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monitor capture

To enable and configure monitor packet capturing, use the the **monitor capture** privileged EXEC mode command. To disable monitor packet capturing, use the **no** form of this command.

monitor capture [buffer size *size*] [**circular**| **linear**] [**dot1q**] [**filter** *acl-num*| *exp-acl-num*| *acl-name*] [**length** *bytes*] {**clear [filter**]| **export buffer** *location*| **schedule at** *hh* : *mm* : *ss* [*date* [*month year*]]| **start** [**for** *number* {**seconds**| **packets**}]] **stop**}

no monitor capture [buffer size *size*] [**circular**| **linear**] [**dot1q**] [**filter** *acl-num*| *exp-acl-num*| *acl-name*] [**length** *bytes*] [**clear [filter**]| **export buffer** *location*| **schedule at** *hh* : *mm* : *ss* [*date* [*month year*]]]

Syntax Description

buffer size size	Specifies the capture buffer size in kilobytes. Range: 32 to 65535. Default: 2048 Kb.
circular linear	Specifies a circular or linear capture buffer. The default is linear.
clear	Clears the capture buffer and sets the number of captured packets to zero.
dot1q	Includes dot1q information in the monitor capturing.
export buffer	Exports to remote location.
filter	Specifies that packets from a specified ACLs only are sent to the capture buffer.
acl-num	IP access list (standard or extended). Range: 1 to 199.
exp-acl-num	IP expanded access list (standard or extended). Range: 1300 to 2699.
acl-name	ACL name.
length size	Specifies the capture length of each packet in bytes. Range: 0 to 9216. Default: 68.

location	Location to dump capture buffer. Valid values are as follows:
	• dot1q <i>location</i> Specifies the dot1q capture buffer location.
	• bootflash:Location to dump buffer.
	• disk0:Location to dump buffer.
	• ftp:Location to dump buffer.
	• http:Location to dump buffer.
	• https:Location to dump buffer.
	• rcp:Location to dump buffer.
	• scp:Location to dump buffer.
	• sup-bootdisk: Location to dump buffer.
	• tftp:Location to dump buffer.
schedule at	Schedules the capture at a specific time/date.
hh : mm : ss	Time in hours:minutes:seconds. Range: hours: 0 to 23; minutes: 0 to 59; seconds: 0 to 59.
date	(Optional) Date. Range: 1 to 31.
month	(Optional) Month. Range: 1 to 12.
start	Starts capturing the packets to the beginning of the buffer.
for	(Optional) Specifies the length of time in seconds or the number of packets.
number	Stops the capture after the specified number of seconds or packets. Range: 1 to 4294967295.
stop	Moves the capture to the OFF state.

Command Default

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Capture buffer is disabled by default.

Command Modes EXEC (>)

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Command History	Release	Modific	ation
	12.2(33)SXI	This cor	nmand was introduced.
Usage Guidelines	The buffer size size keyword	s and argument defines t	he buffer size that is used to store the packet.
	The length <i>size</i> keyword and argument copies the specified number of bytes of data from each packet. The default setting of 68 bytes is adequate for IP, ICMP, TCP, and UDP. If you set the length to 0, the whole packet is copied to the buffer.		
	The linear capture buffer mode specifies that capture stops when the end of the capture buffer is reached. In the circular capture buffer mode, the capture will begin to overwrite earlier entries when the capture buffer becomes full. Changing the buffer mode or the buffer length automatically stops the capture.		
	If the ACL specified is configured, it is used for applying the filter in the software. When you specify a capture filter ACL in the start command, the new ACL will not override any configured ACLs. The new ACL will execute in software.		
	If you configure the capture schedule, the capture schedule stops the capture start for the specified future time. This is the same as manually starting a capture at the specified time. If any capture is already running, that capture is stopped and the buffer is cleared.		
	The format for time and date is <i>hh:mm:ss dd mmm yyyy</i> . The time zone is GMT. The hour is specified in 24-hour notation, and the month is specified by a three-letter abbreviation. For example, to set a capture starting time of 7:30 pm on October 31, 2008, use the notation 19:30:00 31 oct 2008.		
	If you do not enter the start or stop keyword, the capture buffer is initialized and set in the OFF state.		
	If you enter the no monitor capture command without entering any keywords or arguments, capture is stopped and the capture buffer is deleted. After entering the no form of the monitor capture command, the capture buffer cannot be displayed or exported. If you specify the <i>length</i> or buffer size with the no monitor capture command, the capture is not deleted and the length or buffer size is set to the default values. The start and stop keywords are not valid with the no monitor capture command.		
	To clear the EXEC configurations or any capture schedules, enter the clear keyword. The clear keyword clears the capture buffer and sets the number of captured packets to zero.		
Examples	This example shows how to c	onfigure the capture leng	gth initially before starting the capture:
	Router# monitor capture length 128		
	Router# monitor capture start Router# monitor capture stop This example shows how to start a new capture with non-default values:		
	Router# monitor capture length 100 circular start Router# monitor capture stop		tart
Related Commands	Command		Description
	show monitor capture		Displays the capture buffer contents

monitor capture (access list/class map)

To configure a monitor capture specifying an access list or a class map as the core filter for the packet capture, use the **monitor capture** command in privileged EXEC mode. To disable the monitor capture with the specified access list or class map as the core filter, use the **no** form of this command.

monitor capture *capture-name* {**access-list** *access-list-name* | **class-map** *class-map-name*}

no monitor capture *capture-name* {**access-list** *access-list-name* | **class-map** *class-map-name*}

Syntax Description

I	capture-name	The name of the capture.
	access-list access-list-name	Configures an access list with the specified name.
	class-map class-map-name	Configures a class map with the specified name.

Command Default	A monitor capture with the specified access list or a class map as the core filter for the packet capture is not configured.

Command Modes Privileged EXEC (#)

Command History	Release	Modification
	Cisco IOS XE Release 3.7S	This command was introduced.

Usage Guidelines Configure the access list using the **ip access-list** command or the class map using the **class-map** command before using the **monitor capture** command. You can specify a class map, or an access list, or an explicit inline filter as the core filter. If you have already specified the filter when you entered the **monitor capture match** command, the command replaces the existing filter.

