



C Commands

This chapter describes the Cisco NX-OS multicast routing commands that begin with C.

clear ip igmp event-history

To clear information in the IGMP event history buffers, use the **clear ip igmp event-history** command.

```
clear ip igmp event-history {cli | debugs | errors | events | ha | igmp-internal | msgs | mtrace |
policy | statistics | vrf}
```

Syntax Description

cli	Clears the CLI event history buffer.
debugs	Clears the debug event history buffer.
events	Clears the event history buffer.
ha	Clears the HA event history buffer.
igmp-internal	Clears the IGMP internal event history buffer.
msgs	Clears the messages event history buffer.
mtrace	Clears the mtrace event history buffer.
policy	Clears the policy event history buffer.
statistics	Clears the statistics event history buffer.
vrf	Clears the VRF event history buffer.

Defaults

None

Command Modes

Any command mode

Supported User Roles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.1(2)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to clear information in the IGMP HA event history buffer:

```
switch(config)# clear ip igmp event-history ha
switch(config)#
```

Related Commands

Command	Description
ip igmp event-history	Configures the size of the IGMP event history buffers.

clear ip igmp groups

To clear IGMP-related information in the IPv4 multicast routing table, use the **clear ip igmp groups** command.

```
clear ip igmp groups [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description		
	*	Specifies all routes.
	<i>group-prefix</i>	Group prefix.
	<i>group</i>	Group address.
	<i>source</i>	(Optional) Source (S, G) route.
	vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.
	<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
	all	Specifies all VRFs.

Defaults None

Command Modes Any command mode

Supported User Roles

- network-admin
- network-operator
- vdc-admin
- vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines

The **clear ip igmp route** command is an alternative form of this command.

This command does not require a license.

Examples This example shows how to clear all the IGMP-related routes in the IPv4 multicast routing table:

```
switch(config)# clear ip igmp groups *
switch(config)#
```

Related Commands

Command	Description
clear ip igmp route	Clears IGMP-related information in the IPv4 multicast routing table.
show ip mroute	Displays information about the IPv4 multicast routing table.

clear ip igmp interface statistics

To clear the IGMP statistics for an interface, use the **clear ip igmp interface statistics** command.

clear ip igmp interface statistics [*if-type if-number*]

Syntax Description	<i>if-type</i>	(Optional) Interface type. For more information, use the question mark (?) online help function.
	<i>if-number</i>	(Optional) Interface or subinterface number. For more information about the numbering syntax for your networking device, use the question mark (?) online help function.
Defaults	None	
Command Modes	Any command mode	
Supported User Roles	network-admin network-operator vdc-admin vdc-operator	
Command History	Release	Modification
	4.0(3)	This command was introduced.
Usage Guidelines	This command does not require a license.	
Examples	This example shows how to clear IGMP statistics for an interface: <pre>switch# clear ip igmp interface statistics ethernet 2/1 switch#</pre>	
Related Commands	Command	Description
	show ip igmp interface	Displays information about IGMP interfaces.

clear ip igmp route

To clear IGMP-related information in the IPv4 multicast routing table, use the **clear ip igmp route** command.

```
clear ip igmp route { * | group-prefix | group [source] } [vrf { vrf-name | all }]
```

Syntax Description		
	*	Specifies all routes.
	<i>group-prefix</i>	Group prefix.
	<i>group</i>	Group address.
	<i>source</i>	(Optional) Source (S, G) route.
	vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.
	<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
	all	Specifies all VRFs.

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines The **clear ip igmp groups** command is an alternative form of this command. This command does not require a license.

Examples This example shows how to clear all the IGMP-related routes in the IPv4 multicast routing table:

```
switch(config)# clear ip igmp route *
switch(config)#
```

clear ip igmp route**Related Commands**

Command	Description
clear ip igmp groups	Clears IGMP-related information in the IPv4 multicast routing table.
show ip mroute	Displays information about the IPv4 multicast routing table.

clear ip igmp snooping event-history

To clear information from IGMP snooping event history buffers, use the **clear ip igmp snooping event-history** command.

