C Commands

capability additional-paths

To configure BGP to advertise the capability of sending and receiving additional paths to and from the BGP peers, use the **capability additional-paths** command. To disable the capability additional-path, use the **no** form of this command.

capability additional-paths {**receive** | **send**} [**disable**]

Syntax Description

receive	Advertises the capability to receive additional paths from the BGP peer.
send	Advertises the capability to send additional paths to the BGP peer.
disable	(Optional) Disables the advertising capability of sending additional paths.

Command Default   None

Command Modes

neighbor address-family configuration mode

Command History

Release	Modification
6.1(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples

This example shows how to configure BGP to advertise the capability to send and receive additional paths to the BGP peer:

```
switch# configure terminal
switch(config)# router bgp 100
switch(config-router)# neighbor 10.131.31.2 remote-as 100
switch(config-router-neighbor)# address-family ipv4 unicast
switch(config-router-neighbor-af)# capability additional-path send
switch(config-router-neighbor-af)#
switch(config-router-neighbor-af)# capability additional-paths receive
switch(config-router-neighbor-af)#
```

clear bgp

To clear Border Gateway Protocol (BGP) routes from the BGP table, use the **clear bgp** command.

clear bgp {{**ipv4** | **ipv6**} {**unicast** | **multicast**} | **all**} {*neighbor* | ******as-number* | **peer-template** *nameprefix*} [**vrf** *vrf-name*]

Syntax Description		
	ipv4	(Optional) Clears the BGP information for the IPv4 address family.
	ipv6	(Optional) Clears the BGP information for the IPv6 address family.
	unicast	Clears BGP information for the unicast address family.
	multicast	Clears BGP information for the multicast address family.
	all	(Optional) Clears the BGP information for all address families.
	neighbor	Network address. The format is A.B.C.D for IPv4 and A:B::C:D for IPv6.
	as-number	Autonomous system number. The range is from 1 to 65535.
	peer-template *name*	Specifies a BGP peer template. The name can be any case-sensitive, alphanumeric string up to 63 characters.
	prefix	A prefix from the selected address family. The format is A.B.C.D/length for IPv4 and A:B::C:D/length for IPv6.
	vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.
4.0(3)	Added support for IPv6 prefixes.

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear all BGP entries:

```
switch# clear bgp all *
```

clear bgp dampening

To clear Border Gateway Protocol (BGP) route flap dampening information, use the **clear bgp dampening** command.

clear bgp {{**ipv4** | **ipv6**} {**unicast** | **multicast**} | **all**} **dampening** [{*neighborprefix*}] [**vrf** *vrf-name*]

Syntax Description

ipv4	(Optional) Clears BGP information for IPv4 address family.
ipv6	(Optional) Clears BGP information for IPv6 address family.
unicast	Clears BGP information for unicast address family.
multicast	Clears BGP information for multicast address family.
all	(Optional) Clears BGP information for all address families.
neighbor	Neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear BGP route flap dampening information:

```
switch# clear bgp all dampening
```

clear bgp flap-statistics

To clear Border Gateway Protocol (BGP) route flap statistics, use the **clear bgp flap-statistics** command.

clear bgp flap-statistics [{*neighborprefix*}] [**vrf** *vrf-name*]

Syntax Description

neighbor	A neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	A prefix from the selected address family. The format is A.B.C.D/length for IPv4.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear BGP route flap statistics:

```
switch# clear bgp flap-statistics
```

clear bgp policy statistics aggregate-address

To clear policy statistics for the Border Gateway Protocol (BGP) topology table, use the **clear bgp policy statistics aggregate address** command.

clear bgp policy statistics aggregate address *prefix* {**advertise-map** | **suppress-map**}

Syntax Description

prefix	Summary address. The format is x.x.x.x or x.x.x.x / length. The length range is from 1 to 32.
advertise-map	Clears policy statistics for the advertise policy
suppress-map	Clears policy statistics for the suppress policy.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear policy statistics for an aggregate address:

```
switch# clear bgp policy statistics aggregate-address 192.0.2.0/8
```

Related Commands

Command	Description
show bgp policy statistics	Displays policy statistics for bgp.

clear bgp policy statistics dampening

To clear policy statistics for the Border Gateway Protocol (BGP) dampening, use the **clear bgp policy statistics dampening** command.

clear bgp policy statistics dampening

Syntax Description   This command has no keywords or arguments.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear policy statistics for dampening:

```
switch# clear bgp policy statistics dampening
```

Related Commands

Command	Description
show bgp policy statistics	Displays policy statistics for BGP.

clear bgp policy statistics neighbor

To clear policy statistics for the Border Gateway Protocol (BGP) neighbor, use the **clear bgp policy statistics neighbor** command.

clear bgp policy statistics neighbor *prefix* [{**default-originate** | {**filter-list** | **prefix-list** | **route-map**} {**in** | **out**}}]

Syntax Description

prefix	Neighbor address. The format is x.x.x.x.
default-originate	(Optional) Clears policy statistics for the default originate policy.
filter-list	Clears policy statistics for the neighbor filter list.
prefix-list	Clears policy statistics for the neighbor prefix list.
route-map	Clears policy statistics for the neighbor route map.
in	(Optional) Clears inbound policy statistics.
out	(Optional) Clears outbound policy statistics.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear policy statistics for an aggregate address:

```
switch# clear bgp policy statistics neighbor 192.0.2.1 filter-list in
```

Related Commands

Command	Description
show bgp policy statistics	Displays policy statistics for BGP.

clear bgp policy statistics redistribute

To clear policy statistics for the Border Gateway Protocol (BGP) topology table, use the **clear bgp policy statistics** command.

clear bgp policy statistics redistribute {**direct** | **eigrp** *id* | **isis** *id* | **ospf** *id* | **rip** *id* | **static**} [**vrf** {*vrf-name* | *****}]

Syntax Description

direct	Clears policy statistics for directly connected routes only.
eigrp	Clears policy statistics for EIGRP.
isis	Clears policy statistics for the Intermediate-System to Intermediate-System (IS-IS) routing protocol.
ospf	Clears policy statistics for the Open Shortest Path First (OSPF) protocol.
rip	Clears policy statistics for the Routing Information Protocol (RIP).
static	Clears policy statistics for IP static routes.
id	For the **eigrp** keyword, an EIGRP instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
	For the **isis** keyword, an IS-IS instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
	For the **ospf** keyword, an OSPF instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
vrf *vrf-name*|*****	Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is an alphanumeric string of up to 32 characters.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear policy statistics for RIP:

```
switch# clear bgp policy statistics redistribute rip 201
```

Related Commands

Command	Description
show bgp policy statistics	Displays BGP policy statistics.

clear forwarding route

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

clear forwarding {**ip** | **ipv4** | **ipv6**} **route** [{******prefix*}] [**vrf** *vrf-name*]

Syntax Description

ip	Clears an IPv4 route.
ipv4	Clears an IPv4 route.
ipv6	Clears an IPv6 route.
*	Clears all routes.
prefix	IPv4 or IPv6 prefix. The IPv4 format is x.x.x.x/length. The IPv6 format is A:B::C:D/length.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(3)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to clears 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 [{**ip** | **ipv4** | **ipv6**}] [**unicast**] [**vrf** *vrf-name*] [**module** {*slot* | **all**}]

Syntax Description

ip	(Optional) Specifies the inconsistency check for IPv4 routes.
ipv4	(Optional) Specifies the inconsistency check for IPv4 routes.
ipv6	(Optional) Specifies the inconsistency check for IPv6 routes.
unicast	(Optional) Specifies the inconsistency check for unicast routes.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.
module	(Optional) Specifies the inconsistency check for one or more modules.
slot	Module number. The range depends on the platform.
all	(Optional) Specifies the inconsistency check for all modules.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.
4.2(1)	Added support for **ipv6** keyword.

