
	Facility	<b>gging level fcoe</b> Default Severity		ession Severity		
	fcoe_mgr	2	3			
	0(emergencies) 3(errors) 6(information)	1(alerts 4(warnin 7(debugg	gs) 5(notifica			
	switch#					

Related Commands	Command	Description
	logging level	Configures the facility logging level.

### show logging logfile

To display the messages in the log file that were timestamped within the span entered, use the **show logging logfile** command.

show logging logfile [start-time yyyy mmm dd hh:mm:ss] [end-time yyyy mmm dd hh:mm:ss]

Syntax Description	<pre>start-time yyyy mmm dd hh:mm:ss</pre>	(Optional) Specifies a start time in the format <i>yyyy mmm dd hh:mm:ss</i> . Use three characters for the month ( <i>mmm</i> ) field, digits for the year ( <i>yyyy</i> ) and day ( <i>dd</i> ) fields, and digits separated by colons for the time ( <i>hh:mm:ss</i> ) field.
	end-time yyyy mmm dd hh:mm:ss	(Optional) Specifies an end time in the format <i>yyyy mmm dd hh:mm:ss</i> . Use three characters for the month ( <i>mmm</i> ) field, digits for the year ( <i>yyyy</i> ) and day ( <i>dd</i> ) fields, and digits separated by colons for the time ( <i>hh:mm:ss</i> ) field.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Usage Guidelines	If you do not enter an en	d time, the current time is used.
Examples	This example shows how shown:	v to display the messages in the log file that were timestamped within the span
	switch# <b>show logging</b> :	logfile start-time 2008 mar 11 12:10:00
Related Commands	Command	Description
notateu ooliilliallus		•
	logging logfile	Configures logging to a log file.

### show logging module

To display the module logging configuration, use the **show logging module** command.

#### show logging module

Syntax Description	This command has no	arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release 5.2(1)N1(1)	Modification This command was introduced.
Examples	This example shows he switch# <b>show logging</b>	ow to display the module logging configuration: g module
Related Commands	Command logging module	Description Configures module logging.

### show logging monitor

To display the monitor logging configuration, use the **show logging monitor** command.

show	logging	monitor
------	---------	---------

logging monitor

Syntax Description	This command has r	no arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	<b>Release</b> 5.2(1)N1(1)	Modification This command was introduced.
Examples	This example shows switch# <b>show logg</b>	s how to display the monitor logging configuration:
Related Commands	Command	Description

Configures logging on the monitor.

### show logging nvram

To display the messages in the nonvolatile random access memory (NVRAM) log, use the **show logging nvram** command.

show logging nvram [last number-lines]

Syntax Description	last number-lines	(Optional) Specifies the number of lines to display. The number of lines is from 1 to 100.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows	s how to display the last 20 messages in the NVRAM log: ing nvram last 20
Related Commands	Command	Description
	logging level	Enables logging messages from a defined facility.

I

### show logging onboard

To display the onboard logging information based on the error type, use the **show logging onboard** command.

show logging onboard {boot-uptime | device-version | endtime | environmental-history |
 exception-log | kernel-trace | obfl-history | obfl-logs | stack-trace | starttime | status } [> file
 | | type]

Syntax Description	boot-uptime	Displays the onboard failure logging (OBFL) boot and uptime information.	
	device-version	Displays the OBFL device version information.	
	endtime	Displays the OBFL logs until the specified end time in the following format: <i>mmlddlyy-HH:MM:SS</i>	
	environmental-history	Displays the OBFL environmental history.	
	exception-log	Displays the OBFL exception log. Displays the OBFL kernel trace information. Displays the OBFL history information.	
	kernel-trace		
	obfl-history		
	obfl-logs	Displays the OBFL technical support log information.	
	stack-trace	Displays the OBFL kernel stack trace information.	
	starttime	Displays the OBFL logs from the specified start time in the following format: <i>mmlddlyy-HH:MM:SS</i>	
	status	Displays the OBFL status enable or disable.	
	> file	(Optional) Redirects the output to a file. See the "Usage Guidelines" section for additional information.	
	type	(Optional) Filters the output. See the "Usage Guidelines" section for additional information.	
Command Default	None		
Command Modes	EXEC mode		
Command History	Release	Modification	
	5.2(1)N1(1)	This command was introduced.	
Usage Guidelines	month/day/year (mmlddl	ents for the <b>starttime</b> and <b>endtime</b> keywords are entered as the date <i>yy</i> ), followed by a hyphen, and the time in 24-hour format in <i>HH:MM:SS</i> ). For example:	
	• starttime 03/17/08-15:01:57		
	• endtime 03/18/08-1	5:04:57	
	The valid values for <i>file</i>	are as follows:	

- bootflash:
- ftp:
- scp:
- sftp:
- tftp:
- volatile:

The valid values for type are as follows:

