



# C Commands

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

# 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.

**Command Default** None

**Command Modes** Any command mode

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

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

**Usage Guidelines** This command requires the LAN Base Services 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
	<b>ip msdp event-history</b>	Configures the size of the MSDP event history buffers.
	<b>show ip msdp event-history</b>	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 | default | management]
```

Syntax Description	
<i>peer-address</i>	IP address of the MSDP peer.
<b>vrf</b>	(Optional) Clears the virtual routing and forwarding (VRF) instance information.
<i>vrf-name</i>	VRF name. The name can be a maximum of 32 alphanumeric characters and is case sensitive.
<b>default</b>	Specifies that the default VRF entry be cleared from the multicast routing table.
<b>management</b>	Specifies that the management VRF entry be cleared from the multicast routing table.

**Command Default** None

**Command Modes** Any command mode

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

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

**Usage Guidelines** This command requires the LAN Base 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
	<b>show ip msdp peer</b>	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 | default | management]
```

Syntax Description	
<i>peer-address</i>	IP address of the MSDP peer for the SA policy.
<b>in</b>	Specifies the input policy.
<b>out</b>	Specifies the output policy.
<b>vrf</b>	(Optional) Clears the virtual routing and forwarding (VRF) instance information.
<i>vrf-name</i>	VRF name. The name can be a maximum of 32 alphanumeric characters and is case sensitive.
<b>default</b>	(Optional) Specifies that the default VRF entry be cleared from the multicast routing table.
<b>management</b>	(Optional) Specifies that the management VRF entry be cleared from the multicast routing table.

**Command Default** None

**Command Modes** Any command mode

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

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

**Usage Guidelines** This command requires the LAN Base 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



## Note

Effective with Cisco NX-OS Release 4.0(3), the **clear ip msdp route** command is not available in Cisco NX-OS software. [Apolina: Note applies to N7K]

To clear routes that match 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 | group-prefix } [vrf { vrf-name | all | default | management }]
```

## Syntax Description

<b>*</b>	Specifies all sources for the group from the SA cache.
<i>group</i>	Group address in the format <i>A.B.C.D</i> .
<i>group-prefix</i>	Group prefix in the format <i>A.B.C.D/length</i> .
<b>vrf</b>	(Optional) Clears the virtual routing and forwarding (VRF) instance information.
<i>vrf-name</i>	VRF name. The name can be a maximum of 32 alphanumeric characters and is case sensitive.
<b>all</b>	Specifies that all VRF entries be cleared from the SA-cache.
<b>default</b>	Specifies that the default VRF entry be cleared from the SA-cache.
<b>management</b>	Specifies that the management VRF entry be cleared from the SA-cache.

## Command Default

None

## Command Modes

Any command mode

## Supported User Roles

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

## Command History

Release	Modification
6.0(2)N1(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 LAN Base Services license.

## Examples

This example shows how to clear the MSDP SA cache:

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

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**Related Commands**

<b>Command</b>	<b>Description</b>
<b>clear ip msdp sa-cache</b>	Clears the MSDP SA cache.

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# clear ip msdp sa-cache

To clear routes that match 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 | group-prefix } [vrf { vrf-name | all | default | management }]
```

Syntax Description		
	*	Specifies all sources for the group from the SA cache.
	<i>group</i>	Group address in the format <i>A.B.C.D</i> .
	<i>group-prefix</i>	Group prefix in the format <i>A.B.C.D/length</i> .
	<b>vrf</b>	(Optional) Clears the virtual routing and forwarding (VRF) instance information.
	<i>vrf-name</i>	VRF name. The name can be a maximum of 32 alphanumeric characters and is case sensitive.
	<b>all</b>	Specifies that all VRF entries be cleared from the SA-cache.
	<b>default</b>	Specifies that the default VRF entry be cleared from the SA-cache.
	<b>management</b>	Specifies that the management VRF entry be cleared from the SA-cache.

**Command Default** None

**Command Modes** Any command mode

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

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

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

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

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



Related Commands	Command	Description
	<b>clear ip msdp route</b>	Clears the MSDP SA cache.
	<b>show ip msdp sa-cache</b>	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 | default | management]
```

Syntax Description	
<i>peer-address</i>	(Optional) IP address of the MSDP peer.
<b>vrf</b>	(Optional) Clears the virtual routing and forwarding (VRF) instance information.
<i>vrf-name</i>	VRF name. The name can be a maximum of 32 alphanumeric characters and is case sensitive.
<b>default</b>	(Optional) Specifies that the default VRF entry be cleared from the multicast routing table.
<b>management</b>	(Optional) Specifies that the management VRF entry be cleared from the multicast routing table.

**Command Default** None

**Command Modes** Any command mode

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

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

**Usage Guidelines** This command requires the LAN Base 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
	<b>show ip msdp peer</b>	Displays information about MSDP peers.