Usage Guidelines

This command does not require a license.

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.

clear hardware ip verify

To clear IP packet verification, use the **clear hardware ip verify** command. To disable IP packet verification, use the **no**form of this command.

clear hardware ip verify {**checksum** | **fragment** | **protocol** | **tcp tiny-frag** | **version**}

Syntax Description

checksum	Drops IPv4 or IPv6 packets if the checksum is invalid.
fragment	Drops IPv4 or IPv6 packets if the packet fragment has a nonzero offset and the DF bit is active.
protocol	Drops IPv4 or IPv6 packets if the packet fragment has an invalid IP protocol number.
tcp tiny-frag	Drops IPv4 packets if the IP fragment offset is 1, or if the IP fragment offset is 0 and the IP payload length is less than 16.
version	Drops IPv4 packets if the EtherType is not set to 4 (IPv4).

Command Default None

Command Modes

Global configuration

Command History

Release	Modification
4.1(3)	This command was introduced.
4.2(2)	Added **protocol** keyword.

Usage Guidelines Use the **clear hardware ip verify** command to clear packet verification tests on IPv4 and IPv6 packets based on checksum or fragments.

This command does not require a license.

Examples This example shows how to clear fragmented IPv4 or IPv6 packet tests:

```
switch# configure terminal
switch(config)# clear hardware ip verify fragment
```

Related Commands

Command	Description
hardware ip verify address	Configures IPv4 and IPv6 packet verification checks based on addresses.
hardware ip verify length	Configures IPv4 packet verification checks based on length.
hardware ipv6 verify	Configures IPv6 packet verification.
show hardware forwarding ip verify	Displays information about IP packet verification checks.

clear hardware ip verify address

To clear packet verification tests on IP addresses, use the **clear hardware ip verify address** command. To disable packet verification tests, use the **no**form of this command.

clear hardware ip verify address {**destination zero** | **identical** | **reserved** | **source** {**broadcast** | **multicast**}}

Syntax Description

destination zero	Drops IP packets if the destination IPv4 address is 0.0.0.0 or if the IPv6 address is ::.
identical	Drops IP packets if the source IPv4 or IPv6 address is identical to the destination IPv4 or IPv6 address.
reserved	Drops IP packets if the IPv4 address is in the 127.x.x.x range or if the IPv6 address is in the ::1 range.
source	Drops IP packets based on the IP source address.
broadcast	Drops IP packets if the IP source address is 255.255.255.255.
multicast	Drops IP packets if the IPv4 source address is in the 224.x.x.x range or if the IPv6 source address is in the FF00::/8 range.

Command Default

None

Command Modes

Global configuration

Command History

Release	Modification
4.1(3)	This command was introduced.

Usage Guidelines

Use the **clear hardware ip verify address** command to clear packet verification tests on IPv4 and IPv6 packets based on addresses.

This command does not require a license.

Examples

This example shows how to clear broadcast IPv4 packet tests:

```
switch# configure terminal
switch(config)# clear hardware ip verify address # source broadcast
```

Related Commands

Command	Description
hardware ip verify	Configures IPv4 and IPv6 packet verification checks based on checksum or fragments.
hardware ip verify length	Configures IPv4 packet verification checks based on length.

Command	Description
hardware ipv6 verify	Configures IPv6 packet verification.
show hardware forwarding ip verify	Displays information about IP packet verification checks.

clear hardware ip verify length

To clear IPv4 packet verification tests based on packet length, use the **clear hardware ip verify length** command. To disable the tests, use the **no**form of this command.

clear hardware ip verify length {**consistent** | **maximum** {**max-frag** | **max-tcp** | **udp**} | **minimum**}

Syntax Description

consistent	Drops IPv4 packets where the Ethernet frame size is greater than or equal to the IP packet length plus the Ethernet header.
maximum	Specifies the maximum fragment offset.
max-frag	Specifies drops to IP packets if the maximum fragment offset is greater than 65536.
max-tcp	Specifies drops to IP packets if the TCP length is greater than the IP payload length.
udp	Specifies drops to IP packets if the IP payload length is less than the UDP packet length.
minimum	Drops IP packets if the Ethernet frame length is less than the IP packet length plus four octets (the CRC length).

Command Default   None

Command Modes

Global configuration

Command History

Release	Modification
4.1(3)	This command was introduced.

Usage Guidelines   Use the **clear hardware ip verify length** command to clear packet verification tests on IPv4 and IPv6 packets based on packet length.

This command does not require a license.

Examples   This example shows how to clear minimum-length IPv4 packet tests:

```
switch# configure terminal
switch(config)# clear hardware ip verify length minimum
```

Related Commands

Command	Description
hardware ip verify	Configures IPv4 packet verification checks based on checksum or fragments.
hardware ip verify address	Configures IPv4 and IPv6 packet verification checks based on addresses.
hardware ipv6 verify	Configures IPv6 packet verification.

Command	Description
show hardware forwarding ip verify	Displays information about IP packet verification checks.

C Commands

clear hardware proxy layer-3 counters

clear hardware proxy layer-3 counters

To clear proxylayer 3 counters information, use the clear hardware proxy layer-3 counters command.

clear hardware proxy layer-3 counters

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes

EXEC

Command History

Release	Modification
5.1(1)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to clear brief proxy layer 3 counters information:

```
switch# clear hardware proxy layer-3 counters
switch#
```

Related Commands

Command	Description
show hardware proxy layer-3 detail	Displays detail information on the proxylayer 3 functionality.

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 keywords or arguments.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

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.

clear ip arp

To clear the Address Resolution Protocol (ARP) information, use the **clear ip arp** command.

clear ip arp [{*ip-addr*|*interface*}] [{**force-delete** | **statistics**}] [**vrf** *vrf-name*]

Syntax Description	*ip-addr*	(Optional) IPv4 source address. The format is x.x.x.x.
	interface	(Optional) Interface. Use *?* to determine the supported interface types.
	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 router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default None

Command Modes

Any command mode

Command History	Release	Modification
	4.0(1)	This command was introduced.
	5.0(2)	Added **force-delete** keyword.

Usage Guidelines This command does not require a license.