- **begin** [-i] [-x] [word]—Begin with the line that matches the text.
  - -i—Ignores the case difference when comparing the strings.
  - -x—Prints only the lines where the match is a whole line.
  - word—Specifies for the expression.
- **count** [> *file* | | *type*]—Counts number of lines.
- **egrep** | **grep** *print-match*—Egrep or Grep. Egrep searches for lines of text that match more sophisticated regular expression syntax than grep. Grep searches for lines of text that match one or many regular expressions, and outputs only the matching lines.
  - -A *num*—Prints the specifies number of lines of context after every matching line. Range: 1 to 999.
  - -B *num*—Prints the specifies number of lines of context before every matching line. Range: 1 to 999.
  - -c—Prints a total count of matching lines only.
  - -i—Ignores the case difference when comparing the strings.
  - -n—Prints each match preceded by its line number.
  - -v—Prints only the lines that contain no matches for the word argument.
  - -w—Prints only lines where the match is a complete word.
  - -x—Prints only the lines where the match is a whole line.
  - word—Specifies for the expression.
- **exclude** [-**i**] [-**x**] [*word*]—Excludes the lines that match.
  - -i—Ignores the case difference when comparing the strings.
  - -x—Prints only the lines where the match is a whole line.
  - word—Specifies for the expression.
- head [-n *num*]—Stream Editor. The optional -n *num* keyword and argument allow you to specify the number of lines to print. Range: 0 to 2147483647.
- include [-i] [-x] [word]—Include the lines that match.
  - -i—Ignores the case difference when comparing the strings.
  - -x—Prints only the lines where the match is a whole line.
  - word—Specifies for the expression.
- **last** [*num*]—Displays the last lines to print. The optional *num* specifies the number of lines to print. Range: 0 to 9999.
- less [-E | -d]—Quits at the end of the file.

- -E—(Optional) Quits at the end of the file.
- -d-(Optional) Specifies a dumb terminal.
- no-more—Turns-off pagination for command output.
- sed command—Stream Editor
- wc—Counts words, lines, and characters.
  - -c--(Optional) Specifies the output character count.
  - -I—(Optional) Specifies the output line count.
  - -w—(Optional) Specifies the output word count.
  - >—Redirects it to a file.
  - I—Pipes command output to filter.

Use this command to view OBFL data from the system hardware. The OBFL feature is enabled by default and records operating temperatures, hardware uptime, interrupts, and other important events and messages that can assist with diagnosing problems with hardware cards or modules installed in a Cisco router or switch. Data is logged to files stored in nonvolatile memory. When the onboard hardware is started up, a first record is made for each area monitored and becomes a base value for subsequent records.

The OBFL feature provides a circular updating scheme for collecting continuous records and archiving older (historical) records, ensuring accurate data about the system. Data is recorded in one of two formats: continuous information that displays a snapshot of measurements and samples in a continuous file, and summary information that provides details about the data being collected. The message "No historical data to display" is seen when historical data is not available.

#### **Examples**

This example shows how to display the OBFL boot and uptime information:

```
switch# show logging onboard boot-uptime
-----
OBFL Data for
Module: 0
------
```

```
Sun Dec 16 16:03:39 2012: Boot Record
Boot Time.....: Sun Dec 16 16:03:39 2012
Module Number....: 1
Serial Number....: FOC16191MQ1
Bios Version....:
Firmware Version...:
```

```
Sun Dec 16 16:44:08 2012: Boot Record
Boot Time.....: Sun Dec 16 16:44:07 2012
Module Number....: 0
Serial Number....: FOC16192WJZ
Bios Version....: v1.2.0(06/09/12)
Firmware Version...: 6.0(2)N1(1) [build 6.0(2)N1(0.365.5P)]
--More--
```

Table 1 describes the significant fields shown in the display.

#### Table 1 show logging onboard boot-uptime Command Output

Field	Description
Boot Time	Time boot occurred.
Slot Number	Slot number.
Serial Number	Serial number of the module.
Bios Version	Primary binary input and output system (BIOS) version.
Firmware Version	Firmware version.

This example shows how to display the OBFL logging device information:

switch# show logging onboard device-version

OBFL Data for Module: 1

Device Version Record

Timestam	qu	Device Name	Instance Num	Hardware Version	Software Version
Sun Nov	3 07:07:00 2008	GATOS	2	2	0
Sun Nov	3 07:07:00 2008	GATOS	3	2	0
Sun Nov	3 07:07:00 2008	GATOS	4	2	0
Sun Nov	3 07:07:00 2008	GATOS	5	2	0
Sun Nov	3 07:07:00 2008	GATOS	6	2	0
Sun Nov	3 07:07:00 2008	GATOS	7	2	0
Sun Nov	3 07:07:00 2008	GATOS	8	2	0
Sun Nov	3 07:07:00 2008	GATOS	9	2	0
Sun Nov	3 07:07:00 2008	GATOS	10	2	0
Sun Nov	3 07:07:00 2008	GATOS	11	2	0
Sun Nov	3 07:07:00 2008	GATOS	12	2	0
Sun Nov	3 07:07:00 2008	GATOS	13	2	0
Mon Nov	4 00:15:08 2008	ALTOS	0	2	0
Mon Nov	4 00:15:08 2008	GATOS	0	2	0
Mon Nov	4 00:15:08 2008	GATOS	1	2	0
Mon Nov	4 00:15:08 2008	GATOS	2	2	0

Table 2 describes the significant fields shown in the display.

