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* | **ethernet** *slot*/*port*[.*sub_if*] | **loopback** *if_number* | **port-channel** *number*[.*sub_if_number*]] **[force-delete | statistics]** [**vrf** *vrf-name* | **all** | **default** | **management**]

Syntax Description

ip-addr	(Optional) IPv4 source address. The format is x.x.x.x.
ethernet *slot/port*	(Optional) Specifies the Ethernet interface and the slot number and port number. The slot number is from 1 to 255, and the port number is from 1 to 128.
sub_if	(Optional) Specifies the Ethernet subinterface port number. The range is from 1 to 48.
loopback *if_number*	(Optional) Specifies the loopback interface. The loopback interface number is from 0 to 1023.
port-channel *number*	(Optional) Specifies the EtherChannel interface and EtherChannel number. The range is from 1 to 4096.
.*sub_if_number*	(Optional) Subinterface number. The range is from 1 to 4093.
force-delete	(Optional) Clears the entries from the ARP table without a refresh.
statistics	(Optional) Clears ARP statistics.
vrf *vrf-name*	(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(1)	This command was introduced.

Examples   This example shows how to clear the ARP table:

```
switch# clear ip arp
```

Related Commands

Command	Description
show ip arp	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
6.0(2)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		
type	(Optional) Interface type. Use **?** to see the list of supported interfaces.
number	(Optional) Interface number. Use **?** to see the range.

Defaults   None

Command Modes   Any command mode

Command History	Release	Modification
	6.0(2)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

type	(Optional) Interface type. Use **?** to see the list of supported interfaces.
number	(Optional) Interface number. Use **?** to see the range.

Defaults   None

Command Modes   Any command mode

Command History

Release	Modification
6.0(2)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:

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

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

type	(Optional) Interface type. Use **?** to see the list of supported interfaces.
number	(Optional) Interface number. Use **?** to see the range.
force-clear	(Optional) Clears the IPv6 neighbor cache withouth a refresh.
vrf *vrf-name*	(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
6.0(2)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.