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 bgp

To clear Border Gateway Protocol (BGP) routes from the BGP table, use the **clear ip bgp** command.

clear ip bgp [**ipv4** {**unicast** | **multicast**}] {*neighbor* | ***as-number** | **peer-template** *nameprefix*} [**vrf** *vrf-name*]

Syntax Description

ipv4	(Optional) Clears BGP information for the IPv4 address family.
unicast	Clears BGP information for the unicast address family.
multicast	Clears BGP information for the multicast address family.
neighbor	Network address. The format is A.B.C.D for IPv4 and A:B::C:D for IPv6.
as-number	Autonomous system number. The range is from 1 to 65535.
peer-template *name*	Specifies a BGP peer template. The name can be any case-sensitive, alphanumeric string up to 63 characters.
prefix	Prefix from the selected address family. The format is A.B.C.D/length for IPv4 and A:B::C:D/length for IPv6.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear all BGP entries for the IPv4 address family:

```
switch# clear ip bgp *
```

clear ip bgp dampening

To clear Border Gateway Protocol (BGP) route flap dampening information, use the **clear ip bgp dampening** command.

clear ip bgp ipv4 {**unicast** | **multicast**} **dampening** [{**neighbor** | **prefix**}] [**vrf** *vrf-name*]

Syntax Description

ipv4	(Optional) Clears BGP information for the IPv4 address family.
unicast	Clears BGP information for the unicast address family.
multicast	Clears BGP information for the multicast address family.
neighbor	Neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples

This example shows how to clear BGP route flap dampening information:

```
switch# clear ip bgp dampening
```

clear bgp flap-statistics

To clear Border Gateway Protocol (BGP) route flap statistics, use the **clear bgp flap-statistics** command.

clear bgp flap-statistics [{*neighborprefix*}] [**vrf** *vrf-name*]

Syntax Description

neighbor	A neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	A prefix from the selected address family. The format is A.B.C.D/length for IPv4.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default None

Command Modes

Any

Command History

| Release | Modification |
| 4.0(1) | This command was introduced. |

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear BGP route flap statistics:

```
switch# clear bgp flap-statistics
```

clear ip eigrp accounting

To clear the prefix accounting information for the Enhanced Interior Gateway Routing Protocol (EIGRP) processes, use the **clear ip eigrp accounting** command.

clear ip eigrp [*instance-tag*] **accounting** [**vrf** {*vrf-name* | *****}]

Syntax Description		
instance-tag	(Optional) Instance tag. This option is available when a virtual routing and forwarding (VRF) instance is not specified. The instance tag can be any case-sensitive, alphanumeric string up to 63 characters.
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-insensitive alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.
vrf *	(Optional) Specifies all VRF instances.

Command Default None

Command Modes

Any

Command History

Release	Modification
4.0(3)	This command was introduced.

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear the EIGRP accounting information:

```
switch# clear ip eigrp accounting
```

clear ip eigrp neighbors

To remove and reestablish the Enhanced Interior Gateway Routing Protocol (EIGRP) neighbor entries from the appropriate table, use the **clear ip eigrp neighbors** command in EXEC mode.

clear ip eigrp [*instance-tag*] **neighbors** [{******ip-address* | *interface-type interface-instance*}] [**soft**] [**vrf** {*vrf-name* | *****}]

Syntax Description

instance-tag	(Optional) Instance identifier. The instance-tag can be any case-sensitive, alphanumeric string up to 63 characters.
*	(Optional) Clears all neighbors.
ip-address	(Optional) Address of the neighbor.
interface-type	(Optional) Interface type. For more information, use the question mark (**?**) CLI help function.
interface-instance	(Optional) Either a physical interface instance or a virtual interface instance. Specifying these arguments removes the specified interface type from the neighbor table that all entries learned via this interface. For more information about the interface syntax, use the question mark (**?**) online help function.
soft	(Optional) Specifies soft reset for the neighbors.
vrf *vrf-name*	*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name is an alphanumeric string of up to 32 characters.

Command Default

When no autonomous system number, interface, or VRF instance is specified, all EIGRP neighbor entries are cleared from the table.

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.
4.0(3)	Added ***** and **soft** keywords.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear all EIGRP entries for neighbors on Ethernet interface 2/1:

```
switch# clear ip eigrp vrf * neighbors ethernet 2/1
```

Related Commands

Command	Description
show ip eigrp interfaces	Displays information about interfaces configured for EIGRP.
show ip eigrp neighbors	Displays the neighbors discovered by EIGRP.

clear ip eigrp policy statistics redistribute

To clear policy statistics for routes redistributed into show ip rip policy statistics redistribute Enhanced Interior Gateway Routing Protocol (EIGRP) topology table, use the **clear ip eigrp policy statistics redistribute** command.

clear ip eigrp policy statistics redistribute {**bgp** *id* | **direct** | **eigrp** *id* | **isis** *id* | **ospf** *id* | **rip** *id* | **static**} [**vrf** {*vrf-name* | *****}]

Syntax Description

bgp	Clears policy statistics for the Border Gateway Protocol (BGP).
direct	Clears policy statistics for directly connected routes only.
eigrp	Clears policy statistics for EIGRP.
isis	Clears policy statistics for the Intermediate-System to Intermediate-System (IS-IS) routing protocol.
ospf	Clears policy statistics for the Open Shortest Path First (OSPF) protocol.
rip	Clears policy statistics for the Routing Information Protocol (RIP).
static	Clears policy statistics for IP static routes.
id	For the **bgp** keyword, an autonomous system number. The range for 2-byte numbers is from 1 to 65535. The range for 4-byte numbers is from 1.0 to 65535.65535.
	For the **eigrp** keyword, an EIGRP instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
	For the **isis** keyword, an IS-IS instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
	For the **ospf** keyword, an OSPF instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
vrf *vrf-name*|*	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is an alphanumeric string of up to 32 characters.

Command Default None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.
4.0(3)	This command was removed and replaced by the **clear ip eigrp route-map statistics** command.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear policy statistics for RIP:

```
switch# clear ip eigrp policy statistics redistribute rip 201
```

Related Commands

Command	Description
show ip eigrp policy statistics	Displays policy statistics for EIGRP.

clear ip eigrp redistribution

To clear redistribution information for Enhanced Interior Gateway Routing Protocol (EIGRP), use the **clear ip eigrp redistribution** command.

clear ip eigrp redistribution [**vrf** {*vrf-name* | *****}]

Syntax Description		
	vrf *vrf-name* |*	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is an alphanumeric string of up to 32 characters.

Command Default None

Command Modes

Any

Command History

Release	Modification
4.2(1)	This command was introduced.

Usage Guidelines This command requires the Enterprise Services license.

Examples This example shows how to clear redistribution information:

```
switch# clear ip eigrp redistribution
```

Related Commands

Command	Description
feature eigrp	Enables the EIGRP feature.

clear ip eigrp traffic

To clear the Enhanced Interior Gateway Routing Protocol (EIGRP) traffic statistics, use the **clear ip eigrp traffic** command.

clear ip eigrp [*instance-tag*] **traffic** [**vrf** {*vrf-name* | *****}]

Syntax Description	*instance-tag*	(Optional) Instance of EIGRP. The instance tag can be any case-sensitive, alphanumeric string up to 63 characters.
	vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-insensitive alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.
	vrf *	(Optional) Specifies all VRF instances.

Command Default   This command clears information for the default VRF if no VRF is specified.

Command Modes

Any

Command History

Release	Modification
4.0(3)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear the EIGRP traffic statistics:

```
switch# clear ip eigrp traffic
```

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 keywords or arguments.

Command Default
None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines
This command does not require a license.