#### Table 2 show logging onboard device-version Command Output

Field	Description
Timestamp	Day, date, and time.
Device Name	Device name.
Instance Num	Number of instances.
Hardware Version	Hardware device version.
Software Version	Software device version.

This example shows how to display the OBFL history information:

switch# show logging onboard obfl-history

The **show logging onboard obfl-history** command displays the following information:

- Timestamp when OBFL is manually disabled.
- Timestamp when OBFL is manually enabled.
- Timestamp when OBFL data is manually cleared.

This example shows how to display the OBFL kernel stack trace information:

switch# show logging onboard stack-trace

The **show logging onboard stack-trace** command displays the following information:

- Time in seconds
- Time in microseconds
- Error description string
- Current process name and identification
- Kernel jiffies
- Stack trace

<b>Related Commands</b>	s Command Description	
	clear logging onboard	Clears the OBFL entries in the persistent log.
	hw-module logging onboard	Enables or disabled OBFL entries based on the error type.

# show logging pending

To display the pending changes to the syslog server configuration, use the **show logging pending** command.

#### show logging pending

Syntax Description	This command has r	no arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows switch# <b>show logg</b>	s how to display the pending changes to the syslog server configuration:
	switch#	
Related Commands	Command	Description
	logging abort	Cancels the pending changes to the syslog server configuration.

### show logging pending-diff

To display the differences from the current syslog server configuration to the pending changes of the syslog server configuration, use the **show logging pending-diff** command.

#### show logging pending-diff

Syntax Description	This command has n	o arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows switch# <b>show loggi</b> switch#	how to display the pending differences of the syslog server configuration: ng pending-diff
Related Commands	<b>Command</b> logging abort	<b>Description</b> Cancels the pending changes to the syslog server configuration.

### show logging session status

To display the logging session status, use the show logging session status command.

show logging session status

Syntax Description	This command has no	arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release 5.2(1)N1(1)	Modification This command was introduced.
Examples	This example shows how to display the logging session status: switch# <b>show logging session status</b>	
Related Commands	Command	Description

	•
logging level	Enables logging messages from a defined facility.

### show logging server

To display the syslog server configuration, use the **show logging server** command.

	show logging se	erver
Syntax Description	This command has n	o arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release 5.2(1)N1(1)	<b>Modification</b> This command was introduced.
Examples		how to display the syslog server configuration:
	switch# <b>show loggi</b>	ng server
Related Commands	Command	Description

Configures a remote syslog server.

logging server

### show logging status

To display the logging status, use the **show logging status** command.

show logging status

Syntax Description	This command has no a	arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows ho	ow to display the logging status:
	switch# show logging	status
	Fabric Distribute	: Enabled
	Session State switch#	: IDLE
Related Commands	Command	Description
	logging distribute	Enables the distribution of the syslog server configuration to network switches using the Cisco Fabric Services (CFS) infrastructure.

### show logging timestamp

To display the logging time-stamp configuration, use the show logging timestamp command.

show logging timestamp

Syntax Description	This command has	no arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	<b>Release</b> 5.2(1)N1(1)	Modification This command was introduced.
Examples	This example shows how to display the logging time-stamp configuration: switch# <b>show logging timestamp</b>	
Related Commands	Command	Description

Related Commands	Command	Description
	logging timestamp	Configures the logging time stamp granularity.

#### show monitor session

To display information about the Switched Port Analyzer (SPAN) or Encapsulated Remote Switched Port Analyzer (ERSPAN) sessions, use the **show monitor session** command.

show monitor session [session | all [brief] | range range [brief] | status]

Syntax Description	session	(Optional) Number of the session. The range is from 1 to 18.
yntax bosonption	all	(Optional) Displays all sessions.
	brief	(Optional) Displays an sessions.
	range range	(Optional) Displays a range of sessions. The range is from 1 to 18.
	status	(Optional) Displays the operational state of all sessions.
		<b>Note</b> This keyword applies only to SPAN sessions.
Command Default	None	
ammand Madaa	EVEC	
Command Modes	EXEC mode	
Command History		
commanu mistory	Release	Modification
-	5.2(1)N1(1) This example show	This command was introduced. ws how to display information about SPAN session 1:
	5.2(1)N1(1) This example show switch# show mon session 1	This command was introduced. ws how to display information about SPAN session 1:
	5.2(1)N1(1) This example show switch# show more	This command was introduced. ws how to display information about SPAN session 1:
-	5.2(1)N1(1) This example show switch# show mon session 1	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local
-	5.2(1)N1(1) This example show switch# show mon session 1 	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst)
-	5.2(1)N1(1) This example show switch# show mon session 1 description type state source intf	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) :
-	5.2(1)N1(1) This example show switch# show mon session 1 	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst)
-	5.2(1)N1(1) This example show switch# show mon session 1 description type state source intf rx tx both	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5 : Eth1/5
-	5.2(1)N1(1) This example show switch# show mon session 1 description type state source intf rx tx both source VLANS	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5
-	5.2(1)N1(1) This example show switch# show mon session 1 description type state source intf rx tx both source VLANS rx	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5 : Eth1/5
	5.2(1)N1(1) This example show switch# show mon session 1 description type state source intf rx tx both source VLANS	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5 : Eth1/5
	5.2(1)N1(1) This example show switch# show mon session 1 description type state source intf rx tx both source VLANs rx source VSANs	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : i
	5.2(1)N1(1) This example show switch# show mon session 1 	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : i
Examples	5.2(1)N1(1) This example show switch# show mon session 1 	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/21
	5.2(1)N1(1) This example show switch# show more session 1 	This command was introduced. ws how to display information about SPAN session 1: hitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/21

```
description
              : A Local SPAN session
type
               : local
               : down (No operational src/dst)
state
source intf
               •
              : Eth1/5
   rx
   tx
              : Eth1/5
             : Eth1/5
   both
source VSANs
              :
destination ports : Eth1/21
Legend: f = forwarding enabled, 1 = learning enabled
switch#
```

