



# C Commands

---

This chapter describes the Cisco NX-OS unicast Routing Information Base (RIB) and the Forwarding Information Base (FIB) commands that begin with C.

# clear forwarding route

To clear forwarding information, use the **clear forwarding route** command.

```
clear forwarding {ip | ipv4} route [* | prefix] [vrf vrf-name]
```

Syntax Description	ip	Clears an IPv4 route.
	ipv4	Clears an IPv4 route.
	*	(Optional) Clears all routes.
	prefix	(Optional) IPv4 prefix. The IPv4 format is x.x.x.x/length.
	vrf vrf-name	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name can be any case-sensitive, alphanumeric string up to 32 characters.

Command Default	None
-----------------	------

Command Modes	Any command mode
---------------	------------------

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

Examples	<p>This example shows how to clears a route from the FIB:</p> <pre>switch# clear forwarding ip 10.0.0.1/8</pre>
----------	---

# clear forwarding inconsistency

To clear the Layer 3 inconsistency checker for the Forwarding Information Base (FIB), use the **clear forwarding inconsistency** command.

**clear forwarding inconsistency**

<b>Syntax Description</b>	This command has no arguments or keywords.
---------------------------	--

<b>Command Default</b>	None
------------------------	------

<b>Command Modes</b>	Any command mode
----------------------	------------------

<b>Command History</b>	<b>Release</b>	<b>Modified</b>
	5.2(1)N1(1)	This command was introduced.

<b>Examples</b>	<p>This example shows how to clear the Layer 3 inconsistency checker for all modules:</p> <pre>switch# clear forwarding inconsistency module all</pre>
-----------------	--

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show forwarding inconsistency</b>	Displays information about the FIB inconsistencies.
	<b>test forwarding inconsistency</b>	Triggers the forwarding inconsistency checker.

# clear ip adjacency statistics

To clear adjacency statistics, use the **clear ip adjacency statistics** command.

**clear ip adjacency statistics**

---

<b>Syntax Description</b>	This command has no arguments or keywords.
---------------------------	--

---

<b>Command Default</b>	None
------------------------	------

---

<b>Command Modes</b>	Any command mode
----------------------	------------------

---

<b>Command History</b>	<b>Release</b>	<b>Modified</b>
	5.2(1)N1(1)	This command was introduced.

---

---

<b>Examples</b>	This example shows how to clear the adjacency statistics:  switch# <b>clear ip adjacency statistics</b>
-----------------	---

---

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show ip adjacency</b>	Displays adjacency information.

---

# clear ip route

To clear individual routes from the unicast Routing Information Base (RIB), use the **clear ip route** command.

```
clear ip route [* | addr | prefix] [vrf vrf-name]
```

## Syntax Description

<b>*</b>	(Optional) Clears all routes.
<i>addr</i>	(Optional) Clears this route. The format is x.x.x.x.
<i>prefix</i>	(Optional) Clears this prefix. The format is x.x.x.x/length.
<b>vrf</b> <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.

## Command Default

None

## Command Modes

Any command mode

## Command History

Release	Modified
5.2(1)N1(1)	This command was introduced.

## Usage Guidelines

Use the **clear ip route** command to clear individual routes from the route table.



### Caution

The **\*** keyword is severely disruptive to routing.

## Examples

This example shows how to clear the individual route:

```
switch(config)# clear ip route 192.0.2.1
```

## Related Commands

Command	Description
<b>show ip route</b>	Displays entries in the route table.

# clear sockets statistics

To clear the socket statistics, use the **clear sockets statistics** command.

**clear sockets statistics** [**all** | **raw** | **tcp** | **udp**]

<b>Syntax Description</b>	<b>all</b>	(Optional) Clears all the socket statistics.
	<b>raw</b>	(Optional) Clears the socket statistic for the raw IPv4 protocols.
	<b>tcp</b>	(Optional) Clears the socket statistic for the TCP IPv4 protocols.
	<b>udp</b>	(Optional) Clears the socket statistic for the UDP IPv4 protocols.

<b>Command Default</b>	None
------------------------	------

<b>Command Modes</b>	Any command mode
----------------------	------------------

<b>Command History</b>	<b>Release</b>	<b>Modified</b>
	5.2(1)N1(1)	This command was introduced.

<b>Examples</b>	This example shows how to clear the TCP socket statistics:
	switch# <b>clear sockets statistics tcp</b>

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show sockets client</b>	Displays information about the socket client information.
	<b>show sockets connection</b>	Displays information about the socket connection.
	<b>show sockets statistics</b>	Displays information about the socket statistics.