Examples

The following example shows how to define a core system filter using an existing access control list:

Device> enable Device# configure terminal Device (config)# ip access-list standard acl1 Device (config-std-nacl)# permit any Device (config-std-nacl)# exit Device (config)# exit Device# monitor capture mycap access-list acl1 Device# end The following example shows how to define a core system filter using an existing class map: Device> enable

Device# configure terminal Device(config)# ip access-list standard acl1

```
Device(config-std-nacl) # permit any
Device(config-std-nacl) # exit
Device(config) # class-map match-all cmap
Device(config-cmap) # match access-group name acl
Device(config-cmap) # exit
Device(config) # exit
Device# monitor capture mycap class-map classmap1
Device# end
```

Related Commands

Command	Description
class-map	Configures a class map.
ip access-list	Configures an access list.
match access-group	Configures the match criteria for a class map on the basis of the specified ACL.
monitor capture (interface/control plane)	Specifies attachment points with direction.
monitor capture match	Defines an explicit inline core filter.
permit	Sets conditions in a named IP access list.
show monitor capture	Displays packet capture details.

monitor capture (interface/control plane)

To configure monitor capture specifying an attachment point and the packet flow direction, use the **monitor** capture command in privileged EXEC mode. To disable the monitor capture with the specified attachment point and the packet flow direction, use the **no** form of this command.

monitor capture *capture-name*{interface *type number* | control-plane} {in| out| both}

no monitor capture *capture-name* {interface *type number* | control-plane} {in| out| both}

Syntax Description

capture-name	Name of the capture.
interface type number	Configures an interface with the specified type and number as an attachment point.
control-plane	Configures a control plane as an attachment point.
in	Specifies the inbound traffic direction.
out	Specifies the outbound traffic direction.
both	Specifies both inbound and outbound traffic directions.

Command Default The monitor packet capture filter specifying is not configured.

Command Modes Privileged EXEC (#)

 Command History
 Release
 Modification

 Cisco IOS XE Release 3.7S
 This command was introduced.

Usage Guidelines Repeat the **monitor capture** command as many times as required to add multiple attachment points.

Examples The following example shows how to add an attachment point to an interface: Device> enable Device# monitor capture mycap interface GigabitEthernet 0/0/1 in Device# end The following example shows how to add an attachment point to a control plane:

Device> enable Device# monitor capture mycap control-plane out Device# end

Related Commands

Command	Description
access-list	Configures an access list.
class-map	Configures a class map.
monitor capture match	Defines an explicit in-line core filter.
monitor capture (access list/class map)	Specifies an access list or class map as the core filter during packet capture.
show monitor capture	Displays packet capture details.

monitor capture buffer

To configure a buffer to capture packet data, use the **monitor capture buffer** command in privileged EXEC mode. To stop capturing packet data into the buffer, use the **no** form of this command.

monitor capture buffer *buffer*-name [clear| export export-location| filter access-list {ip-access-list| ip-expanded-list| access-list-name} | limit {allow-nth-pak nth-packet| duration seconds| packet-count total-packets| packets-per-sec packets} | [max-size bytes| size buffer-size] [circular| linear]]

no monitor capture buffer buffer-name

Cisco ASR 1000 Series Aggregation Services Routers

monitor capture capture-name buffer circular size buffer-size

no monitor capture capture-name buffer circular size buffer-size

Syntax Description

buffer-name	Name of the capture buffer.
clear	(Optional) Clears the contents of capture buffer.
export export-location	(Optional) Exports data from capture buffer in packet capture (PCAP) file format to the export location specified: ftp: , http: , https: , pram: , rcp: , scp: , tftp:
filter access-list	(Optional) Configures filters to filter the packets stored in the capture buffer by using access control lists (ACLs). The name or type of access lists can be specified as the criteria for configuring the filters.
ip-access-list	(Optional) IP access list number. The range is from 1 to 199.
ip-expanded-list	(Optional) IP expanded access list number. The range is from 1300 to 2699.
access-list-name	(Optional) Name of the access list.
limit	(Optional) Limits the packets captured based on the parameters specified.
allow-nth-pak nth-packet	(Optional) Allows every <i>n</i> th packet in the captured data through the buffer.
duration seconds	(Optional) Specifies the duration for which the data is captured, in seconds. The range is from 1 to 2147483647.

packet-count total-packets	(Optional) Specifies the total number of packets captured. The range is from 1 to 2147483647.
packets-per-sec packets	(Optional) Specifies the number of packets copied per second. The range is from 1 to 2147483647.
max-size bytes	(Optional) Specifies the maximum size of the element in the buffer, in bytes. The range is from 68 to 9500.
size buffer-size	 (Optional) Specifies the size of the buffer. The range is from 246 KB to 102400 KB. The default is 1024 KB. Note In Cisco IOS XE software, the range is from 1 MB to 100 MB. The default is 1 MB.
circular	(Optional) Specifies that the buffer is of a circular type. The circular type of buffer continues to capture data, even after the buffer is consumed, by overwriting the data captured previously.
linear	 (Optional) Specifies that the buffer is of a linear type. The linear type of buffer stops capturing data when the buffer is fully consumed. Note In Cisco IOS XE software, the default type of the buffer is linear.
capture-name	Name of the capture.

Command Default Data packets are not captured into a capture buffer.

Command Modes Privileged EXEC (#)

Command History

Release	Modification
12.4(20)T	This command was introduced.
12.2(33)SRE	This command was integrated into Cisco IOS Release 12.2(33)SRE.
Cisco IOS XE Release 3.7S	This command was integrated into Cisco IOS XE Release 3.7S.

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Usage Guidelines	Use this command to configure the capture buffer. You can configure two types of capture buffers: linear and circular. When the linear buffer is full, data capture stops automatically. When the circular buffer is full, data	
	capture starts from the beginning and data is overwrit	ten.
	Use the limit keyword to control the rate at which pa	ckets are captured.
Examples	The following example shows how to define a captur is of circular type.	e buffer named pktrace1 that is up to 256 KB long and
	Device# monitor capture buffer pktrace1 max-	size 256 circular
	The following example shows how to export data from the pktrace1 buffer for analysis:	
	Device# monitor capture buffer pktrace1 expo	rt tftp://209.165.201.1/pktrace1
Examples	The following example shows how to define a capture buffer that is up to 2 MB long:	
	Device# monitor capture mycap buffer circula:	r size 2
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	Command	Description
	dahug nackat cantura	Enables packet capture infra debugs

	Description
debug packet-capture	Enables packet capture infra debugs.
monitor capture point	Defines a monitor capture point and associates it with a capture buffer.
show monitor capture	Displays the contents of a capture buffer or a capture point.

monitor capture clear

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To clear the contents of a packet capture buffer, use the **monitor capture clear** command in privileged EXEC mode.