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 ip mbgp

To clear Multiprotocol Border Gateway Protocol (MBGP) routes from the BGP table, use the **clear ip mbgp** command.

clear ip mbgp {*neighbor* | ******as-number* | **peer-template** *name* *prefix*} [**vrf** *vrf-name*]

Syntax Description

neighbor	Network address. The format is A.B.C.D for IPv4.
as-number	Autonomous system number. The range is from 1 to 65535.
peer-template *name*	Specifies a BGP peer template. The name can be any case-sensitive, alphanumeric string up to 63 characters.
prefix	Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear all MBGP entries for the IPv4 address family:

```
switch# clear ip mbgp *
```

clear ip mbgp dampening

To clear Multiprotocol Border Gateway Protocol (MBGP) route flap dampening information, use the **clear ip mbgp dampening** command.

clear ip mbgp dampening {*neighborprefix*} [**vrf** *vrf-name*]

Syntax Description

neighbor	Neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear MBGP route flap dampening information:

```
switch# clear ip mbgp dampening
```

clear ip mbgp flap-statistics

To clear Multiprotocol Border Gateway Protocol (MBGP) route flap statistics, use the **clear ip mbgp flap-statistics** command.

clear ip mbgp flap-statistics {*neighborprefix*} [**vrf** *vrf-name*]

Syntax Description

neighbor	Neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
vrf *vrf-name*	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear MBGP route flap statistics:

```
switch# clear ip mbgp flap-statistics
```

clear ip ospf neighbor

To clear neighbor statistics and reset adjacencies for Open Shortest Path First (OSPF), use the **clear ip ospf neighbor** command.

clear ip ospf [*instance-tag*] **neighbor** {***neighbor-id* | *interface-type number* | **loopback** *number* | **port-channel** *number*} [**vrf** *vrf-name*]

Syntax Description		
	instance-tag	(Optional) Instance tag. Specify as an alphanumeric string of up to 20 characters.
	*	Clears all neighbors.
	neighbor-id	Neighbor ID (as an IP address) of the neighbor to clear.
	interface-type number	Interface from which to clear all neighbors.
	loopback *number*	Clears all neighbors on a loopback interface.
	port-channel *number*	Clears all neighbors on a port-channel interface.
	vrf *vrf-name*	(Optional) Specifies the name of the OSPF virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string of up to 32 characters, except "default" and "all".

Command Default None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines Use the **clear ip ospf neighbor** command to clear neighbor information from the **show ip ospf neighbor** command. Use the *instance-tag* argument to clear the neighbor details from one OSPF instance. If you do not use the *instance-tag* argument, Cisco NX-OS clears the neighbor details from all OSPF instances. Use the **show ip ospf neighbor** command to find the neighbor ID.

This command requires the Enterprise Services license.

Examples This example shows how to clear all OSPF neighbor details for neighbor 192.0.2.1 for instance tag 201:

```
switch# clear ip ospf 201 neighbor 192.0.2.1
```

This example shows how to clear all OSPF neighbor details for all OSPF instances:

```
switch# clear ip ospf neighbor *
```

This example shows how to clear all OSPF neighbor details for all neighbors on Ethernet interface 1/2 for OSPF instance 202:

```
switch# clear ip ospf 202 neighbor ethernet 1/2
```

Related Commands

Command	Description
show ip ospf neighbor	Displays details for OSPF neighbors including the neighbor ID.

clear ip ospf policy statistics

To clear policy statistics for Open Shortest Path First (OSPF), use the **clear ip ospf policy statistics** command.

clear ip ospf [*instance-tag*] **policy statistics** {**area** *area-id* **filter-list** {**in** | **out**} | **redistribute** {**bgp** *autonomous-system* | **direct** | **eigrp** *id* | **isis** *id* | **ospf** *id* | **rip** *id* | **static**}} [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Instance tag. Specify as an alphanumeric string of up to 20 characters.
area	Clears policy statistics for an area.
area-id	Area ID as an integer or IP address.
filter-list	Specifies the policy statistics for filtered prefixes between OSPF areas.
in	Filters prefixes sent into this OSPF area.
out	Filters prefixes sent from this OSPF area.
redistribution	Clears OSPF route redistribution statistics.
bgp *autonomous-system*	Specifies the autonomous system number for the Border Gateway Protocol. Specify the autonomous system number as *x.y*, where the range is from 1 to 65535 for both *x* and *y*, or as a single integer, where the range is from 1 to 65535.
direct	Specifies directly connected routes.
eigrp *id*	Specifies the autonomous system number for the Enhanced Interior Gateway Protocol. Specify the *id* argument as any case-sensitive, alphanumeric string.
isis *id*	Specifies the Intermediate System to Intermediate System instance. Specify the *id* argument as any case-sensitive, alphanumeric string.
ospf *id*	Specifies the Open Shortest Path First version 2 instance. Specify the *id* argument as any case-sensitive, alphanumeric string.
rip *id*	Specifies the Routing Information Protocol instance. Specify the *id* argument as any case-sensitive, alphanumeric string.
static	Specifies static routes.
vrf *vrf-name*	(Optional) Specifies the name of the OSPF virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string of up to 32 characters, except "default" and "all".

Command Default

None

Command Modes

Any

Command History	Release	Modification
	4.0(1)	This command was introduced.

Usage Guidelines

Use the **clear ip ospf statistics** command to learn the policy statistics shown in the **show ip ospf policy statistics** command. Use the *instance-tag* argument to clear the policy statistics from one OSPF instance. If you do not specify the instance tag.

Cisco NX-OS clears the policy statistics from all OSPF instances. Use the **show ip ospf policy statistics** command to to view the statistics that you are clearing.

This command requires the Enterprise Services license.

Examples

This example shows how to clear all OSPF policy statistics for area 99 inbound filtered routes for OSPF 201:

```
switch# clear ip ospf 201 policy statistics area 99 filter-list in
```

This example shows how to clear all OSPF policy statistics for all BGP redistributed routes for OSPF 202:

```
switch# clear ip ospf 202 policy statistics redistribute bgp
```

Related Commands

Command	Description
show ip ospf policy statistics	Displays details for OSPF policies.

clear ip ospf redistribution

To clear redistribution information for Open Shortest Path First (OSPF), use the **clear ip ospf redistribution** command.

clear ip ospf redistribution [**vrf** { *vrf-name* | *****}]

Syntax Description

vrf *vrf-name*|*	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is an alphanumeric string of up to 32 characters.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.2(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear redistribution information:

```
switch# clear ip ospf redistribution
```

Related Commands

Command	Description
feature ospf	Enables the OSPF feature.

clear ip ospf statistics

To clear Open Shortest Path First (OSPF) event statistics, use the **clear ip ospf** statistics command.

clear ip ospf [*instance-tag*] **statistics** [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Instance tag. Specify as an alphanumeric string of up to 20 characters.
vrf *vrf-name*	(Optional) Specifies the name of the OSPF virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string of up to 32 characters, except "default" and "all".

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

Use the **clear ip ospf statistics** command to clear the event statistics from one or more OSPF instances. If you do not specify the *instance-tag* argument, Cisco NX-OS clears statistics from all OSPF instances. Use the **show ip ospf statistics** command to to view the statistics that you are clearing.

This command requires the Enterprise Services license.