```
clear ip igmp snooping event-history { vpc | igmp-snoop-internal | mfdm | mfdm-sum | vlan |
vlan-events }
```

Syntax Description	Option	Description
	vpc	Clears the virtual port channel (vPC) event history buffer.
	igmp-snoop-internal	Clears the IGMP snooping internal event history buffer.
	mfdm	Clears the multicast FIB distribution (MFDM) event history buffer.
	mfdm-sum	Clears the MFDM sum event history buffer.
	vlan	Clears the VLAN event history buffer.
	vlan-events	Clears the VLAN-events event history buffer.

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear information in the IGMP snooping VLAN event history buffer:

```
switch(config)# clear ip igmp event-history vlan
switch(config)#
```

Related Commands	Command	Description
	ip igmp snooping event-history	Configures the size of the IGMP snooping event history buffers.

clear ip igmp snooping statistics vlan

To clear the IGMP snooping statistics for VLANs, use the **clear ip igmp snooping statistics vlan** command.

```
clear ip igmp snooping statistics vlan {vlan-id | all}
```

Syntax Description	
<i>vlan-id</i>	VLAN number. The range is from 1 to 3967 and 4048 to 4093.
all	Applies to all VLANs.

Defaults	None
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Command Modes	Any command mode
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Supported User Roles	network-admin network-operator vdc-admin vdc-operator
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Command History	Release	Modification
	4.0(1)	This command was introduced.
	4.0(3)	The all keyword was added.

Usage Guidelines	This command does not require a license.
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Examples	This example shows how to clear IGMP snooping statistics for VLAN 1:
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```
switch# clear ip igmp snooping statistics vlan 1  
switch#
```

Related Commands	Command	Description
	show ip igmp snooping statistics vlan	Displays IGMP snooping statistics by VLAN.

clear ip mroute

To clear the multicast routing table, use the **clear ip mroute** command.

```
clear ip mroute [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description		
*	Specifies all routes.	
<i>group-prefix</i>	Group prefix.	
<i>group</i>	Group address.	
<i>source</i>	(Optional) Source (S, G) route.	
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.	
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.	
all	Displays information for all VRFs.	

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.0(3)	This command was introduced.

Usage Guidelines The **clear routing multicast** command is an alternative form of this command. This command does not require a license.

Examples This example shows how to clear the multicast routing table:

```
switch(config)# clear ip mroute *
switch(config)#
```

Related Commands	Command	Description
	clear routing multicast	Clears the multicast routing table
	show ip mroute	Displays information about the multicast routing table.

clear ip msdp event-history

To clear information in the Multicast Source Discovery Protocol (MSDP) event history buffers, use the **clear ip msdp event-history** command.

clear ip msdp event-history

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear information in the MSDP event history buffers:

```
switch(config)# clear ip msdp event-history
switch(config)#
```

Related Commands	Command	Description
	ip msdp event-history	Configures the size of the MSDP event history buffers.
	show ip msdp event-history	Displays information in the MSDP event history buffers.

clear ip msdp peer

To clear a TCP connection to Multicast Source Discovery Protocol (MSDP) peers, use the **clear ip msdp peer** command.

```
clear ip msdp peer peer-address [vrf vrf-name]
```

Syntax Description	
<i>peer-address</i>	IP address of MSDP peer.
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance name.
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

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

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear a TCP connection to an MSDP peer:

```
switch# clear ip msdp peer 192.168.1.10
switch#
```

Related Commands	Command	Description
	show ip msdp peer	Displays information about MSDP peers.

clear ip msdp policy statistics sa-policy

To clear the Source-Active (SA) policy for Multicast Source Discovery Protocol (MSDP) peers, use the **clear ip msdp policy statistics sa-policy** command.

```
clear ip msdp policy statistics sa-policy peer-address {in | out} [vrf vrf-name]
```

Syntax Description		
<i>peer-address</i>		IP address of the MSDP peer for the SA policy.
in		Specifies the input policy.
out		Specifies the output policy.
vrf		(Optional) Applies to a virtual routing and forwarding (VRF) instance name.
<i>vrf-name</i>		(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.

Defaults	
	None

Command Modes	
	Any command mode

Supported User Roles	
	network-admin network-operator vdc-admin vdc-operator

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

Usage Guidelines	
	This command requires the Enterprise Services license.

Examples	
	This example shows how to clear an SA policy for an MSDP peer:

```
switch# clear ip msdp policy statistics sa-policy
switch#
```

Related Commands	Command	Description
	show ip msdp peer	Displays information about MSDP peers.

clear ip msdp route

To clear routes matching group entries in the Multicast Source Discovery Protocol (MSDP) Source-Active (SA) cache, use the **clear ip msdp route** command.

