



C Commands

This chapter describes the Cisco NX-OS Layer 3 interfaces commands that begin with C.

clear ip arp

To clear the Address Resolution Protocol (ARP) information, use the **clear ip arp** command.

```
clear ip arp [ip-addr] { [event-history | all | cli | client-errors | client event | control | errors |
event | ha | lcache | lcache-errors | packet | snmp | sync-event] } | [force-delete | statistics] |
[mgmt mgmt-inteface-number] | [statistics] | [tunnel-statistics] | [vlan vlan-interface-number] |
[vpc-statistics] | [vrf vrf-name | all | default | management]
```

Syntax Description

<i>ip-addr</i>	(Optional) IPv4 source address. The format is x.x.x.x.
event-history	(Optional) Clears the event history buffers.
all	(Optional) Clears all event history buffers.
cli	(Optional) Clears CLI logs.
client-errors	(Optional) Clears client_error logs.
client-event	(Optional) Clears client_event logs.
control	(Optional) Clears ARP control event logs.
errors	(Optional) Clears inst error logs.
event	(Optional) Clears internal event logs.
ha	(Optional) Clears HA and GR logs.
lcache	(Optional) Clears lcache logs.
lcache-errors	(Optional) Clears lcache_error logs.
packet	(Optional) Inst packet logs.
snmp	(Optional) SNMP logs.
sync-event	(Optional) CFS and MCECM related event logs.
force-delete	(Optional) Clears the entries from the ARP table without a refresh.
mgmt <i>mgmt-inteface-number</i>	(Optional) Management interface
statistics	(Optional) Clears ARP statistics.
ethernet	(Optional) Ethernet IEEE 802.3z
loopback	(Optional) Loopback interface
mgmt	(Optional) Management Interface
port-channel	(Optional) Port channel interface
vlan	(Optional) VLAN interface
vrf	(Optional) Displays per-VRF information
tunnel-statistics	(Optional) Clears ARP statistics for tunneled packets
vlan <i>vlan-interface-number</i>	(Optional) VLAN interface
vpc-statistics	(Optional) Clears ARP vPC statistics
vrf <i>vrf-name</i>	(Optional) Specifies the virtual routing and forwarding (VRF) context name. The name can be any case-sensitive, alphanumeric string up to 32 characters.
all	(Optional) Clears the ARP information from all VRF entries.

default	(Optional) Clears the ARP information from the default VRF.
management	(Optional) Clears the ARP information from the management VRF.

Command Default None

Command Modes Any command mode

Command History	Release	Modification
	6.0(2)N1(2)	Support for the QSFP+ GEM was added.
	5.2(1)N1(1)	This command was introduced.

Examples This example shows how to clear the ARP table:
 switch# `clear ip arp`

Related Commands	Command	Description
	<code>show ip arp</code>	Displays information about ARP.

clear ip interface statistics

To clear IP interface statistics, use the **clear ip interface statistics** command.

clear ip interface statistics

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes Any command mode

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

Examples This example shows how to clear the IP interface statistics:

```
switch# clear ip interface statistics
```

Related Commands	Command	Description
	show ip interface	Displays IP interface information.

clear ipv6 icmp interface statistics

To clear statistics about ICMPv6, use the **clear ipv6 icmp interface statistics** command.

clear ipv6 icmp interface statistics [*type number*]

Syntax Description	
<i>type</i>	(Optional) Interface type. Use ? to see the list of supported interfaces.
<i>number</i>	(Optional) Interface number. Use ? to see the range.

Defaults None

Command Modes Any command mode

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

Usage Guidelines This command does not require a license.

Examples This example shows how to clear the ICMPv6 statistics:

```
switch(config-if)# clear ipv6 icmp interface statistics
```

Related Commands	Command	Description
	ipv6 icmp	Configures ICMPv6 on an interface.

clear ipv6 nd interface statistics

To clear information about Neighbor Discovery (ND), use the **clear ipv6 nd interface statistics** command.

clear ipv6 nd interface statistics [*type number*]

Syntax Description	
<i>type</i>	(Optional) Interface type. Use ? to see the list of supported interfaces.
<i>number</i>	(Optional) Interface number. Use ? to see the range.

Defaults	
None	

Command Modes	
Any command mode	

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

Usage Guidelines	
This command does not require a license.	

Examples	
This example shows how to clear the ND information:	
	<pre>switch(config-if)# clear ipv6 nd interface statistics</pre>

Related Commands	Command	Description
	ipv6 nd	Configures ICMPv6 ND on an interface.

clear ipv6 neighbor

To clear IPv6 neighbors, use the **clear ipv6 neighbor** command.

```
clear ipv6 neighbor [type number] [force-clear] [vrf vrf-name]
```

Syntax Description	
<i>type</i>	(Optional) Interface type. Use ? to see the list of supported interfaces.
<i>number</i>	(Optional) Interface number. Use ? to see the range.
force-clear	(Optional) Clears the IPv6 neighbor cache without a refresh.
vrf <i>vrf-name</i>	(Optional) Specifies the virtual router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Defaults None

Command Modes Any command mode

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

Usage Guidelines Use the **clear ipv6 neighbor** command to clear the IPv6 adjacency table. This command does not require a license.

Examples This example shows how to clear the IPv6 neighbors:

```
switch# clear ipv6 neighbor
```

Related Commands	Command	Description
	ipv6 nd	Configures ICMPv6 ND on an interface.

■ `clear ipv6 neighbor`