monitor capture capture-name clear

Syntax Description	capture-name	Name of the capture.
Command Default	The buffer content is not cleared.	
Command Modes	Privileged EXEC (#)	
Command History	Release	Modification
	Cisco IOS XE Release 3.7S	This command was introduced.
usage Guidelines	Use the monitor capture clear command command either during capture or after t has been met, or you entered the monito command after the capture has stopped, th of the captured packets in a file will have	d to empty the capture buffer. Use the monitor capture clear he capture has stopped either because one or more end conditions r capture stop command. If you enter the monitor capture clear le monitor capture export command that is used to store the contents e no impact because the buffer has no captured packets.
Examples	The following example shows how to cle Device> enable Device# monitor capture mycap clea Device# end	ar capture buffer contents:
Related Commands	Command	Description
	monitor capture export	Stores the captured packets in a file.
	monitor capture stop	Stops the capture of packet data at a traffic trace point.
	show monitor capture	Displays packet capture details.

monitor capture export

To store captured packets in a file, use the monitor capture export command in privileged EXEC mode.

monitor capture capture-name export filelocation/file-name

Syntax Description

capture-name	Name of the capture.
export	Stores all the packets in capture buffer to a file of type .PCAP.
file-location/file-name	Destination file location and name.

Command Default The captured packets are not stored.

Command Modes Privileged EXEC (#)

Command History Release Modification Cisco IOS XE Release 3.7S This command was introduced.

Usage Guidelines Use the **monitor capture export** command only when the storage destination is a capture buffer. The file may be stored either remotely or locally. Use this command either during capture or after the packet capture has stopped. The packet capture could have stopped because one or more end conditions has been met or you entered the **monitor capture stop** command.

Examples The following example shows how to export capture buffer contents: Device> enable Device# monitor capture mycap export tftp://10.1.88.9/mycap.pcap Device# end Device# end

Related Commands

Command	Description
monitor capture stop	Terminates the packet capture.

monitor capture match

To define an explicit inline core filter, use the **monitor capture match** command in privileged EXEC mode. To remove this filter, use the **no** form of this command.

monitor capture *capture-name* **match** {**any** | {**ipv4**| **ipv6**} {*source-prefix/length*| **any**| **host**} *source-ip-address* {{*destination-prefix/length*| **any**| **host**} *destination-ip-address*}| **protocol** {**tcp**| **udp**} {{*source-prefix/length*| **any**| **host**} {{*destination-prefix/length*| **any**| **host**} | [[**eq** | **gt**| **lt** | **neg**] *port-number*] | **range** *start-port-number end-port-number* | [**eq** | **gt**| **lt** | **neg**] *port-number* | **range** *start-port-number* }} | **mac** {*source-mac-address* | {**any**| **host**} *source-mac-address*} *source-mac-address* {*destination-mac-address*} | {**any**| **host**} *destination-mac-address*} *destination-mac-address-mask*}

no monitor capture capture-name match

Syntax Description	Syntax	Description	n
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capture-name	Name of the capture.
any	Specifies all packets.
ipv4	Specifies IPv4 packets.
ipv6	Specifies IPv6 packets.
source-prefix/length	The network prefix and length of the IPv4 or IPv6 source address.
any	Specifies network prefix of any source IPv4 or IPv6 address.
host	Specifies the source host.
source-ip-address	Source IPv4 or IPv6 address.
destination-prefix/length	Destination IPv4 or IPv6 address.
any	Specifies the network prefix and length of any IPv4 or IPv6 destination address.
host	Specifies the destination host.
destination-ip-address	Destination IPv4 or IPv6 address.
protocol	Specifies the protocol.
tcp	Specifies the TCP protocol.
udp	Specifies the UDP protocol.

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eq	(Optional) Specifies that only packets with a port number that is equal to the port number associated with the IP address are matched.
gt	(Optional) Specifies that only packets with a port number that is greater than the port number associated with the IP address are matched.
lt	(Optional) Specifies that only packets with a port number that is lower than the port number associated with the IP address are matched.
neq	(Optional) Specifies that only packets with a port number that is not equal to the port number associated with the IP address are matched.
port-number	(Optional) The port number associated with the IP address. The range is from 0 to 65535.
range	(Optional) Specifies the range of port numbers.
start-port-number	(Optional) The start of the range of port numbers. The range is from 0 to 65535.
end-port-number	(Optional) The end of the range of port numbers. The range is from 0 to 65535.
mac	Specifies a Layer 2 packet.
source-mac-address	The source MAC address.
any	Specifies the network prefix of any source MAC address.
host	Specifies the MAC source host.
source-mac-address-mask	The source MAC address mask.
destination-mac-address	The destination MAC address.
any	Specifies the network prefix of any destination MAC address.
host	Specifies the MAC source host.
destination-mac-address-mask	The destination MAC address mask.

Command Modes Privileged EXEC (#)

Command History	Release	Modification
	Cisco IOS XE Release 3.7S	This command was introduced.
Usage Guidelines	Use the monitor capture command to sp Any filter has already specified before y	becify the core filter as a class map, access list, or explicit inline filter. ou enter the monitor capture match command is replaced.
Examples	The following example shows how to se	t various explicit filters:
	Device> enable Device# monitor capture mycap mate Device# monitor capture mycap mate Device# monitor capture mycap mate Device# monitor capture mycap mate Device# end	ch any ch mac any any ch ipv4 any any ch ipv4 protocol udp 198.51.100.0/24 eq 20001 any
	The following example shows how to se	t a filter for MAC addresses:
	Device> enable Device# monitor capture match myca 0000.0000.0000 Device# end	ap mac 0030.9629.9f84 0000.0000.0000 0030.7524.9f84
	The following example shows how to se	t a filter for IPv4 traffic:
	Device> enable Device# monitor capture match myca 203.0.113.254 Device# end	ap ipv4 198.51.100.0/24 198.51.100.1 203.0.113.0/24

Related Commands	Command	Description
	monitor capture (access list/class map)	Configures an access list or class map as a core filter.

monitor capture limit

To configure capture limits, use the **monitor capture limit** command in privileged EXEC mode. To remove the capture limits, use the **no** form of this command.

monitor capture *capture-name* **limit** [**duration** *seconds*] [**every** *number*] [**packet-length** *size*][**packets** *number*] [**pps** *number*]

no monitor capture name limit [duration] [every] [packet-length] [packets] [pps]

Syntax Description

capture-name	Name of the packet capture.
duration seconds	(Optional) Specifies the duration of the capture, in seconds. The range is from 1 to 1000000.
every number	(Optional) Specifies that, in a series of packets, the packet whose numerical order is denoted by the <i>number</i> argument should be captured. The range is from 2 to 100000.
packet-length bytes	(Optional) Specifies the packet length, in bytes. If the actual packet is longer than the specified length, only the first set of bytes whose number is denoted by the <i>bytes</i> argument is stored.
packets packets-number	(Optional) Specifies the number of packets to be processed for capture.
pps pps-number	(Optional) Specifies the number of packets to be captured per second. The range is from 1 to 1000000.