This example shows how to display the information about an ERSPAN session:

switch# show monitor session 1 session 1 \_\_\_\_\_ descript type description : ERSPAN Source configuration : erspan-source : down (No valid global IP Address) flow-id : 1 vrf-name : default destination-ip : 192.0.2.1 : 255 ip-ttl ip-dscp : 0 origin-ip : origin-ip not specified source intf : : Eth1/5 rx tx : Eth1/5 : Eth1/5 both source VLANs : : 5 rx switch#

Related Commands	Command	Description
	monitor session	Creates a new Switched Port Analyzer (SPAN) session configuration.
	show running-config monitor	Displays the running configuration information about SPAN sessions.
	monitor	

## show ntp authentication-status

To display the status of the Network Time Protocol (NTP) authentication, use the **show ntp authentication-status** command.

#### show ntp authentication-status

Syntax Description	This command has no arguments or keywords.	
Command Default	None	
Command Modes	Any command mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	-	v to display the authentication status for NTP:
Related Commands	Command	Description
	[no] ntp authenticate	Displays information about NTP peers.

#### show ntp peer-status

To display the status of the Network Time Protocol (NTP) peers, use the **show ntp peer-status** command.

show ntp peer-status

Syntax Description	This command has no arguments or keywords.	

**Command Default** None

**Command Modes** EXEC mode

 Release
 Modification

 5.2(1)N1(1)
 This command was introduced.

**Examples** This example shows how to display the peer status for NTP: switch(config)# show ntp peer-status

```
        Related Commands
        Command
        Description

        show ntp peers
        Displays information about NTP peers.
```

#### show ntp peers

To display information about Network Time Protocol (NTP) peers, use the show ntp peers command.

show ntp peers

Syntax Description	This command has no arguments or keywords.
--------------------	--

- Command Default None
- **Command Modes** EXEC mode

 Release
 Modification

 5.2(1)N1(1)
 This command was introduced.

**Examples** This example shows how to display information about NTP peers: switch(config)# show ntp peers

```
        Commands
        Command
        Description

        show ntp peer-status
        Displays status information about NTP peers.
```

#### show ntp statistics

To display Network Time Protocol (NTP) statistics, use the show ntp statistics command.

show ntp statistics {io | local | memory | peer {ipaddr address | name name1 [..nameN]}

Syntax Description	io	Displays the input-output statistics.	
	local	Displays the counters maintained by the local NTP.	
	memory	Displays the statistics counters related to the memory code.	
	peer	Displays the per-peer statistics counter of a peer.	
	ipaddr address	Displays statistics for the peer with the configured IPv4 or IPv6 address. The IPv4 address format is dotted decimal, x.x.x.x. The IPv6 address format is hexadecimal A:B::C:D.	
	name name1	Displays statistics for a named peer.	
	nameN	(Optional) Displays statistics for one or more named peers.	
Command Default	None		
Command Modes	EXEC mode		
Command History	Release	Modification	
	5.2(1)N1(1)	This command was introduced.	
Examples	This example shows how to display the statistics for NTP:		
	<pre>switch(config)# show ntp statistics local</pre>		
Related Commands	Command	Description	

# show ntp timestamp-status

To display the Network Time Protocol (NTP) time-stamp information, use the **show ntp timestamp-status** command.

#### show ntp timestamp-status

Syntax Description	This command has no arguments or keywords.	
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows how to display the NTP time-stamp status: switch(config)# <b>show ntp timestamp-status</b>	
Related Commands	Command	Description
	clear ntp statistics	Clears NTP statistics
	ntp	Configures NTP peers and servers on the switch.

#### show ptp brief

To display the PTP information, use the **show ptp brief** command.

show ptp brief

- **Syntax Description** This command has no arguments or keywords.
- Command Default None
- **Command Modes** Global configuration mode

<b>Command History</b>	Release	Modification
	5.2(1)N1(1)	This command was introduced.

**Examples** This example shows how to display the PTP status: switch(config)# show ptp brief

Related Commands	Command	Description
	show ptp clock	Displays the properties of the local clock.
	show ptp clocks foreign-masters-record	Displays the state of foreign masters known to the PTP process.
	show ptp corrections	Displays the last few PTP corrections.
	show ptp parent	Displays the properties of the PTP parent and grandmaster clock.
	show ptp port interface	Displays the status of the PTP port.
	show ptp time-property	Displays the PTP clock time properties.

