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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.

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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		
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

Release	Modification
5.0(3)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

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes

Release	Modification
5.0(3)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
show forwarding inconsistency	Displays information about the FIB inconsistencies.
test forwarding inconsistency	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

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes

Release	Modification
5.0(3)N1(1)	This command was introduced.

Examples This example shows how to clear the adjacency statistics:

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

Related Commands

Command	Description
show ip adjacency	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.
addr	(Optional) Clears this route. The format is x.x.x.x.
prefix	(Optional) Clears this prefix. The format is x.x.x.x/length.
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.

Command Default None

Command Modes

Release	Modification
5.0(3)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
show ip route	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**]

Syntax Description

all	(Optional) Clears all the socket statistics.
raw	(Optional) Clears the socket statistic for the raw IPv4 protocols.
tcp	(Optional) Clears the socket statistic for the TCP IPv4 protocols.
udp	(Optional) Clears the socket statistic for the UDP IPv4 protocols.

Command Default

None

Command Modes

Release	Modification
5.0(3)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
show sockets client	Displays information about the socket client information.
show sockets connection	Displays information about the socket connection.
show sockets statistics	Displays information about the socket statistics.

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