Command Default No capture limits are configured.

Command Modes Privileged EXEC (#)

Command History	Release	Modification
	Cisco IOS XE Release 3.7S	This command was introduced.

Usage Guidelines If no duration is specified, the capture does not stop until it is manually interrupted. The entire packet is processed if the **packet-length** *bytes* keyword-argument pair is not specified. All matched packets are

captured, if the **every** *number* keyword-argument pair is not specified. All matched packets are captured if the **packets** *packets-number* keyword-argument pair is not specified. The incoming packets are captured at the rate of 1 million packets per second if the **pps** *number* keyword-argument pair is not specified.

Examples

The following example shows how to specify capture limits:

Device> enable Device# monitor capture mycap limit duration 10 Device# monitor capture mycap limit packet-length 128 Device# monitor capture mycap limit packets 100 Device# monitor capture mycap limit pps 1000 Device# monitor capture mycap limit duration 10 packet-length 128 packets 100 Device# end

Related Commands

Command	Description
show monitor capture	Displays packet capture details.

monitor capture point

To define a monitor capture point, use the **monitor capture point** command in privileged EXEC mode. To disable the monitor capture point, use the **no** form of this command.

monitor capture point {**ip**| **ipv6**} {**cef** *capture-point-name interface-name interface-type* {**both**| **in**| **out**}] **process-switched** *capture-point-name* {**both**| **from-us**| **in**| **out**}}

no monitor capture point {**ip**| **ipv6**} {**cef** *capture-point-name interface-name interface-type*| **process-switched** *capture-point-name*}

Syntax Description

ір	Configures an IPv4 capture point.
ipv6	Configures an IPv6 capture point.
cef	Specifies that the capture point contains Cisco Express Forwarding (CEF) packets.
capture-point-name	Name of the capture point.
interface-name interface-type	Specifies the interface name and type. For more information, use the question mark (?) online help function.
both	Specifies that the packets are captured in ingress and egress directions.
in	Specifies that the packets are captured in ingress direction.
out	Specifies that the packets are captured in egress direction.
process-switched	Specifies that the capture point contains process switched packets.
from-us	Specifies that the packets are originating locally.

Command Default

Monitor capture points are not defined.

Command Modes Privileged EXEC (#)

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Command History	Release	Modification	
	12.4(20)T	This command was introduced.	
	12.2(33)SRE	This command was integrated into Cisco IOS Release 12.2(33)SRE.	
Usage Guidelines	Two types of capture points can be associate command to associate the command to start packet capture.	defined: IPv4 and IPv6. Once defined, use the monitor capture point capture point with a capture buffer. Use the monitor capture point start	
	Multiple packet capture points can be activated on a given interface. For example, Border Gateway Protocol (BGP) packets can be captured into one capture buffer and Open Shortest Path First (OSPF) packets into another.		
Examples	The following example shows how the Fast Ethernet interface 0/1: Router# monitor capture point	to define a capture point named ipceffa0/1 with CEF switching path and ip cef ipceffa0/1 fastEthernet 0/1 both	
Related Commands	Command	Description	
	debug packet-capture	Enables packet capture infra debugs.	
	monitor capture buffer	Configures a capture buffer to capture packet data.	
	monitor capture point associate	Associates a monitor capture point with a capture buffer.	
	monitor capture point start	Enables a monitor capture point to start capturing packet data.	
	show monitor capture	Displays the contents of a capture buffer or a capture point.	

monitor capture point associate

To associate a monitor capture point with a capture buffer, use the **monitor capture point associate**command in privileged EXEC mode.

monitor capture point associate capture-point-name capture-buffer-name

Syntax Description	capture-point-name		Name of the capture point to be associated with the capture buffer.
	capture-buffer-name		Name of the capture buffer.
Command Default	Monitor capture points are n	ot associated with capture	e buffers.
Command Modes	Privileged EXEC (#)		
Command History	Release	Modification	
	12.4(20)T	This command	d was introduced.
	12.2(33)SRE	This command	d was integrated into Cisco IOS Release 12.2(33)SRE.
Usage Guidelines	Use the monitor capture po use the monitor capture po results in all packets captured A capture point can be assoc	bint command to define the int associate command to a from the specified capture is a to be a solution of the specified with only one capture is a solution of the specified with only one capture is a solution of the specified with only one capture is a solution of the specified with only one capture is a solution of the specified with only one capture is a solution of the specified with only one capture is a solution of the specified with only one capture is a solution of the specified with other specified with s	the capture points. Once the capture points are defined, to associate a capture point with a capture buffer. This re point to be dumped into the associated capture buffer. Irre buffer.
	Use the monitor capture po capture buffer.	oint disassociate commar	nd to disassociate the specified capture point from the
Examples	The following example show	vs how to associate the ip	ceffa0/1 capture point to the pktrace1 capture buffer:
	Router# monitor capture	point associate ipcef	fa0/1 pktrace1
Related Commands	Command		Description
	debug packet-capture		Enables packet capture infra debugs.
	monitor capture buffer		Configures a capture buffer to capture packet data.

Command	Description
monitor capture point	Defines a monitor capture point.
monitor capture point disassociate	Disassociates a monitor capture point from the specified monitor capture buffer.
show monitor capture	Displays the contents of a capture buffer or a capture point.

monitor capture point disassociate

To disassociate a monitor capture point from its associations with a capture buffer, use the **monitor capture point disassociate**command in privileged EXEC mode.

monitor capture point disassociate capture-point-name

Syntax Description	capture-point-name	Specifies the name of the capture point to be disassociated from the capture buffer.
Command Default	Monitor capture points are not assoc	ated with capture buffers.
Command Modes	Privileged EXEC (#)	
Command History	Release	Modification
	12.4(20)T	This command was introduced.
	12.2(33)SRE	This command was integrated into Cisco IOS Release 12.2(33)SRE.
Usage Guidelines	Use the monitor capture point asso results in all packets captured from th A capture point can be associated wi Use the monitor capture point disa capture buffer.	iate command to associate a capture point with a capture buffer. This specified capture point to be dumped into the associated capture buffer. h only one capture buffer. sociate command to disassociate the specified capture point from the
Examples	The following example shows how to Router# monitor capture point of	disassociate the ipceffa0/1 capture point from its capture buffer:
Related Commands	Command	Description
		Exclusion Exclusion and the section of the debugs
	debug packet-capture	Enables packet capture infra debugs.
	monitor capture buffer	Configures a capture buffer to capture packet data.
	monitor capture point	Defines a monitor capture point.