#### show ptp clock

To display the properties of the local PTP clock including clock identity, use the **show ptp clock** command.

show ptp clock

- Syntax Description This command has no arguments or keywords.
- **Command Default** None

**Command Modes** Global configuration mode

Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.

**Examples** This example shows how to display the properties of the local clock: switch(config)# show ptp clock

Related Commands	Command	Description
	show ptp brief	Displays the PTP status.
	show ptp clocks foreign-masters-record	Displays the state of foreign masters known to the PTP process.
	show ptp corrections	Displays the last few PTP corrections.
	show ptp parent	Displays the properties of the PTP parent and grandmaster clock.
	show ptp port interface	Displays the status of the PTP port.
	show ptp time-property	Displays the PTP clock time properties.

### show ptp clocks foreign-masters-record

To display the state of the foreign masters known to the PTP process, use the **show ptp clocks foreign-masters-record** command.

show ptp clocks foreign-masters-record [ethernet slot/[QSFP-module/]port]

Syntax Description	ethernet	Specifies an Ethernet interface.
	slot/[QSFP-module/]port	•
		<b>Note</b> The <i>QSFP-module</i> number applies only to the QSFP+ Generic Expansion Module (GEM).
Command Modes	Global configuration mo	de
Command History	Release	Modification
	6.0(2)N1(2)	Support for the QSFP+ GEM was added.
	5.2(1)N1(1)	This command was introduced.
Examples	clock is being used as a grandmaster. This example shows how to display the foreign masters known to the PTP process: switch(config)# show ptp foreign-masters-record	
Related Commands	Command	Description
	show ptp brief	Displays the PTP status.
	show ptp clock	Displays the properties of the local clock.
	show ptp corrections	Displays the last few PTP corrections.
	show ptp port interface	Displays the status of the PTP port.
	show ptp parent	Displays the properties of the PTP parent and grandmaster clock.
	show ptp time-property	Displays the PTP clock time properties.
# show ptp corrections

To display the last few PTP corrections, use the show ptp corrections command.

show ptp corrections

Syntax Description	There are no arguments or keywords for this command.	
Command Default	None	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows how switch(config)# <b>show g</b>	v to display the most recent PTP corrections on the switch: ptp corrections
Examples Related Commands		
	switch(config)# <b>show </b>	ptp corrections
	switch(config)# show g	Description
	switch(config)# show r Command show ptp brief	Description Displays the PTP status.
	switch(config)# show g Command show ptp brief show ptp clock show ptp clocks	Description         Displays the PTP status.         Displays the properties of the local clock.
	switch(config) # show p Command show ptp brief show ptp clock show ptp clocks foreign-masters-record show ptp port	Description         Displays the PTP status.         Displays the properties of the local clock.         Displays the state of foreign masters known to the PTP process.

### show ptp parent

show ptp parent

To display the properties of the PTP parent and grandmaster clock, use the show ptp parent command.

**Syntax Description** There are no arguments or keywords for this command. **Command Default** None **Command History** Release Modification 5.2(1)N1(1) This command was introduced. **Examples** This example shows how to display the properties of the PTP parent and grandmaster clock: switch(config)# show ptp parent **Related Commands** Command Description show ptp brief Displays the PTP status. Displays the properties of the local clock. show ptp clock Displays the state of foreign masters known to the PTP process. show ptp clocks foreign-masters-record Displays the last few PTP corrections. show ptp corrections show ptp port Displays the status of the PTP port. interface Displays the PTP clock time properties. show ptp time-property

# show ptp port interface

To display the status of the PTP port, use the **show ptp port interface ethernet** command.

show ptp port interface [ethernet slot/[QSFP-module/]port]

Cuntou Decenintien	- 41 4	Constitution Palacenter from
Syntax Description	ethernet	Specifies an Ethernet interface.
	slot/[QSFP-module/]port	(Optional) Specifies the Ethernet interface and its slot number and port number. The <i>slot</i> number is from 1 to 255. The <i>QSFP-module</i> number is from 1 to 4. The <i>port</i> number is from 1 to 128.
		<b>Note</b> The <i>QSFP-module</i> number applies only to the QSFP+ Generic Expansion Module (GEM).
Command Default	None	
Command Modes	Global configuration mo	de
Command History	Release	Modification
	6.0(2)N1(2)	Support for the QSFP+ GEM was added.
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows how	to display the status of the PTP port on the switch:
	switch(config)# <b>show p</b>	tp port interface ethernet 5/1
Related Commands	Command	Description
	show ptp brief	Displays the PTP status.
	show ptp clock	Displays the properties of the local clock.
	show ptp clocks foreign-masters-record	Displays the state of foreign masters known to the PTP process.
		Displays the last form DTD as mostions
	show ptp corrections	Displays the last few PTP corrections.
	show ptp corrections show ptp port interface	Displays the status of the PTP port.
	show ptp port	