```
clear ip msdp route [group] [vrf {vrf-name | all}]
```

Syntax Description		
<i>group</i>	(Optional)	All sources for group from the SA-cache.
vrf	(Optional)	Applies to a virtual routing and forwarding (VRF) instance.
<i>vrf-name</i>	(Optional)	VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
all		Applies to all VRFs.

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.0(1)	This command was introduced.
	4.0(3)	This command was removed.

Usage Guidelines You can also use the **clear ip msdp sa-cache** command for the same function. This command requires the Enterprise Services license.



Note

Effective with Cisco NX-OS Release 4.0(3), the **clear ip msdp route** command is not available in Cisco NX-OS software.

Examples This example shows how to clear the MSDP SA cache:

```
switch# clear ip msdp route
switch#
```

■ clear ip msdp route

Related Commands

Command	Description
clear ip msdp sa-cache	Clears the MSDP SA cache.

clear ip msdp sa-cache

To clear routes matching group entries in the Multicast Source Discovery Protocol (MSDP) Source-Active (SA) cache, use the **clear ip msdp sa-cache** command.

```
clear ip msdp sa-cache [group] [vrf {vrf-name | all}]
```

Syntax Description	
<i>group</i>	(Optional) All sources for group from the SA-cache.
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
all	Applies to all VRFs.

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.0(1)	This command was introduced.
	4.0(3)	This command was removed.

Usage Guidelines You can also use the **clear ip msdp route** command for the same function. This command requires the Enterprise Services license.



Note

Effective with Cisco NX-OS Release 4.0(3), the **clear ip msdp route** command is not available in Cisco NX-OS software.

Examples This example shows how to clear the MSDP SA cache:

```
switch# clear ip msdp sa-cache
switch#
```

clear ip msdp sa-cache**Related Commands**

Command	Description
clear ip msdp route	Clears the MSDP SA cache.
show ip msdp sa-cache	Displays route information in the MSDP Source-Active cache.

clear ip msdp statistics

To clear statistics for Multicast Source Discovery Protocol (MSDP) peers, use the **clear ip msdp statistics** command.

```
clear ip msdp statistics [peer-address] [vrf vrf-name]
```

Syntax Description	
<i>peer-address</i>	(Optional) IP address of the MSDP peer.
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance name.
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.

Defaults None

Command Modes Any command mode

Supported User Roles
 network-admin
 network-operator
 vdc-admin
 vdc-operator

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

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear MSDP statistics for all MSDP peers:

```
switch# clear ip msdp statistics
switch#
```

Related Commands	Command	Description
	show ip msdp peer	Displays information about MSDP peers.

clear ip pim event-history

To clear information in the IPv4 Protocol Independent Multicast (PIM) event history buffers, use the **clear ip pim event-history** command.

clear ip pim event-history

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear information in the PIM event history buffers:

```
switch(config)# clear ip pim event-history
switch(config)#
```

Related Commands	Command	Description
	ip pim event-history	Configures the size of the PIM event history buffers.
	show ip pim event-history	Displays information in the PIM event history buffers.

clear ip pim interface statistics

To clear Protocol Independent Multicast (PIM) counters for a specified interface, use the **clear ip pim interface statistics** command.

```
clear ip pim interface statistics [if-type if-number]
```

Syntax Description		
<i>if-type</i>	(Optional) Interface type. For more information, use the question mark (?) online help function.	
<i>if-number</i>	(Optional) Interface or subinterface number. For more information about the numbering syntax for your networking device, use the question mark (?) online help function.	

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.0(1)	This command was introduced.
	4.0(3)	The interface argument was made optional.

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear the PIM counters for a specified interface:

```
switch# clear ip pim interface statistics ethernet 2/1
switch#
```

Related Commands	Command	Description
	show ip pim statistics	Displays PIM statistics.

clear ip pim policy statistics

To clear Protocol Independent Multicast (PIM) policy counters, use the **clear ip pim policy statistics** command.