Command	Description
monitor capture point associate	Associates a monitor capture point with a capture buffer.
show monitor capture	Displays the contents of a capture buffer or a capture point.

monitor capture point start

To enable a monitor capture point to start capturing packet data, use the **monitor capture point start** command in privileged EXEC mode.

monitor capture point start {capture-point-name| all}

Syntax Description			
	capture-point-name		Name of the capture point to start capturing packet data.
	all		Configures all capture points to start capturing packet data.
Command Default	Data packets are not captured	into a capture buffer.	
Command Modes	Privileged EXEC (#)		
Command History	Release	Modification	
	12.4(20)T	This comman	d was introduced.
	12.2(33)SRE	This comman	d was integrated into Cisco IOS Release 12.2(33)SRE.
Usage Guidelines	Use this command to capture	packet data at a traffic th	race point into a buffer.
	Once the capture point is defi capture. To stop capturing the	ned, use the monitor ca packet data, use the mo	pture point start command to enable the packet data onitor capture point stop command.
Examples	The following example shows	s how to start the packet	capture:
	Router # monitor capture g Mar 21 11:13:34.023: %BUB	point start ipceffa0/ FCAP-6-ENABLE: Captur	/1 ce Point ipceffa0/1 enabled.
Related Commands	Command		Description
	debug packet-capture		Enables packet capture infra debugs.
	monitor capture buffer		Configures a capture buffer to capture packet data.
	monitor capture point		Defines a monitor capture point.

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Command	Description
monitor capture point stop	Disables the packet capture.
show monitor capture	Displays the contents of a capture buffer or a capture point.

monitor capture point stop

To disable the packet capture, use the monitor capture point stopcommand in privileged EXEC mode.

monitor capture point stop {*capture-point-name*| **all**}

Syntax Description	capture-point-name	Name of the capture point to stop the packet capture.
	all	Configures all capture points to stop the packet capture.

Command Default Data packets are not captured into a capture buffer.

Command Modes Privileged EXEC (#)

Release Modification 12.4(20)T This command was introduced. 12.2(33)SRE This command was integrated into Cisco IOS Release 12.2(33)SRE.

Examples

Router# monitor capture point stop ipceffa0/1 Mar 21 11:14:20.152: %BUFCAP-6-DISABLE: Capture Point ipceffa0/1 disabled.

Related Commands

Command	Description
debug packet-capture	Enables packet capture infra debugs.
monitor capture buffer	Configures a capture buffer to capture packet data.
monitor capture point	Defines monitor capture points.
show monitor capture	Displays the contents of a capture buffer or a capture point.

monitor capture point tcp

To define a monitor capture point for TCP packets, use the **monitor capture point tcp** command in privileged EXEC mode. To disable the monitor capture point, use the **no** form of this command.

monitor capture point tcp *capture-point-name* {both | in | out} filter {ipv4 | ipv6}

no monitor capture point tcp capture-point-name

Syntax Description

capture-point-name	Name for the capture point.
both	Specifies that the packets are captured in both ingress and egress directions.
in	Specifies that the packets are captured in the ingress direction.
out	Specifies that the packets are captured in the egress direction.
filter	Specifies the filter for IPv4 TCP packets or IPv6 TCP packets.
ipv4	Specifies the filter to capture IPv4 TCP packets.
ipv6	Specifies the filter to capture IPv6 TCP packets.

Command Default Monitor capture points for TCP packets are not defined.

Command Modes Privileged EXEC (#)

Command History Release Modification Cisco IOS XE 3.10S This command was introduced.

Usage Guidelines Two types of capture points can be defined: IPv4 and IPv6. Once defined, use the **monitor capture point associate** command to associate the capture point with a capture buffer. Use the **monitor capture point start** command to start packet capture.

Examples The following example shows how to define the capture point test01 to capture TCP packets in the ingress direction:

Device# monitor capture buffer buff01 Device# monitor capture point tcp test01 in filter ipv4

Device# monitor capture point associate test01 buff01 Device# monitor capture point start test01

Examples

The following example shows sample output with capture point test01, buffer buff01, and IPv4 filtering for capturing TCP packets:

Device# show monitor capture point test01

```
Status Information for Capture Point test01
TCP Process
Switch Path: TCP Process, Capture Buffer: buff01
Status : Active
Configuration:
```

monitor capture point tcp test01 in filter ipv4

Related Commands

Command	Description
monitor capture buffer	Configures a capture buffer to capture packet data.
monitor capture point associate	Associates a monitor capture point with a capture buffer.
monitor capture point start	Enables a monitor capture point to start capturing packet data.
show monitor capture	Displays the contents of a capture buffer or a capture point.

monitor capture point udp

To define a monitor capture point for UDP packets, use the **monitor capture point udp** command in privileged EXEC mode. To disable the monitor capture point, use the **no** form of this command.

monitor capture point udp *capture-point-name* {both | in | out} filter {ipv4 | ipv6}

no monitor capture point udp capture-point-name

Syntax Description

capture-point-name	Name for the capture point.
both	Specifies that the packets are captured in both ingress and egress directions.
in	Specifies that the packets are captured in the ingress direction.
out	Specifies that the packets are captured in the egress direction.
filter	Specifies the filter for IPv4 UDP packets or IPV6 UDP packets.
ipv4	Specifies the filter to capture IPv4 TCP packets.
ірv6	Specifies the filter to capture IPv6 TCP packets.

Command Default Monitor capture points for UDP packets are not defined.

Command Modes Privileged EXEC (#)

Command History Release Modification Cisco IOS XE 3.10S This command was introduced.

Usage Guidelines Two types of capture points can be defined: IPv4 and IPv6. Once defined, use the **monitor capture point associate** command to associate the capture point with a capture buffer. Use the **monitor capture point start** command to start packet capture.