# show ptp time-property

To display the PTP clock time properties, use the show ptp time-property command.

show ptp time-property

Syntax Description	There are no arguments	or keywords for this command.
Command Default	None	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows how switch(config)# <b>show</b> p	v to display the PTP clock time properties:
	I.	
	switch(config)# <b>show</b> p	ptp time-property
	switch(config)# <b>show</b> p	Description
	switch(config)# show p Command show ptp brief	Description       Displays the PTP status.
	switch(config)# show p Command show ptp brief show ptp clock show ptp clocks	Description         Displays the PTP status.         Displays the properties of the local clock.
Examples Related Commands	switch(config)# show p Command show ptp brief show ptp clock show ptp clocks foreign-masters-record	Description         Displays the PTP status.         Displays the properties of the local clock.         Displays the state of foreign masters known to the PTP process.

# show running-config monitor

To display the running configuration for the Switched Port Analyzer (SPAN) or Encapsulated Remote Switched Port Analyzer (ERSPAN) session, use the **show running-config monitor** command.

show running-config monitor [all]

Syntax Description	all	(Optional) Displays current SPAN configuration information including default settings.	
Command Default	None		
Command Modes	EXEC mode		
Command History	Release	Modification	
	5.2(1)N1(1)	This command was introduced.	
Examples	_	vs how to display information on the running SPAN configuration:	
	switch# <b>show running-config monitor</b> !Command: show running-config monitor !Time: Thu Jan 1 06:48:56 2009		
	source interfac		
	switch#		
	This example shows how to display detailed information on the running SPAN configuration: switch# show running-config monitor all		
	!Command: show running-config monitor all !Time: Thu Jan 1 06:51:08 2009		
	source interfac		
	switch#		

<b>Related Commands</b>	Command	Description
	monitor session	Configures SPAN or ERSPAN sessions.
	show monitor session	Displays information about SPAN or ERSPAN sessions.

## show running-config port-security

To display the running system configuration information about secure ports, use the **show running-config port-security** command.

show running-config port-security [all]

Syntax Description	all	(Optional) Displays detailed information about secure ports, including default settings.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Usage Guidelines Examples		s not require a license. s how to display the running system configuration of all secure ports on an interface:
	switch# <b>show runn</b>	ing-config port-security
	!Command: show ru !Time: Tue Apr 12	nning-config port-security 10:06:56 2005
	version 5.2(1)N1( feature port-secu	
	switchport port	

<b>Related Commands</b>	Command	Description
	clear port-security dynamic	Clears the dynamically secured addresses on a port.
	show startup-config port-security	Displays the configuration information in the startup file.

## show snmp community

To display the Simple Network Management Protocol (SNMP) community strings configured on the switch, use the **show snmp community** command.

#### show snmp community

Syntax Description	This command has	no arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example show	s how to display the SNMP community strings:
	switch# <b>show snmp</b>	community
	Community	Group / Access context acl_filter
	public switch#	network-admin
Related Commands	Command	Description
	snmp-server community	Configures the community access string to permit access to the SNMP protocol.

### show snmp context

To display the Simple Network Management Protocol (SNMP) contexts configured on the switch, use the **show snmp context** command.

show snmp context

Syntax Description	This command has no an	rguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows how to display the SNMP contexts: switch# <b>show snmp context</b>	
Related Commands	Command	Description
	snmp-server context	Configures an SNMP context.

## show snmp engineID

To display the identification of the local Simple Network Management Protocol (SNMP) engine, use the **show snmp engineID** command.

show snmp engineID

Syntax Description	This command has no a	rguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
-	5.2(1)N1(1)	This command was introduced.
Usage Guidelines		opy of SNMP that can reside on a local or remote device. SNMP passwords are IP engine ID of the authoritative SNMP engine.
Examples	This example shows how	w to display the SNMP engine ID:
	switch# <b>show snmp eng</b> Local SNMP engineID: switch#	FineID [Hex] 800000903000DECB230C0 [Dec] 128:000:000:009:003:000:013:236:178:048:192
Related Commands	Command	Description
	show running-config snmp	Displays the running configuration information about SNMP.

### show snmp group

To display the names of the Simple Network Management Protocol (SNMP) groups configured on the switch, use the **show snmp group** command.

#### show snmp group

permit read

1

**Syntax Description** This command has no arguments or keywords. **Command Default** None **Command Modes** EXEC mode **Command History** Modification Release 5.2(1)N1(1) This command was introduced. **Examples** This example shows how to display the SNMP groups: switch# show snmp group Role: network-admin Description: Predefined network admin role has access to all commands on the switch \_\_\_\_\_ Perm Type Rule Scope Entity \_\_\_\_\_ permit read-write 1 Role: network-operator Description: Predefined network operator role has access to all read commands on the switch \_\_\_\_\_ Perm Type Scope Rule Entity \_\_\_\_\_ permit read 1 Role: vdc-admin Description: Predefined vdc admin role has access to all commands within a VDC instance \_\_\_\_\_ Perm Type Scope Entity Rule ----permit read-write 1 Role: vdc-operator Description: Predefined vdc operator role has access to all read commands within a VDC instance \_\_\_\_\_ \_\_\_\_\_ Rule Perm Type Scope Entity \_\_\_\_\_