Examples

This example shows how to clear all OSPF event statistics:

```
switch# clear ip ospf statistics
```

Related Commands

Command	Description
show ip ospf statistics	Displays event statistics for OSPF.

clear ip ospf traffic

To clear Open Shortest Path First (OSPF) traffic statistics, use the **clear ip ospf traffic** command.

clear ip ospf [*instance-tag*] **traffic** *[interface]* [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Instance tag. Specify as an alphanumeric string of up to 20 characters.
interface	(Optional) Interface to clear traffic statistics for. Use the **?** option to see the interface options.
vrf *vrf-name*	(Optional) Specifies the name of the OSPF virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string of up to 32 characters, except "default" and "all".

Command Default
None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.
4.0(3)	Added *interface* argument.

Usage Guidelines
Use the **clear ip ospf traffic** command to clear the traffic statistics from one or more OSPF instances. If you do not specify the *instance-tag* argument, Cisco NX-OS clears traffic statistics from all OSPF instances. Use the **show ip ospf traffic statistics** command to to view the statistics that you are clearing.

This command requires the Enterprise Services license.

Examples
This example shows how to clear OSPF traffic statistics for OSPF 100:

```
switch# clear ip ospf 100 traffic
```

Related Commands

Command	Description
show ip ospf traffic statistics	Displays OSPF traffic statistics.

clear ip rip policy statistics redistribute

To clear policy statistics for routes redistributed into the the Routing Information Protocol (RIP) topology table, use the **clear ip rip policy statistics redistribute** command in any mode.

clear ip rip policy statistics redistribute {**bgp** *id* | **direct** | **eigrp** *id* | **isis** *id* | **ospf** *id* | **ospfv3** *id* | **static**} [**vrf** *vrf-name*]

Syntax Description

bgp	Clears policy statistics for the Border Gateway Protocol (BGP).
direct	Clears policy statistics for directly connected routes only.
eigrp	Clears policy statistics for the Enhanced Interior Gateway Routing Protocol (EIGRP).
isis	Clears policy statistics for the Intermediate-System to Intermediate-System (IS-IS) routing protocol.
ospf	Clears policy statistics for the Open Shortest Path First (OSPF) protocol.
ospfv3	Clears policy statistics for the Open Shortest Path First version 3 (OSPFv3) protocol.
static	Clears policy statistics for IP static routes.
id	For the **bgp** keyword, an autonomous system number. The range for 2-byte numbers is from 1 to 65535. The range for 4-byte numbers is from 1.0 to 65535.65535. For the **eigrp** keyword, an EIGRP instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string. For the **isis** keyword, an IS-IS instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it d internally as a string. For the **ospf** keyword, an OSPF instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
vrf *vrf-name*	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. Length is up to 32 alphanumeric characters.

Command Default

This command has no default settings.

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to clear policy statistics for EIGRP:

```
switch# clear ip rip policy statistics redistribute eigrp 201
```

Related Commands

Command	Description
show ip rip policy statistics	Displays policy statistics for RIP.

clear ip rip statistics

To clear the the Routing Information Protocol (RIP) statistics, use the **clear ip rip statistics** command in any mode.

clear ip rip statistics [**interface** *type instance*] [**vrf** *vrf-name*]

Syntax Description	

interface *type instance*	(Optional) Specifies the interface to clear topology entries.
vrf *vrf-name*	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is up to 32 alphanumeric characters.

Command Default

This command has no default settings.

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to clear all RIP statistics:

```
switch# clear ip rip statistics
```

Related Commands

Command	Description
show rip statistics	Displays database and interface entry information for the RIP process.

clear ip route

To clear individual routes from the unicast RIB, use the **clear ip route** command.

clear ip route [{******addrprefix*}] [**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 router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default None

Command Modes

Any command mode

Command History

Release	Modification
4.0(3)	This command was introduced.

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

> **Note** The ***** keyword is severely disruptive to routing.

This command does not require a license.

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.

clear ip traffic

To clear IP traffic information, use the **clear ip traffic** command.

clear   ip   traffic

Syntax Description

This command has no keywords or arguments.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command does not require a license.

Examples

This example shows how to clear the IP traffic information:

```
switch(config)# clear ip traffic
```

Related Commands

Command	Description
show ip traffic	Displays IP traffic information.

clear ip wccp

To remove Web Cache Communication Protocol (WCCP) statistics (counts) maintained on the router for a particular service, use the **clear ip wccp** command.

clear ip wccp [**vrf** *vrf-name*] {*service-number* | **web-cache**}

Syntax Description	vrf *vrf-name*	(Optional) Specifies the VRF in which the service group needs to be created. If no VRF is specified, then the service number is created in the default global VRF. The *vrf-name* can be any case-sensitive, alphanumeric string up to 32 characters.
	service-number	Dynamic service identifier. The *service-number* range is from 1 to 255.
	web-cache	Specifies the web-cache well-known service.

Command Default   None

Command Modes

Any command mode

Command History

Release	Modification
5.2(0) to 6.1(0)	This command has been deprecated from 5.2(0) to 6.1(0) onwards.
4.2(1)	This command was introduced.

Usage Guidelines   Use the **clear ip wccp** command to clear the WCCP statistics.

This command does not require a license.

Examples   This example shows how to clear the WCCP statistics for the web cache service:

```
switch(config)# clear ip wccp web-cache
```

Related Commands

Command	Description
feature wccp	Enables the WCCP feature.
ip wccp	Enables WCCP redirection for a service.
show ip wccp	Displays global statistics related to WCCP.

clear ipv6 adjacency statistics

To clear adjacency statistics, use the **clear ipv6 adjacency statistics** command.

clear ipv6 adjacency statistics

Syntax Description   This command has no keywords or arguments.

Command Default   None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples

This example shows how to clear the adjacency statistics:

```
switch# clear ipv6 adjacency statistics
```

Related Commands

Command	Description
show ipv6 adjacency	Displays adjacency information.

clear ipv6 eigrp accounting

To clear the prefix accounting information for the Enhanced Interior Gateway Routing Protocol (EIGRP) for IPv6 processes, use the **clear ipv6 eigrp accounting** command.

clear ipv6 eigrp [*instance-tag*] **accounting** [**vrf** {*vrf-name* | *****}]

Syntax Description		
instance-tag	(Optional) Instance tag. This option is available when a virtual routing and forwarding (VRF) instance is not specified. The instance tag can be any case-sensitive, alphanumeric string up to 63 characters.	
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-insensitive alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.	
vrf *	(Optional) Specifies all VRF instances.	

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.1(2)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear the EIGRP accounting information:

```
switch# clear ipv6 eigrp accounting
```

clear ipv6 eigrp neighbors

To remove and reestablish the Enhanced Interior Gateway Routing Protocol (EIGRP) for IPv6 neighbor entries from the appropriate table, use the **clear ipv6 eigrp neighbors** command in EXEC mode.

clear ipv6 eigrp [*instance-tag*] **neighbors** [{******ipv6-address* | *interface-type interface-instance*}] [**soft**] [**vrf** {*vrf-name* | *****}]

Syntax Description

instance-tag	(Optional) Instance identifier. The *instance-tag* can be any case-sensitive, alphanumeric string up to 63 characters.
*	(Optional) Clears all neighbors.
ipv6-address	(Optional) Address of the neighbor. The format is A:B::C:D.
interface-type	(Optional) Interface type. For more information, use the question mark (**?**) CLI help function.
interface-instance	(Optional) Either a physical interface instance or a virtual interface instance. Specifying these arguments removes the specified interface type from the neighbor table that all entries learned through this interface. For more information about the interface syntax, use the question mark (**?**) online help function.
soft	(Optional) Specifies a soft reset for the neighbors.
vrf *vrf-name* | *****	(Optional) Specifies a particular VPN routing and forwarding instance (VRF) or all VRF instances. The VRF name is an alphanumeric string of up to 32 characters.