```
clear ip pim policy statistics {jp-policy | neighbor-policy} if-type if-number
```

```
clear ip pim policy statistics {register-policy | bsr {bsr-policy | rp-candidate-policy} | auto-rp
{rp-candidate-policy | mapping-agent-policy}} [vrf {vrf-name | all}]
```

Syntax Description

jp-policy	Specifies statistics for the join-prune policy.
neighbor-policy	Specifies statistics for the neighbor policy.
<i>if-type</i>	Interface type. For more information, use the question mark (?) online help function.
<i>if-number</i>	Interface or subinterface number. For more information about the numbering syntax for your networking device, use the question mark (?) online help function.
register-policy	Specifies statistics for the register policy.
bsr	Specifies the bootstrap protocol RP-distribution policy.
bsr-policy	Specifies the statistics for BSR messages.
rp-candidate-policy	Specifies the statistics for RP candidate messages.
auto-rp	Specifies the statistics for Auto-RP messages.
mapping-agent-policy	Specifies the statistics for mapping agent messages.
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
all	Specifies all VRFs.

Defaults

None

Command Modes

Any command mode

Supported User Roles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear PIM register policy counters:

```
switch# clear ip pim policy statistics register-policy
switch#
```

Related Commands

Command	Description
<code>show ip pim policy statistics</code>	Displays PIM policy statistics.

clear ip pim route

To clear routes specific to Protocol Independent Multicast for IPv4 (PIM), use the **clear ip pim route** command.

```
clear ip pim route [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description		
*	Specifies all routes.	
<i>group-prefix</i>	Group prefix.	
<i>group</i>	Group address.	
<i>source</i>	(Optional) Source (S, G) route.	
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.	
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.	
all	Specifies all VRFs.	

Defaults None

Command Modes Any command mode

Supported User Roles

- network-admin
- network-operator
- vdc-admin
- vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear all the routes specific to PIM:

```
switch(config)# clear ip pim route *
switch(config)#
```

Related Commands	Command	Description
	show ip pim route	Displays information about PIM specific routes.

clear ip pim statistics

To clear Protocol Independent Multicast (PIM) statistics counters, use the **clear ip pim statistics** command.

```
clear ip pim statistics [vrf {vrf-name | all}]
```

Syntax Description	Parameter	Description
	vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.
	<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
	all	Specifies all VRFs.

Defaults None

Command Modes Any command mode

Supported User Roles

- network-admin
- network-operator
- vdc-admin
- vdc-operator

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

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear PIM statistics counters:

```
switch# clear ip pim statistics
switch#
```

Related Commands	Command	Description
	show ip pim statistics	Displays PIM statistics.

clear ip routing multicast event-history

To clear information in the IPv4 Multicast Routing Information Base (MRIB) event history buffers, use the **clear ip routing multicast event-history** command.

clear ip routing multicast event-history {cli | mfdm | mfdm-stats | rib | vrf}

Syntax	Description
cli	Clears the CLI event history buffer.
mfdm	Clears the multicast FIB distribution (MFDM) event history buffer.
mfdm-stats	Clears the MFDM sum event history buffer.
rib	Clears the RIB event history buffer.
vrf	Clears the virtual routing and forwarding VRF event history buffer.

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear information in the MRIB RIB event history buffer:

```
switch(config)# clear ip routing multicast event-history rib
switch(config)#
```

Related Commands	Command	Description
	ip routing multicast event-history	Configures the size of the IPv4 MRIB event history buffers.
	show routing ip multicast event-history	Displays information in the IPv4 MRIB event history buffers.

clear ipv6 mld groups

To clear Multicast Listener Discovery (MLD) related information in the IPv6 multicast routing table, use the **clear ipv6 mld groups** command.

```
clear ipv6 [icmp] mld groups [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description		
icmp	(Optional) clears ICMP information.	
*	Specifies all routes.	
<i>group-prefix</i>	Group prefix.	
<i>group</i>	Group address.	
<i>source</i>	(Optional) Source (S, G) route.	
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.	
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.	
all	Specifies all VRFs.	

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines The **clear ipv6 mld route** command is an alternative form of this command. This command does not require a license.

Examples This example shows how to clear all the MLD-related routes in the IPv6 multicast routing table:

```
switch(config)# clear ipv6 mld groups *
switch(config)#
```

■ clear ipv6 mld groups

Related Commands

Command	Description
show ipv6 mroute	Displays information about the IPv6 multicast routing table.

clear ipv6 mld route

To clear Multicast Listener Discovery MLD-related information in the IPv6 multicast routing table, use the **clear ipv6 mld route** command.