Γ

```
Role: priv-3
 Description: This is a system defined privilege role.
 vsan policy: permit (default)
 Vlan policy: permit (default)
 Interface policy: permit (default)
 Vrf policy: permit (default)
Role: priv-2
 Description: This is a system defined privilege role.
 vsan policy: permit (default)
 Vlan policy: permit (default)
 Interface policy: permit (default)
 Vrf policy: permit (default)
Role: priv-1
 Description: This is a system defined privilege role.
 vsan policy: permit (default)
 Vlan policy: permit (default)
 Interface policy: permit (default)
 Vrf policy: permit (default)
Role: priv-0
 Description: This is a system defined privilege role.
 vsan policy: permit (default)
 Vlan policy: permit (default)
 Interface policy: permit (default)
 Vrf policy: permit (default)
  _____
                                               _____
      Perm Type
 Rule
                    Scope
                                         Entity
 _____
 10
      permit command
                                          traceroute6 *
 9
       permit command
                                          traceroute *
 8
       permit command
                                          telnet6 *
 7
       permit command
                                          telnet *
                                          ping6 *
 6
      permit command
 5
       permit command
                                          ping *
 4
        permit command
                                          ssh6 *
 3
        permit command
                                          ssh *
        permit command
                                          enable *
 2
        permit read
 1
Role: priv-15
 Description: This is a system defined privilege role.
 vsan policy: permit (default)
 Vlan policy: permit (default)
 Interface policy: permit (default)
 Vrf policy: permit (default)
 _____
 Rule Perm Type Scope
                                        Entity
     _____
 1
        permit read-write
switch#
```

#### **Related Commands**

CommandDescriptionshow running-configDisplays the running configuration information about SNMP.snmpSnmp

## show snmp host

To display the Simple Network Management Protocol (SNMP) host information, use the **show snmp host** command.

show snmp host

Syntax Description	This command has no a	arguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows how to display the SNMP host: switch# show snmp host	
Related Commands	Command	Description
	snmp-server host	Configures an SNMP host.

## show snmp sessions

To display the current Simple Network Management Protocol (SNMP) sessions, use the **show snmp** sessions command.

show snmp sessions

Syntax Description	This command has no an	rguments or keywords.
Command Default	None	
Command Modes	EXEC mode	
Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.
Examples	This example shows how to display the SNMP sessions: switch# show snmp sessions	
Related Commands	Command	Description
	show running-config snmp	Displays the running configuration information about SNMP.

### show snmp trap

To display the Simple Network Management Protocol (SNMP) link trap generation information, use the **show snmp trap** command.

#### show snmp trap

**Syntax Description** This command has no arguments or keywords.

**Command Default** None

**Command Modes** EXEC mode

Command History	Release	Modification
	5.2(1)N1(1)	This command was introduced.

#### Examples

This example shows how to display the SNMP traps:

switch# show snmp trap

	-	
Trap type	Description	Enabled
entity	: entity_mib_change	Yes
entity	: entity_module_status_change	Yes
entity	: entity_power_status_change	Yes
entity	: entity_module_inserted	Yes
entity	: entity_module_removed	Yes
entity	: entity_unrecognised_module	Yes
entity	: entity_fan_status_change	Yes
link	: linkDown	Yes
link	: linkUp	Yes
link	: IETF-extended-linkDown	Yes
link	: IETF-extended-linkUp	Yes
link	: cisco-extended-linkDown	Yes
link	: cisco-extended-linkUp	Yes
callhome	: event-notify	No
callhome	: smtp-send-fail	No
cfs	: state-change-notif	No
cfs	: merge-failure	No
rf	: redundancy_framework	Yes
aaa	: server-state-change	No
license	: notify-license-expiry	Yes
license	: notify-no-license-for-feature	Yes
license	: notify-licensefile-missing	Yes
license	: notify-license-expiry-warning	Yes
zone	: unsupp-mem	No
upgrade	: UpgradeOpNotifyOnCompletion	Yes
upgrade	: UpgradeJobStatusNotify	Yes
feature-control	: FeatureOpStatusChange	No
sysmgr	: cseFailSwCoreNotifyExtended	No
rmon	: risingAlarm	No

rmon	:	fallingAlarm	No
rmon	:	hcRisingAlarm	No
rmon	:	hcFallingAlarm	No
config	:	ccmCLIRunningConfigChanged	No
snmp	:	authentication	No
bridge	:	topologychange	No
bridge	:	newroot	No
stp	:	inconsistency	No
stpx	:	loop-inconsistency	No
stpx	:	root-inconsistency	No
switch#			

<b>Related Commands</b>	Command	Description
	snmp trap link-status	Enables SNMP link trap generation.

### show snmp user

To display information on each Simple Network Management Protocol (SNMP) user, use the **show snmp user** command.

show snmp user

**Syntax Description** This command has no arguments or keywords.

**Command Default** None

Command Modes EXEC mode

 Release
 Modification

 5.2(1)N1(1)
 This command was introduced.