Command Default

Clears all instances if no instance is specified. Clears the default VRF if no VRF is specified.

Command Modes

Any

Command History

Release	Modification
4.1(2)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear all EIGRP entries for neighbors on Ethernet interface 2/1:

```
switch# clear ipv6 eigrp vrf * neighbors ethernet 2/1
```

Related Commands

Command	Description
show ipv6 eigrp interfaces	Displays information about interfaces configured for EIGRP.

Command	Description
show ipv6 eigrp neighbors	Displays the neighbors discovered by EIGRP.

clear ipv6 eigrp route-map statistics redistribute

To clear statistics for routes redistributed into the Enhanced Interior Gateway Routing Protocol (EIGRP) for IPv6 topology table, use the **clear ipv6 eigrp route-map statistics redistribute** command.

clear ipv6 eigrp route-map statistics redistribute {**bgp** *id* | **direct** | **eigrp** *id* | **isis** *id* | **ospfv3** *id* | **rip** *id* | **static**} [**vrf** {*vrf-name* | *****}]

Syntax Description

bgp	Clears policy statistics for the Border Gateway Protocol (BGP).
direct	Clears policy statistics for directly connected routes only.
eigrp	Clears policy statistics for EIGRP.
isis	Clears policy statistics for the Intermediate-System to Intermediate-System (IS-IS) routing protocol.
ospv3f	Clears policy statistics for the Open Shortest Path First (OSPF) version 3 protocol.
rip	Clears policy statistics for the Routing Information Protocol (RIP).
static	Clears policy statistics for IP static routes.
id	For the **bgp** keyword, the *id* is an autonomous system number. The range for 2-byte numbers is from 1 to 65535. The range for 4-byte numbers is from 1.0 to 65535.65535. For the **eigrp** keyword, the *id* is an EIGRP instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string. For the **isis** keyword, the *id* is an IS-IS instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string. For the **ospf** keyword, the *id* is an OSPF instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
vrf *vrf-name*|*****	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is an alphanumeric string of up to 32 characters.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.1(2)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear policy statistics for RIP:

```
switch# clear ipv6 eigrp route-map statistics redistribute rip 201
```

Related Commands

Command	Description
show ipv6 eigrp route-map statistics	Displays redistribution statistics for EIGRP.

clear ipv6 eigrp redistribution

To clear redistribution information for Enhanced Interior Gateway Routing Protocol (EIGRP), use the **clear ipv6 eigrp redistribution** command.

clear ipv6 eigrp redistribution [**vrf** {*vrf-name* | ***}]

Syntax Description

vrf *vrf-name*|*****	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is an alphanumeric string of up to 32 characters.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.2(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear redistribution information:

```
switch# clear ipv6 eigrp redistribution
```

Related Commands

Command	Description
feature eigrp	Enables the EIGRP feature.

clear ipv6 eigrp traffic

To clear the Enhanced Interior Gateway Routing Protocol (EIGRP) for IPv6 traffic statistics, use the **clear ipv6 eigrp traffic** command.

clear ipv6 eigrp [*instance-tag*] **traffic** [**vrf** {*vrf-name* | *****}]

Syntax Description

instance-tag	(Optional) Instance of EIGRP. The instance tag can be any case-sensitive, alphanumeric string up to 63 characters.
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-insensitive alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.
vrf *	(Optional) Specifies all VRF instances.

Command Default

This command clears information for the default VRF if no VRF is specified.

Command Modes

Any

Command History

Release	Modification
4.1(2)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear the EIGRP traffic statistics:

```
switch# clear ipv6 eigrp traffic
```

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.

Command Default None

Command Modes

Any command mode

Command History

Release	Modification
4.0(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. |

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
4.0(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 without 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.

Command Default   None

Command Modes

Any command mode

Command History

Release	Modification
4.2(1)	Added **force-clear** keyword.
4.0(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.

clear ipv6 route

To clear individual routes from the unicast RIB, use the **clear ipv6 route** command.

clear ipv6 route [{*addrprefix}] [**vrf** *vrf-name*]

Syntax Description	*	(Optional) Clears all routes.
	addr	(Optional) Clears this route. The format is A:B::C:D.
	prefix	(Optional) Clears this prefix. The format is A:B::C:D/length.
	vrf*vrf-name*	(Optional) Specifies the virtual router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default None

Command Modes

Any command mode

Command History

Release	Modification
4.0(3)	This command was introduced.

Usage Guidelines Use the **clear ipv6 route** command to clear individual routes from the route table.

Note The * keyword is severely disruptive to routing.

This command does not require a license.

Examples

This example shows how to clear the individual route:

```
switch(config)# clear ipv6 route 2001:0DB8::/8
```

Related Commands

Command	Description
show ipv6 route	Displays entries in the route table.

clear ipv6 traffic

To clear IPv6 traffic information, use the **clear ipv6 traffic** command.

clear   ipv6   traffic

Syntax Description This command has no keywords or arguments.

Command Default None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples

This example shows how to clear the IPv6 traffic information:

```
switch# configure terminal
switch(config)# clear ip traffic
```

Related Commands

Command	Description
show ipv6 traffic	Displays IPv6 traffic information.

clear isis adjacency

To clear adjacency information for Intermediate-System-to-Intermediate System (IS-IS), use the **clear isis adjacency** command.

clear isis *[instance-tag]* **adjacency** [{******interface* | **system-id** *sid*}] [**vrf** *vrf-name*]

Syntax Description		
instance-tag	(Optional) Name of the IS-IS instance. The name can be any case-sensitive, alphanumeric string up to 63 characters.
*	(Optional) Clears all adjacency information for all interfaces.
interface	(Optional) Interface. Use **?** to determine the supported interface types.
system-id*sid*	(Optional) Clears the adjacency information for this system ID. The *sid* format is XXXX.XXXX.XXXX.
vrf*vrf-name*	(Optional) Specifies the virtual router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default   None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear all the adjacency information:

```
switch# clear isis adjacency *
```

Related Commands

Command	Description
feature isis	Enables IS-IS on the router.
router isis	Enables IS-IS.

clear isis ip route-map statistics redistribute

To clear statistics for route redistribution for Intermediate-System-to-Intermediate System (IS-IS), use the **clear isis ip route-map statistics redistribute** command.

clear isis [*instance-tag*] **ip route-map statistics redistribute** {**bgp** *id* | **direct** | **eigrp** *id* | **isis** *id* | **ospf** *id* | **rip** *id* | **static**} [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Name of the IS-IS instance. Specify as an alphanumeric string.
bgp	Clears statistics for the Border Gateway Protocol (BGP).
direct	Clears statistics for directly connected routes only.
eigrp	Clears statistics for the Enhanced Interior Gateway Protocol (EIGRP) routing protocol.
isis	Clears statistics for the Intermediate-System to Intermediate-System (IS-IS) routing protocol.
ospf	Clears statistics for the Open Shortest Path First (OSPF) protocol.
rip	Clears statistics for the Routing Information Protocol (RIP).
static	Clears statistics for IP static routes.
id	For the **bgp** keyword, an autonomous system number. The range for 2-byte numbers is from 1 to 65535. The range for 4-byte numbers is from 1.0 to 65535.65535.
	For the **isis**, **eigrp**, and **rip** keywords, an instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco NX-OS stores it internally as a string.
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-insensitive alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to display policy statistics for redistributed routes:

```
switch# clear isis ip route-map statistics redistribute bgp
```