Examples The following example shows how to define the capture point test01 to capture UDP packets in both ingress direction:

Device# monitor capture buffer buff01 Device# monitor capture point udp test01 in filter ipv4

Device# monitor capture point associate test01 buff01 Device# monitor capture point start test01

Examples

The following example shows a sample output with capture point test01, buffer point buff01, and IPv4 inbound filter for capturing UDP packets:

Device# show monitor capture point test01

Status Information for Capture Point test01 UDP Process Switch Path: UDP Process, Capture Buffer: buff01 Status : Active

Configuration: monitor capture point udp test04 in filter ipv4

Related Commands

Command	Description
monitor capture buffer	Configures a capture buffer to capture packet data.
monitor capture point associate	Associates a monitor capture point with a capture buffer.
monitor capture point start	Enables a monitor capture point to start capturing packet data.
show monitor capture	Displays the contents of a capture buffer or a capture point.

monitor capture start

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To start the capture of packet data at a traffic trace point into a buffer, use the **monitor capture start** command in privileged EXEC mode.

monitor capture capture-name start

Syntax Description	capture-name	Name of the capture.	
]
Command Default	Data packets are not captured into a buf	fer.	
Command Modes	Privileged EXEC (#)		
Command History	Release	Modification	
	Cisco IOS XE Release 3.7S	This command was introduced.	
osage Guidennes	To stop the capture of packet data, use the Ensure that system resources such as CI	The monitor capture stop command. PU and memory are available before starting a capture.	lefined.
	Ensure that system resources such as CI	PU and memory are available before starting a capture.	
Examples	The following example shows how to st	art capture buffer contents:	
	Device> enable Device# monitor capture mycap start Device# monitor capture mycap export tftp://10.1.88.9/mycap.pcap Device# monitor capture mycap limit packets 100 duration 60 Device# monitor capture mycap start Device# end		
Related Commands]
nonatou ooninnalius	Command	Description	
	monitor capture stop	Stops the packet data capture.	
	show monitor capture	Displays packet capture details.	

monitor capture stop

To stop the capture of packet data at a traffic trace point, use the **monitor capture stop** command in privileged EXEC mode.

monitor capture capture-name stop

Syntax Description	capture-name	Name of	the capture.
Command Default	The packet data capture is ongoing.		
Command Modes	Privileged EXEC (#)		
Command History	Release	Modificatio	n
	Cisco IOS XE Release 3.7S	This comma	and was introduced.
Usage Guidelines	Use the monitor capture start command monitor capture start command. You ca the linear buffer is full, data capture stops from the beginning and the data is overw	to start the capture of n configure two types automatically. When t ritten.	packet data that you started by using the of capture buffers: linear and circular. When the circular buffer is full, data capture starts
Examples	The following example shows how to sto	p capture buffer conter	nts:
	Device> enable Device# monitor capture mycap stop Device# end		
Related Commands	Command	Descripti	ion
	monitor capture start	Starts the	e packet data capture.
	show monitor capture	Displays	packet capture details.

show monitor capture

To display the contents of a monitor capture buffer or a capture point, use the **show monitor capture** command in privileged EXEC mode.

show monitor capture {buffer {capture-buffer-name [parameters]| all parameters| merged
capture-buffer-name1 capture-buffer-name2} [dump] [filter filter-parameters]} | point {all |
capture-point-name}}

Catalyst 6500 Series and Cisco 7600 Series

show monitor capture[buffer [start-index [end-index]] [brief [acl {acl-list| exp-acl-list}] | detail][dump
[nowrap dump-length]] {acl-list exp-acl-list} | status]

Cisco ASR 1000 Series Aggregation Services Routers

show monitor capture [capture-name [parameter | buffer [brief | detailed | dump]]]]

Syntax Description

buffer	Displays the contents of the specified capture buffer.
capture-buffer-name	Name of the capture buffer.
parameters	(Optional) Displays values of parameters for the specified buffers or all buffers.
all	Displays values of parameters for all buffers.
merged	Displays values of parameters for any two specified buffers specified.
capture-buffer-name1	Name of the first buffer to be merged.
capture-buffer-name2	Name of the second buffer to be merged.
dump	(Optional) Displays a hexadecimal dump of the captured packet in addition to the metadata.
filter	(Optional) Displays filter parameters configured for packets stored in the buffer.

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filter-parameters	(Optional) Displays the value of the specified parameter applied for defining the filter. Any of the following parameters can be specified:
	• direction {ingress egress}—Filters output based on direction. Two types of direction can be specified: ingress, egress.
	• input-interface <i>interface-type number</i> —Filters packets on an input interface.
	• I3protocol —Filters packets with specific Layer 3 protocol. Three types of Layer 3 protocols that can be specified are as follows: IPV4 , IPV6 , MPLS .
	• output-interface <i>interface-type number</i> —Filters packets on an output interface.
	• pak-size <i>minimum-size maximum-size</i> —Filters output based on packet size. The minimum and maximum size for the packets must be specified. The range for the minimum size is from 1 to 2147483647 and for the maximum size is from 23 to 2147483647.
	• time <i>hh:mm day month</i> duration <i>seconds</i> —Filters packets from a specific date and time. The time is in the hh:mm format. The day, month of the year, and duration (in seconds) must be specified. The range for duration is from 1 to 2147483647.
point	Displays the contents of the specified capture point.
all	Displays all parameters for all the capture points.
capture-point-name	Displays all parameters for the specified capture point.
start-index	(Optional) The source index. The range is from 1 to 4294967295.
end-index	(Optional) The destination index. The range is from 1 to 4294967295.
brief	(Optional) Provides a brief output of the captured packet information.
acl	(Optional) Displays the output of captured packets for the specified access control list (ACL) only.

acl-list	(Optional) The IP access list (standard or extended). The range is from 0 to 199.
exp-acl-list	(Optional) The IP expanded access list (standard or extended). The range is from 1300 to 2699.
detail	(Optional) Provides a detailed output of the captured packet information.
dump	(Optional) Specifies the hexadecimal dump of the captured packets.
nowrap	(Optional) Prevents wrapping of the display output.
dump-length	(Optional) The hexadecimal dump length of the captured packets. The range is from 14 to 256.
status	(Optional) Displays the capture status.
parameter	Reconstructs and displays EXEC commands that were used to specify the capture.
detailed	Provides a detailed output of the captured packet information.

Command Modes Privileged EXEC (#)

Command History	Release	Modification
	12.4(20)T	This command was introduced.
	12.2(33)SXI	This command was integrated into Cisco IOS Release 12.2(33)SXI on Catalyst 6500 series routers.
	12.2(33)SRD	This command was integrated into Cisco IOS Release 12.2(33)SRD on Cisco 7600 series routers.
	12.2(33)SRE	This command was integrated into Cisco IOS Release 12.2(33)SRE.
	Cisco IOS XE Release 3.7S	This command was integrated into Cisco IOS XE Release 3.7S.

Usage Guidelin

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Note

The availability of keywords depends on your system and platform.