Examples

This example shows how to display the SNMP users configured on the switch:

switch# show snmp user

	SNM	IP USEF	RS					
User			Auth	Pri	v(en	force)	Grouj	òs
admin			 md5	des	(no)		netwo	 ork-admin
NOTIFICATION 7	FARGET	USERS	(configu	red	for	sendi	ng V3	Inform)
User			Auth	Pri	v			
 switch#					_			

This example shows how to display information about a specific SNMP user:

switch# show snmp user admin
switch#

<b>Related Commands</b>	Command	Description		
	snmp-server user	Configures a new user to an SNMP group.		

### show monitor session

To display information about the Switched Port Analyzer (SPAN) or Encapsulated Remote Switched Port Analyzer (ERSPAN) sessions, use the **show monitor session** command.

show monitor session [session | all [brief] | range range [brief] | status]

Syntax Description	session	(Optional) Number of the session. The range is from 1 to 18.
	all	(Optional) Displays all sessions.
	brief	(Optional) Displays a brief summary of the information.
	range range	(Optional) Displays a range of sessions. The range is from 1 to 18.
	status	(Optional) Displays the operational state of all sessions.
		<b>Note</b> This keyword applies only to SPAN sessions.
command Default	None	
Command Modes	EXEC mode	
Command History		
	Release	Modification
	5.2(1)N1(1) This example sho	This command was introduced. ws how to display information about SPAN session 1:
	5.2(1)N1(1)	This command was introduced. ws how to display information about SPAN session 1:
Examples	5.2(1)N1(1) This example sho switch# show mon session 1	This command was introduced. ws how to display information about SPAN session 1: nitor session 1
	5.2(1)N1(1) This example sho switch# show mon session 1 	This command was introduced. ws how to display information about SPAN session 1:
	5.2(1)N1(1) This example sho switch# show mon session 1	This command was introduced. ws how to display information about SPAN session 1: nitor session 1 : A Local SPAN session
	5.2(1)N1(1) This example sho switch# show mon session 1 description type	This command was introduced. ws how to display information about SPAN session 1: nitor session 1 : A Local SPAN session : local : down (No operational src/dst) :
	5.2(1)N1(1) This example sho switch# show mon session 1 description type state source intf rx	This command was introduced. ws how to display information about SPAN session 1: <b>nitor session 1</b> : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5
	5.2(1)N1(1) This example sho switch# show mon session 1 description type state source intf rx tx	This command was introduced. ws how to display information about SPAN session 1: <b>nitor session 1</b> : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5
	5.2(1)N1(1) This example sho switch# show mon session 1 description type state source intf rx tx both	This command was introduced. ws how to display information about SPAN session 1: <b>nitor session 1</b> : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5
	5.2(1)N1(1) This example sho switch# show mon session 1 description type state source intf rx tx	This command was introduced. ws how to display information about SPAN session 1: <b>nitor session 1</b> : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5
	5.2(1)N1(1) This example sho switch# show mon session 1 description type state source intf rx tx both source VLANS	This command was introduced. ws how to display information about SPAN session 1: <b>nitor session 1</b> : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5
	5.2(1)N1(1) This example sho switch# show mon session 1 description type state source intf rx tx both source VLANS rx	This command was introduced. ws how to display information about SPAN session 1: <b>nitor session 1</b> : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5
	5.2(1)N1(1) This example sho switch# show mon session 1 description type state source intf rx tx both source VLANS rx source VSANS	This command was introduced. ws how to display information about SPAN session 1: nitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : I = I = I = I = I = I = I = I = I = I
	5.2(1)N1(1) This example sho switch# show mon session 1 	This command was introduced. ws how to display information about SPAN session 1: nitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : I = I = I = I = I = I = I = I = I = I
	5.2(1)N1(1) This example sho switch# show mon session 1 	This command was introduced. ws how to display information about SPAN session 1: nitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/21
	5.2(1)N1(1) This example sho switch# show more session 1 	This command was introduced. ws how to display information about SPAN session 1: nitor session 1 : A Local SPAN session : local : down (No operational src/dst) : : : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/5 : Eth1/21

```
description
                : A Local SPAN session
                : local
type
state
                : down (No operational src/dst)
source intf
                :
               : Eth1/5
   rx
   tx
               : Eth1/5
   both
              : Eth1/5
source VSANs
               :
destination ports : Eth1/21
Legend: f = forwarding enabled, 1 = learning enabled
switch#
```

This example shows how to display the information about an ERSPAN session:

```
switch# show monitor session 1
session 1
_____
description
               : ERSPAN Source configuration
type
               : erspan-source
               : down (No valid global IP Address)
state
         : 1
flow-id
vrf-name : default
destination-ip : 192.0.2.1
                : 255
ip-ttl
ip-dscp
                : 0
origin-ip
               : origin-ip not specified
source intf
               :
                : Eth1/5
   rx
                : Eth1/5
   tx
   both
                : Eth1/5
source VLANs
                :
                : 5
   rx
switch#
```

#### Related Commands

Command	Description		
monitor session	Creates a new Switched Port Analyzer (SPAN) session configuration.		
show running-config monitor	Displays the running configuration information about SPAN sessions.		