Related Commands

Command	Description
feature isis	Enables IS-IS on the router.
router isis	Enables IS-IS.

clear isis redistribution

To clear redistribution information for Intermediate-System-to-Intermediate System (IS-IS), use the **clear isis redistribution** command.

clear isis *instance-tag* **redistribution** [**vrf** {*vrf-name* | **all**}]

Syntax Description		
instance-tag	(Optional) Name of the IS-IS instance. Specify as an alphanumeric string.
vrf *vrf-name*	**all**	(Optional) Specifies a particular virtual routing and forwarding (VRF) instance. The VRF name is an alphanumeric string of up to 32 characters.

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.2(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear the redistribution information:

```
switch# clear isis redistribution
```

Related Commands

Command	Description
feature isis	Enables the IS-IS feature.

clear isis route-map statistics distribute

To clear statistics for route distribution between level-1 and level-2 areas for Intermediate-System-to-Intermediate System (IS-IS), use the **clear isis route-map statistics distribute** command.

clear isis *[instance-tag}* [{**ip** | **ipv6**}] **route-map statistics distribute** [{**level-1** | **level-2**}] **into** [{**level-1** | **level-2**}] [**vrf** *vrf-name*]

Syntax Description	

instance-tag	(Optional) Name of the IS-IS instance. The name can be any case-sensitive, alphanumeric string up to 63 characters.
ip	(Optional) Clears statistics for IPv4.
ipv6	(Optional) Clears statistics for IPv6.
level-1	(Optional) Clears Level 1 distribution statistics.
level-2	(Optional) Clears Level 2 distribution statistics.
vrf*vrf-name*	(Optional) Specifies the virtual router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default   None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to clear the distribution information:

```
switch# clear isis route-map statistics distribute level-1 into level 2
```

Related Commands

Command	Description
feature isis	Enables IS-IS on the router.
router isis	Enables IS-IS.

clear isis statistics

To clear statistics for Intermediate-System-to-Intermediate System (IS-IS), use the **clear isis statistics** command.

clear isis *instance-tag* **statistics** [{******interface*}] [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Name of the IS-IS instance. The name can be any case-sensitive, alphanumeric string up to 63 characters.
*	(Optional) Clears the statistics for all interfaces.
interface	(Optional) Interface name and interface number. Use **?** to see a list of interfaces.
vrf*vrf-name*	(Optional) Specifies the virtual router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear the IS-IS statistics:

```
switch# clear isis statistics ethernet 7/45
```

Related Commands

Command	Description
feature isis	Enables IS-IS on the router.
router isis	Enables IS-IS.

clear isis traffic

To clear traffic statistics for Intermediate-System-to-Intermediate System (IS-IS), use the **clear isis traffic** command.

clear isis *[instance-tag]* **traffic** [{******interface*}] [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Name of the IS-IS instance. The name can be any case-sensitive, alphanumeric string up to 63 characters.
*	(Optional) Clears the traffic statistics for all interfaces.
interface	(Optional) Interface name and interface number. Use **?** to see a list of interfaces.
vrf*vrf-name*	(Optional) Specifies the virtual router context (VRF) name. The name can be any case-sensitive, alphanumeric string up to 63 characters.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

This command requires the Enterprise Services license.

Examples

This example shows how to clear the traffic statistics:

```
switch# clear isis traffic ethernet 7/45


IS-IS process: test1
VRF: default
IS-IS Traffic for Ethernet7/45:
%PDU         Received         Sent  RcvAuthErr OtherRcvErr  ReTransmit
LAN-IIH             0            0           0           0         n/a
P2P-IIH             0            0           0           0         n/a
CSNP                0            0           0           0         n/a
PSNP                0            0           0           0         n/a
LSP                 0            0           0           0           0
```

Related Commands

Command	Description
feature isis	Enables IS-IS on the router.
router isis	Enables IS-IS.

clear ospfv3 neighbor

To clear neighbor statistics and reset adjacencies for Open Shortest Path First version 3 (OSPFv3), use the **clear ospfv3 neighbor** command.

clear ospfv3 [*instance-tag*] **neighbor** {***neighbor-id* | *interface-type number* | **loopback** *number* | **port-channel** *number*} [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Instance tag. Specify as an alphanumeric string of up to 32 characters.
*	Clears all neighbors.
neighbor-id	Neighbor ID (as an IP address) of the neighbor to clear.
interface-type number	Interface from which to clear all neighbors.
loopback *number*	Clears all neighbors on a loopback interface.
port-channel *number*	Clears all neighbors on a port-channel interface.
vrf *vrf-name*	(Optional) Specifies the name of the OSPFv3 virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string up to 32 characters, except "default" and "all".

Command Default None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines Use the **clear ospfv3 neighbor** command to clear neighbor information from the **show ospfv3 neighbors** command. Use the *instance-tag* argument to clear the neighbor details from one OSPFv3 instance. If you do not use the *instance-tag* argument, Cisco NX-OS clears the neighbor details from all OSPFv3 instances. Use the **show ospfv3 neighbors** command to find the neighbor ID.

This command requires the Enterprise Services license.

Examples This example shows how to clear all OSPFv3 neighbor details for neighbor 192.0.2.1 for instance tag 201:

```
switch# clear ospfv3 201 neighbor 192.0.2.1
```

This example shows how to clear all OSPFv3 neighbor details for all OSPFv3 instances:

```
switch# clear ospfv3 neighbor *
```

This example shows how to clear all OSPFv3 neighbor details for all neighbors on Ethernet interface 1/2 for OSPFv3 instance 202:

```
switch# clear ospfv3 202 neighbor ethernet 1/2
```

Related Commands

Command	Description
show ospfv3 neighbor	Displays details for OSPFv3 neighbors including the neighbor ID.

clear ospfv3 policy statistics

To clear policy statistics for Open Shortest Path First version 3 (osPFv3), use the **clear ospfv3 policy statistics** command.

clear ospfv3 [*instance-tag*] **policy statistics** {**area** *area-id* **filter-list** {**in** | **out**} | **redistribute** {**bgp** *autonomous-system* | **direct** | **eigrp** *id* | **isis** *id* | **rip** *id* | **static**}} [**vrf** *vrf-name*]

Syntax Description

instance-tag	(Optional) Instance tag. Specify as an alphanumeric string of up to 32 characters.
area	Clears policy statistics for an area.
area-id	Area ID as an integer or IP address.
filter-list	Specifies the policy statistics for filtered prefixes between OSPFv3 areas.
in	Filters prefixes sent into this OSPFv3 area.
out	Filters prefixes sent from this OSPFv3 area.
redistribution	Clears OSPFv3 route redistribution statistics.
bgp *autonomous-system*	Specifies the autonomous system number for the Border Gateway Protocol. Specify the autonomous system number as *x.y*, where the range is from 1 to 65535 for both *x* and *y*, or as a single integer, where the range is from 1 to 65535.
direct	Specifies directly connected routes.
eigrp *id*	Specifies the EIGRP instance. Specify the *id* argument as any alphanumeric string.
isis *id*	Specifies the Intermediate System to Intermediate System instance. Specify the *id* argument as any alphanumeric string.
rip *id*	Specifies the Routing Information Protocol instance. Specify the *id* argument as any alphanumeric string.
static	Specifies static routes.
vrf *vrf-name*	(Optional) Specifies the name of the OSPFv3 virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string up to 32 characters, except "default" and "all".