Examples

If you are using Cisco 6500 series routers or Cisco 7600 series routers, refer to the following usage guidelines:

You can enter the **show monitor capture** command when the capture buffer is not in the running state. You can enter the **show monitor capture status** command even when the capture is enabled to see how many packets are captured.

If you enter the **show monitor capture** command without any keywords or arguments, the output displays the configuration. If you enter the **dump nowrap** keywords, one hexadecimal line is printed per packet. Up to 72 characters of packet bytes is dumped.

If you enter the **dump nowrap** *dump-length* keywords and argument value, the specified length of bytes per line is dumped. If you enter the **brief** keyword, only the Source IP Address, Destination IP Address, Source Port, Destination Port, and Protocol fields are displayed along with the packet length and item number.

If you enter the **detail** keyword, packets are decoded to the Layer 4 protocol level and displayed. If you enter the **dump** keyword, non-IP packets are displayed in hexadecimal dump format. An ACL can be configured as a display filter so that only packets permitted by the ACL are displayed.

The following example shows how to display all parameters for all capture buffers:

Device# show monitor capture buffer all parameters

```
Capture buffer buff (circular buffer)
Buffer Size : 262144 bytes, Max Element Size : 68 bytes, Packets : 0
Allow-nth-pak : 0, Duration : 0 (seconds), Max packets : 0, pps : 0
Associated Capture Points:
Configuration:
monitor capture buffer buff circular
Capture buffer buff1 (linear buffer)
Buffer Size : 262144 bytes, Max Element Size : 68 bytes, Packets : 0
Allow-nth-pak : 0, Duration : 0 (seconds), Max packets : 0, pps : 0
Associated Capture Points:
Configuration:
```

The table below describes the significant fields shown in the display.

Field	Description
Buffer Size	Size of the buffer defined.
Max Element Size	Specifies the maximum packet size based on which output has been filtered.
Allow-nth-pak	Specifies that every <i>n</i> th packet in the captured data through the buffer is allowed.
Associated Capture Points	Specifies all capture points that are associated with capture buffers.

Table 1: show monitor capture Field Descriptions

The following sample output displays a hexadecimal dump of the captured packet. The output is self-explanatory and contains the interface type, switching path of the specified buffer, and a hexadecimal dump for the specified buffer.

Device# show monitor capture buffer pktrace1 dump

11:13:00.593 EDT Mar 21 2007 : IPv4 Turbo : Fa2/1 Fa0/1 65B6F500: 080020A2 44D90009 E94F8406 08004500 .. "DY..iO....E. 65B6F510: 00400F00 0000FE01 92AF5801 13025801 .@....~../X...X. 65B6F520: 58090800 4D1A1169 00000000 0005326C X....M...i......21 65B6F530: 01CCABCD ABCDABCD ABCDABCD ABCDABCD .T.+M+M+M+M+M+M+M 65B6F540: ABCDABCD ABCDABCD ABCDABCD ABCD00 +M+M+M+M+M+M+M. 11:13:20.593 EDT Mar 21 2007 : IPv4 Turbo : Fa2/1 Fa0/1 65B6F500: 080020A2 44D90009 E94F8406 08004500 .. "DY...iO....E. 65B6F510: 00400F02 0000FE01 92AD5801 13025801 .@....~...X. 65B6F520: 58090800 FEF91169 00000000 0005326C X...~y.i....21 65B6F530: 4FECABCD ABCDABCD ABCDABCD ABCDABCD Ol+M+M+M+M+M+M 65B6F540: ABCDABCD ABCDABCD ABCDABCD ABCDFF +М+М+М+М+М+М.

The following sample output displays all capture points:

Device# show monitor capture point all

```
Status Information for Capture Point ipceffa0/1
IPv4 CEF
Switch Path: IPv4 CEF, Capture Buffer: pktracel
Status : Inactive
Configuration:
monitor capture point ip cef ipceffa0/1 FastEthernet0/1 both
Status Information for Capture Point local
IPv4 CEF
Switch Path: IPv4 From Us, Capture Buffer: None
Status : Inactive
The table below describes the significant fields shown in the display.
```

Table 2: show monitor capture point all Field Descriptions

Field	Description
IPv4 CEF	Specifies that the capture point contains IPv4 Cisco Express Forwarding (formerly known as CEF) packets.
Switch Path	Indicates the type of switching path used by the capture point.
Capture Buffer	Specifies the name of the configured capture buffer.
Status	Indicates the status of the capture point.

Examples

The following example shows how to display the captured packets in a specific access control list (ACL):

Device# show monitor capture buffer acl 1

The table below describes the significant fields shown in the display.

Table 3: show monitor capture buffer acl Field Descriptions

Field	Description
session status	Indicates the status of the capture session.
rate-limit value	Specifies the rate at which packets are captured, in bytes per second.
buffer-size	Specifies the capture buffer size, in bytes.
capture state	Indicates the status of the capture buffer.
capture mode	Indicates the shape of the capture buffer.
capture length	Specifies the length of the capture buffer.

The following sample output from the **show monitor capture buffer** command displays all packets in a capture buffer. The output is self-explanatory.

Device# show monitor capture buffer

1 IP: s=10.12.0.5 , d=209.165.200.225, len 60
2 346 0180.c200.000e 0012.44d8.5000 88CC 020707526F7
3 60 0180.c200.0000 0004.c099.06c5 0026 42420300000
4 60 ffff.ffff.ffff 0012.44d8.5000 0806 00010800060
5 IP: s=10.12.0.7 , d=209.165.200.225, len 116
6 IP: s=10.12.0.1 , d=209.165.200.250, len 60
The following example charge hour to display models that are defined as the target of t

The following example shows how to display packets that are decoded to the layer 4 protocol level. The output is self-explanatory.

Device# show monitor capture buffer detail

1 Arrival time : 09:44:30 UTC Fri Nov 17 2006
Packet Length : 74 , Capture Length : 68
Ethernet II : 0100.5e00.000a 0008.a4c8.c038 0800
IP: s=10.12.0.5 , d=209.165.200.230, len 60, proto=88
2 Arrival time : 09:44:31 UTC Fri Nov 17 2006
Packet Length : 346 , Capture Length : 68
346 0180.c200.000e 0012.44d8.5000 88cc 020707526F757463031
The following example shows how to display non-IP packets in hexadecimal dump format. The output is
self-explanatory.

Device# show monitor capture buffer dump

0806FCE0: 04040404 00000000 0000002 00000010 0806FCF0: 455D8A10 FFFF0000 000A1201 0000 E].....

