

Span Command Reference

This chapter describes commands to configure Span.

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monitor permit-list

To restrict the destination ports that can be used for a SPAN session, use the **monitor permit-list** command in the global configuration mode.

monitor permit-list destination interface type number

Syntax Description	type	Type of interface; valid values are gigabitethernet or tengigabitethernet .	
	number	Number of interface.	
Command Default	Disabled		
	Disabled		
Command Modes	Global Configuration (config)		
Command History	Release	Modification	
	9.5.1	This command was introduced.	
Usage Guidelines	valid for use as destinations. With a destination port permit list configured, you can only con		
	in the permit list as destinations. When you enter multiple instances of interface interface-typeslot/port-last-port, you must enter a space be and after the comma. For example, interface interface-typeslot/port-last-port, interface-typeslot/port-last- interface-typeslot/port-last-port.		
Examples	The following example shows how to configure a destination port permit list that includes Gigabit Ethe ports 5/1 through 5/4, and activate monitoring.		
	Router(config) # monitor permit-list destination interface gigabitethernet 5/1-4		
Related Commands	Command	Description	
	show monitor per	mit-list Displays the permit-list state and interfaces configured.	

monitor session

To start a new SPAN session, add or delete interfaces from an existing SPAN session, or delete a SPAN session, use the **monitor session** command in global configuration mode. To remove one or more source interfaces or destination interfaces from the SPAN session, use the **no** form of this command.

monitor session session number type span-type

monitor session local span session number source interface type number direction

monitor session local span session number source service instance EFP number type number direction

monitor session local span session number destination interface type number

Syntax Description	session_number	Number of the local SPAN session; valid value is from 1 to 50.	
	span type	Type of span; only local span type is supported.	
	source interface	Specifies the port SPAN source.	
	source service instance	Specifies the EFP SPAN source.	
	destination interface	Specifies the SPAN destination interface.	
	interface type number	Specifies the interface type and number; valid values are gigabitethernet (1 to 9) and port-channel .	
	direction	Traffic direction. The <i>direction</i> argument accepts the following values:	
		• both-monitors received and transmitted traffic (both ingress and egress).	
		• rx-monitors received traffic (ingress).	
		• tx-monitors transmitted traffic (egress).	
Command Default	This command has no default settings.		
Command Modes	Global Configuration (config)		
Command History	Release	Modification	
	9.5.1	This command was introduced.	

Only one SPAN destination for a SPAN session is supported. If you attempt to add another destination interface to a session that already has a destination interface configured, you will get an error. You must first remove a SPAN destination interface before changing the SPAN destination to a different interface.			
The following example shows how to start a third local monitor session.			
The following example shows how to configure a port span for the TenGigabitEthernet 4/1 port and monitor the received traffic (ingress).			
The following example shows how to configure a monitoring port for a traffic mirroring session. Router(config-mon-local)# destination interface TenGigabitEthernet 5/1			
Command show monitor	Description Displays SPAN session number.		
	to a session that already has a destination interface of a SPAN destination interface before changing the SI The following example shows how to start a third lo Router (config) # monitor session 3 type local The following example shows how to configure a pot the received traffic (ingress). Router (config-mon-local) # source interface for The following example shows how to configure a management Router (config-mon-local) # destination interface for Router (config-mon-local) # destination interface for Router (config-mon-local) # destination interface for Router (config-mon-local) # destination interface for the following example shows how to configure a management for the fo		

show monitor permit-list

To display the destination ports that can be used for a SPAN session, use the **show monitor permit-list**command in either user or privileged EXEC mode.

show monitor permit-list

Command Default This command has no default settings.

Command Modes User EXEC (>) Privileged EXEC (#)

Command History	Release	Modification
	9.5.1	This command was introduced.

Examples The following example shows how to display the permit-list state and interfaces configured. Router# show monitor permit-list

Related Commands

Command I	Description
-	Configures a destination port permit list or adds to an existing destination port permit list.

show monitor session

To display information about the SPAN sessions, use the **show monitor session** command in the user EXEC mode.

show monitor session all

Syntax Description	all (Optional) Displays all sessions.		
Command Default	This command has no default settings.		
Command Modes	User EXEC (>)		
Command History	Release	Modification	
	9.5.1	This command was introduced.	
	9.3.1	This command was introduced.	
Usage Guidelines	If you enter the show monitor session command without specifying a session, the information for all session		
	is displayed.		
Examples	The following example shows how to display the configuration of all the SPAN sessions.		
·	Router# show monitor session all		
Related Commands			
nonatou ooninnahus	Command	Description	
	monitor session	Starts a new SPAN session.	