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   Use the **clear ospfv3 statistics** command to learn the policy statistics shown in the **show ospfv3 policy statistics** command. Use the *instance-tag* argument to clear the policy statistics from one OSPFv3 instance.

Cisco NX-OS clears the policy statistics from all OSPFv3 instances. Use the **show ospfv3 policy statistics** command to to view the statistics that you are clearing.

This command requires the Enterprise Services license.

Examples   This example shows how to clear all OSPFv3 policy statistics for area 99 inbound filtered routes for OSPFv3 201:

```
switch# clear ospfv3 201 policy statistics area 99 filter-list in
```

This example shows how to clear all OSPFv3 policy statistics for all BGP redistributed routes for OSPFv3 202:

```
switch# clear ospfv3 202 policy statistics redistribute bgp
```

Related Commands

Command	Description
show ospfv3 policy statistics	Displays details for OSPFv3 policies.

clear ospfv3 statistics

To clear Open Shortest Path First version 3 (OSPFv3) event statistics, use the **clear ospfv3** statistics command.

clear ospfv3 [*instance-tag*] **statistics** [**vrf** *vrf-name*]

Syntax Description	*instance-tag*	(Optional) Instance tag. Specify as an alphanumeric string of up to 32 characters.
	vrf *vrf-name*	(Optional) Specifies the name of the OSPFv3 virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string up to 32 characters, except "default" and "all".

Command Default None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines Use the **clear ospfv3 statistics** command to clear the event statistics from one or more OSPFv3 instances. If you do not specify the *instance-tag* argument, Cisco NX-OS clears statistics from all OSPFv3 instances. Use the **show ospfv3 statistics** command to to view the statistics that you are clearing.

This command requires the Enterprise Services license.

Examples This example shows how to clear all OSPFv3 event statistics:

```
switch# clear ospfv3 statistics
```

Related Commands

Command	Description
show ospfv3 statistics	Displays event statistics for OSPFv3.

clear ospfv3 traffic

To clear Open Shortest Path First version 3 (OSPFv3) traffic statistics, use the **clear ospfv3 traffic** command.

clear ospfv3 [*instance-tag*] **traffic** [**vrf** *vrf-name*]

Syntax Description	*instance-tag*	(Optional) Instance tag. Specify as an alphanumeric string of up to 32 characters.
	vrf *vrf-name*	(Optional) Specifies the name of the OSPFv3 virtual routing and forwarding instance (VRF). The *vrf-name* argument can be any alphanumeric string up to 32 characters, except "default" and "all".

Command Default   None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   Use the **clear ospfv3 traffic** command to clear the traffic statistics from one or more OSPFv3 instances. If you do not specify the *instance-tag* argument, Cisco NX-OS clears traffic statistics from all OSPFv3 instances. Use the **show ospfv3 traffic statistics** command to to view the statistics that you are clearing.

This command requires the Enterprise Services license.

Examples   This example shows how to clear OSPFv3 traffic statistics for OSPFv3 100:

```
switch# clear ospfv3 100 traffic
```

Related Commands

Command	Description
show ospfv3 traffic statistics	Displays OSPFv3 traffic statistics.

clear route-map pbr-statistics

To clear policy-based statistics for a route map, use the **clear route-map pbr statistics** command..

clear route-map *name* **pbr-statistics**

Syntax Description

name	Name of the route map. The name can be any alphanumeric string up to 63 characters.

Command Default

None

Command Modes

Any

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines

Use the **clear route-map pbr-statistics** command to clear policy-based routing statistics enabled by the **route-map pbr-statistic**s command.

This command requires the Enterprise Services license.

Examples

This example shows how to clear the policy-based routing statistics for a route map:

```
switch# clear route-map testmap pbr-statistics
```

Related Commands

Command	Description
route-map pbr-statistics	Enables policy-based routing statistics for a route map.

clear sockets statistics

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

clear sockets statistics [{**all** | **raw** | **raw6** | **tcp** | **tcp6** | **udp** | **udp6**}]

Syntax Description

all	(Optional) Clears all the socket statistics.
raw	(Optional) Clears the socket statistic for the raw IPv4 protocols.
raw6	(Optional) Clears the socket statistic for the raw IPv6 protocols.
tcp	(Optional) Clears the socket statistic for the TCP IPv4 protocols.
tcp6	(Optional) Clears the socket statistic for the TCP IPv6 protocols.
udp	(Optional) Clears the socket statistic for the UDP IPv4 protocols.
udp6	(Optional) Clears the socket statistic for the UDP IPv6 protocols.

Command Default None

Command Modes

Any command mode

Command History

Release	Modification
4.1(2)	This command was introduced.

Usage Guidelines This command does not require a license.

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

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

Related Commands

Command	Description
show sockets statistics	Displays information about the socket statistics.
show sockets client	Displays information about the socket client information.
show sockets connection	Displays information about the socket connection.

clear vrrp

To clear the Virtual Router Redundancy Protocol (VRRP) statistics, use the **clear vrrp** command.

clear vrrp {**statistics** | [{**ipv4** | **vr** *id*}] **interface** *if-number*}

Syntax Description	**statistics**	(Optional) Clears all VRRP statistics.
	ipv4	(Optional) Clears VRRP statistics on an interface.
	vr *id*	(Optional) Clears VRRP statistics in a VRRP group on an interface.
	interface *if-number*	(Optional) Clears VRRP statistics on an interface. Use **?** to see a list of supported interfaces.

Command Default   None

Command Modes

Any

Command History	Release	Modification
	4.0(1)	This command was introduced.

Usage Guidelines   This command does not require a license.

Examples   This example shows how to clear VRRP statistics:

```
switch# configure terminal
switch(config)# clear vrrp
```

Related Commands	Command	Description
	feature vrrp	Enables the VRRP feature.
	clear vrrp	Clears VRRP statistics.

confederation

To configure the confederation parameters for the Border Gateway Protocol (BGP, use the **confederation** command.

confederation {**identifier** | **peers**} *as-number*

Syntax Description

identifier	Sets the routing domain confederation AS number.
peers	Sets the peer AS numbers for a BGP confederation.
as-number	Autonomous system number. The AS number can be a 16-bit integer or a 32-bit integer in the form of <higher 16-bit decimal number>.<lower 16-bit decimal number>.

Command Default   None

Command Modes

Router configurationRouter VRF mode

Command History

Release	Modification
4.0(1)	This command was introduced.

Usage Guidelines   This command requires the Enterprise Services license.

Examples   This example shows how to configure the confederation identifier:

```
switch# configure terminal
switch(config)# router bgp 65536.33
switch(config-router)# confederation identifier 65536.33
```

Related Commands

Command	Description
show bgp	Displays information about BGP.