```
clear ipv6 [icmp] mld route [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description		
icmp	(Optional) Clears ICMPv6 information.	
*	Specifies all routes.	
<i>group-prefix</i>	Group prefix.	
<i>group</i>	Group address.	
<i>source</i>	(Optional) Source (S, G) route.	
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.	
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.	
all	Specifies all VRFs.	

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines The **clear ipv6 mld groups** command is an alternative form of this command. This command does not require a license.

Examples This example shows how to clear all the MLD-related routes in the IPv6 multicast routing table:

```
switch(config)# clear ipv6 mld route *
switch(config)#
```

■ `clear ipv6 mld route`

Related Commands

Command	Description
<code>show ipv6 mroute</code>	Displays information about the IPv6 multicast routing table.

clear ipv6 mroute

To clear routes in the IPv6 multicast routing table, use the **clear ipv6 mroute** command.

```
clear ipv6 mroute [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description		
*	Specifies all routes.	
<i>group-prefix</i>	Group prefix.	
<i>group</i>	Group address.	
<i>source</i>	(Optional) Source (S, G) route.	
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.	
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.	
all	Specifies all VRFs.	

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.0(3)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear all the routes in the IPv6 multicast routing table:

```
switch(config)# clear ipv6 mroute *
switch(config)#
```

Related Commands	Command	Description
	show ipv6 mroute	Displays information about the IPv6 multicast routing table.

clear ipv6 pim event-history

To clear information in the IPv6 Protocol Independent Multicast (PIM6) event history buffers, use the **clear ipv6 pim event-history** command.

clear ipv6 pim event-history

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear information in the PIM6 event history buffers:

```
switch(config)# clear ipv6 pim event-history
switch(config)#
```

Related Commands	Command	Description
	ipv6 pim event-history	Configures the size of the PIM6 event history buffers.
	show ipv6 pim event-history	Displays information in the PIM6 event history buffers.

clear ipv6 pim interface statistics

To clear Protocol Independent Multicast for IPv6 (PIM6) counters for a specified interface, use the **clear ipv6 pim interface statistics** command.

```
clear ipv6 pim interface statistics [if-type if-number]
```

Syntax Description		
<i>if-type</i>	(Optional) Interface type. For more information, use the question mark (?) online help function.	
<i>if-number</i>	(Optional) Interface or subinterface number. For more information about the numbering syntax for your networking device, use the question mark (?) online help function.	

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.0(1)	This command was introduced.
	4.0(3)	The interface argument was made optional.

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear PIM6 counters for a specified interface:

```
switch# clear ipv6 pim interface statistics ethernet 2/2
switch#
```

Related Commands	Command	Description
	show ipv6 pim statistics	Displays PIM6 statistics.

clear ipv6 pim policy statistics

To clear Protocol Independent Multicast for IPv6 (PIM6) policy counters, use the **clear ipv6 pim policy statistics** command.

```
clear ipv6 pim policy statistics {jp-policy | neighbor-policy} if-type if-number
```

Syntax Description		
	jp-policy	Specifies the statistics for join-prune policy.
	neighbor-policy	Specifies the statistics for neighbor policy.
	<i>if-type</i>	Interface type. For more information, use the question mark (?) online help function.
	<i>if-number</i>	Interface or subinterface number. For more information about the numbering syntax for your networking device, use the question mark (?) online help function.

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

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

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear PIM6 join-prune policy counters:

```
switch(config)# clear ipv6 pim policy statistics jp-policy
```

Related Commands	Command	Description
	show ipv6 pim policy statistics	Displays PIM6 policy statistics.

clear ipv6 pim route

To clear routes specific to Protocol Independent Multicast for IPv6 (PIM6), use the **clear ipv6 pim route** command.

```
clear ipv6 pim route [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description

*	Specifies all routes.
<i>group-prefix</i>	Group prefix.
<i>group</i>	Group address.
<i>source</i>	(Optional) Source (S, G) route.
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
all	Specifies all VRFs.