The following example shows how to display one hexadecimal line per packet, with up to 72 characters of packet bytes dumped. The output is self-explanatory.

Device# show monitor capture buffer dump nowrap

1 74 0100.5e00.000a 0008.a4c8.c038 0800 45C0003C00000 2 346 0180.c200.000e 0012.44d8.5000 88CC 020707526F7574 3 60 0180.c200.0000 0004.c099.06c5 0026 4242030000000 4 60 ffff.ffff.ffff 0012.44d8.5000 0806 00010800060400

Examples

The following example shows how to display all the packets in a capture buffer. The output is self-explanatory.

Device# show monitor capture mycap buffer

buffer size (KB) : 2048000 buffer used (KB) : 128 packets in buf : 17 packets dropped : 0 packets per sec : 3

The following example shows how to display the list of commands that were used to specify the capture:

Device# show monitor capture cap1 parameter

```
monitor capture cap1 interface GigabitEthernet 1/0/1 both
monitor capture cap1 match any
monitor capture cap1 buffer size 10
monitor capture cap1 limit pps 1000
ba following average how to display brief output from the capt
```

The following example shows how to display brief output from the captured packet information. The output is self-explanatory.

Device# show monitor capture cap1 buffer brief

#	size	timestamp	source		destination	protocol
0	62	0.00000	10.0.0.1	->	203.0.113.254	UDP
1	46	0.267992	10.0.1.2	->	203.0.113.204	IGMP
2	76	0.428979	172.16.255.3	->	172.16.255.3	UDP
3	62	1.613982	10.0.29.1	->	172.16.200.2	UDP
4	74	1.659970	10.0.1.3	->	10.0.0.10	EIGRP
5	90	2.016006	10.29.0.4	->	203.0.113.224	UDP
6	74	2.088008	10.1.9.2	->	203.0.113.10	EIGRP
7	76	2.114008	172.17.254.1	->	172.16.255.1	UDP
8	74	2.245990	10.29.0.3	->	203.0.113.10	EIGRP
9	46	2.262987	10.0.0.0	->	203.0.113.1	IGMP
10	77	2.362988	10.1.9.2	->	203.0.113.10	EIGRP
11	62	2.631971	10.29.0.2	->	203.0.113.2	UDP
12	74	2.934009	10.29.0.5	->	203.0.113.10	EIGRP
13	74	3.331984	10.29.0.6	->	203.0.113.10	EIGRP
14	46	3.499974	10.0.0.0	->	203.0.113.1	IGMP
15	46	4.304992	10.0.0.0	->	203.0.113.1	IGMP
16	76	5.157005	172.16.255.3	->	172.17.255.3	UDP

The following example shows how to display all the packets in a capture buffer. The output is self-explanatory.

Device# show monitor capture cap1 buffer detailed

#	size	timestamp	source	Ċ	lestination	protocol
_	0 62	0.000000	10.29.0.2	->	172.16.255.	3 UDP
	0000: 0	1005E00 0002	0000 0C07AC1D	080045C0	^	E.

0010: 00300000 00000111 CFDC091D 0002E000 .0.... 0020: 000207C1 07C1001C 802A0000 10030AFA * 0030: 1D006369 73636F00 0000091D 0001 ..example..... 0.267992 46 10.0.0.0 172.16.255.1 IGMP 1 -> 0000: 01005E00 0002001B 2BF69280 080046C0 $\dots^{\wedge}\dots\dots+\dots$ F. 0010: 00200000 00000102 44170000 0000E000D..... 0020: 00019404 00001700 E8FF0000 0000 2 0.428979 172.16.255.3 -> 172.17.255.3 UDP 76\$..E. 0000: 00000C07 AC1DB414 89031124 080045C0 0010: 003E0000 0000FF11 64C5AC10 FF03AC11 .>....d..... 0020: FF030286 0286002A 84A40001 001EAC10 * 0030: FF030000 01000014 00000000 04000004 172.16.255.1 UDP 3 62 1.613982 10.26.11.3 -> 0000: 01005E00 0002001B 2BF68680 080045C0 ..^...+...E. 0010: 00300000 00000111 CFDB091D 0003E000 0020: 000207C1 07C1001C 88B50000 08030A6E .0....n 0030: 1D006369 73636F00 0000091D 0001 ..example..... 74 1.659970 10.29.3.2 172.16.255.2 EIGRP 4 ->
 10000:
 01005E00
 000A001B
 2BF69280
 080045c0

 0010:
 003C0000
 00000258
 CE81091D
 0002E000

 0020:
 000A0205
 F3000000
 00000000
 00000000

 0030:
 00000000
 00D10001
 000c0100
 01000000
 ..^...E. .<....X..... 203.0.113.1 5 90 2.016006 10.22.1.4 UDP -> 0000: FFFFFFF FFFF001C 0F2EDC00 080045C0E. 0010: 004C0000 00000111 AFC1091D 0004FFFF .L.... 0020: FFFF007B 007B0038 5B14E500 06E80000 0030: 0000021 BE23494E 49540000 0000000 ...{.{. ...!.#INIT..... The following example shows how to display a hexadecimal dump of the captured packet:

Device# show monitor capture cap1 buffer dump 0

0					
0000: 0010: 0020: 0030:	01005E00 00300000 000207C1 1D006369	00020000 00000111 07C1001C 73636F00	0C07AC1D CFDC091D 802A0000 0000091D	080045C0 0002E000 10030AFA 0001	^E. .0* example
1					
0000:	01005E00	0002001B	2BF69280	080046C0	$\dots^{\wedge}\dots\dots+\dots\dots F.$
0010:	00200000	00000102	44170000	0000E000	D
0020:	00019404	00001700	E8FF0000	0000	
2					
0000:	01005E00	0002001B	2BF68680	080045C0	^
0010:	00300000	00000111	CFDB091D	0003E000	.0
0020:	000207C1	07C1001C	88B50000	08030A6E	n
0030:	1D006369	73636F00	0000091D	0001	example
3					
0000:	01005E00	000A001C	0F2EDC00	080045C0	^E.
0010:	003C0000	00000258	CE7F091D	0004E000	. <x< td=""></x<>
0020:	000A0205	F3000000	00000000	00000000	
0030:	00000000	00D10001	000C0100	01000000	
0040:	000F0004	00080501	0300		

Related Commands

Command	Description		
debug packet-capture	Enables packet capture infra debugs.		
monitor capture	Enables and configures monitor packet capturing.		
monitor capture buffer	Configures a buffer to capture packet data.		

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Command	Description
monitor capture point	Defines a monitor capture point and associates it with a capture buffer.

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