



## C Commands

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

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# clear forwarding route

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

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

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

<b>Command Default</b>	None
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<b>Command Modes</b>	Any command mode
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Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

**Examples** This example shows how to clear a route from the FIB:

```
switch# clear forwarding ip 10.0.0.1/8
```

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# 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.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Any command mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)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>
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<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.

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# clear ip adjacency statistics

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

**clear ip adjacency statistics**

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<b>Syntax Description</b>	This command has no arguments or keywords.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Any command mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

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

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

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# 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*]

<b>Syntax Description</b>	<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.

<b>Command Default</b>	None
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<b>Command Modes</b>	Any command mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

<b>Usage Guidelines</b>	Use the <b>clear ip route</b> command to clear individual routes from the route table.
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**Caution**

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

<b>Examples</b>	This example shows how to clear the individual route:
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```
switch(config)# clear ip route 192.0.2.1
```

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

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# 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
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<b>Command Modes</b>	Any command mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)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.