Defaults

None

Command Modes

Any command mode

Supported User Roles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

Release	Modification
4.1(2)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear all the routes specific to PIM6:

```
switch(config)# clear ipv6 pim route *  
switch(config)#
```

Related Commands

Command	Description
show ipv6 pim route	Displays information about PIM6 specific routes.

clear ipv6 pim statistics

To clear Protocol Independent Multicast for IPv6 (PIM6) statistics counters, use the **clear ipv6 pim statistics** command.

```
clear ipv6 pim statistics [vrf {vrf-name | all}]
```

Syntax Description		
vrf	(Optional)	Applies to a virtual routing and forwarding (VRF) instance.
<i>vrf-name</i>	(Optional)	VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
all		Specifies all VRFs.

Defaults None

Command Modes Any command mode

Supported User Roles network-admin
network-operator
vdc-admin
vdc-operator

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

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear PIM6 statistics counters:

```
switch# clear ipv6 pim statistics
```

Related Commands	Command	Description
	show ipv6 pim statistics	Displays PIM6 statistics.

clear ipv6 routing multicast event-history

To clear information in the IPv6 Multicast Routing Information Base (M6RIB) event history buffers, use the **clear ipv6 routing multicast event-history** command.

```
clear ipv6 routing multicast event-history {cli | mfdm | mfdm-stats | rib | vrf}
```

Syntax Description	cli	Clears the CLI event history buffer.
	mfdm	Clears the multicast FIB distribution (MFDM) event history buffer.
	mfdm-stats	Clears the MFDM sum event history buffer.
	rib	Clears the RIB event history buffer.
	vrf	Clears the virtual routing and forwarding (VRF) event history buffer.

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.1(2)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear information in the M6RIB RIB event history buffer:

```
switch(config)# clear ipv6 routing multicast event-history rib
switch(config)#
```

Related Commands	Command	Description
	ipv6 routing multicast event-history	Configures the size of the IPv6 M6RIB event history buffers.
	show routing ipv6 multicast event-history	Displays information in the IPv6 M6RIB event history buffers.

clear routing ipv6 multicast

To clear the IPv6 multicast routing table, use the **clear routing ipv6 multicast** command.

```
clear routing ipv6 multicast [* | group-prefix | group [source]] [vrf {vrf-name | all}]
```

Syntax Description		
	*	Specifies routes.
	<i>group-prefix</i>	Group prefix.
	<i>group</i>	Group address.
	<i>source</i>	(Optional) Source (S, G) route.
	vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.
	<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.
	all	Specifies all VRFs.

Defaults None

Command Modes Any command mode

Supported User Roles

- network-admin
- network-operator
- vdc-admin
- vdc-operator

Command History	Release	Modification
	4.0(3)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear the IPv6 multicast routing table:

```
switch(config)# clear routing ipv6 multicast *
switch(config)#
```

Related Commands	Command	Description
	show routing ipv6 multicast	Displays information about IPv6 multicast routes.

clear routing multicast

To clear the IPv4 multicast routing table, use the **clear routing multicast** command.

```
clear routing [ip | ipv4] multicast {* | group-prefix | group [source]} [vrf {vrf-name | all}]
```

Syntax Description		
ip	(Optional) Clears IP commands.	
ipv4	(Optional) Clears IPv4 commands.	
*	Specifies all routes.	
<i>group-prefix</i>	Group prefix.	
<i>group</i>	Group address.	
<i>source</i>	(Optional) Source (S, G) route.	
vrf	(Optional) Applies to a virtual routing and forwarding (VRF) instance.	
<i>vrf-name</i>	(Optional) VRF name. The name can be alphanumeric, case sensitive, or a maximum of 32 characters.	
all	Specifies all VRFs.	

Defaults None

Command Modes Any command mode

SupportedUserRoles network-admin
network-operator
vdc-admin
vdc-operator

Command History	Release	Modification
	4.0(3)	This command was introduced.

Usage Guidelines The **clear ip mroute** command is an alternative form of this command.
This command does not require a license.

Examples This example shows how to clear the IPv4 multicast routing table:

```
switch(config)# clear routing multicast *  
switch(config)#
```

■ clear routing multicast

Related Commands	Command	Description
	clear ip mroute	Clears the multicast routing table.
	show routing ip multicast	Displays information about IPv4 multicast routes.