



## 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.

## 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.
*		(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.

Command Default	
	None

Command Modes	
	Any command mode

Command History	Release	Modified
	5.2(1)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
```

# 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**

**Syntax Description** This command has no arguments or keywords.

**Command Default** None

**Command Modes** Any command mode

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

**Examples** This example shows how to clear the Layer 3 inconsistency checker for all modules:

```
switch# clear forwarding inconsistency module all
```

Related Commands	Command	Description
	<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**

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**Syntax Description** This command has no arguments or keywords.

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**Command Default** None

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**Command Modes** Any command mode

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

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**Examples** This example shows how to clear the adjacency statistics:

```
switch# clear ip adjacency statistics
```

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Related Commands	Command	Description
	<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]
```

Syntax Description		
*	(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**]

Syntax Description	all	(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.

**Command Default** None

**Command Modes** Any command mode

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

**Examples** This example shows how to clear the TCP socket statistics:

```
switch# clear sockets statistics tcp
```

Related Commands	Command	Description
	<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.