C Commands

This chapter describes the Cisco NX-OS Border Gateway Protocol (BGP) commands that begin with C.

clear bgp

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

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

Syntax Description

ipv4	Clears the BGP information for the IPv4 address family.
multicast	Clears BGP information for the multicast address family.
unicast	Clears BGP information for the unicast address family.
all	Clears the BGP information for all address families.
neighbor	Network address. The format is A.B.C.D for IPv4.
*	Clears all neighbors.
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 virtual routing and forwarding (VRF) context name or all VRF instances. 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	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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** {**unicast** | **multicast**} | **all**} **dampening** [*neighbor* | *prefix*] [**vrf** *vrf-name* | **all** | **default** | **management**]

Syntax Description

ipv4	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.
all	Clears BGP information for all address families.
neighbor	(Optional) Neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	(Optional) Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
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.
all	(Optional) Clears BGP information from all VRFs.
default	(Optional) Clears BGP information from the default VRF.
management	(Optional) Clears BGP information from the management VRF.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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 {**ipv4** {**multicast** | **unicast**} | **all**} **flap-statistics** [*neighbor* | *prefix*] [**vrf** *vrf-name* | **all** | **default** | **management**]

Syntax Description

ipv4	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.
all	Clears BGP information for all address families.
neighbor	(Optional) Neighbor from the selected address family. The format is *A.B.C.D* for IPv4.
prefix	(Optional) Prefix from the selected address family. The format is *A.B.C.D/length* for IPv4.
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.
all	(Optional) Clears BGP information from all VRFs.
default	(Optional) Clears BGP information from the default VRF.
management	(Optional) Clears BGP information from the management VRF.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN Enterprise Services license.

Examples

This example shows how to clear BGP route flap statistics:

```
switch# clear bgp ipv4 multicast 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 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 mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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 BGP policy statistics.

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 arguments or keywords.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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 BGP policy statistics.

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	(Optional) Clears policy statistics for the neighbor filter list.
prefix-list	(Optional) Clears policy statistics for the neighbor prefix list.
route-map	(Optional) 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 mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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 BGP policy statistics.

clear bgp policy statistics redistribute

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

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

Syntax Description

direct	Clears policy statistics for directly connected routes only.
eigrp	Clears policy statistics for Enhanced Interior Gateway Routing Protocol (EIGRP).
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 Nexus 6000 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 Nexus 6000 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.
all	(Optional) Specifies the “all” VRF instance.
default	(Optional) Specifies the default VRF.
management	(Optional) Specifies the management VRF.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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 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**} | **all**} {*neighbor* | * | *as-number* | **peer-template** *name* | *prefix*} [**vrf** *vrf-name* | **all** | **default** | **management**]

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.
all	Clears the BGP information for all address families.
neighbor	Network address. The format is A.B.C.D for IPv4.
*	Clears all BGP routes.
as-number	Autonomous system (AS) 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 (VRF) instance. The VRF name can be any case-sensitive, alphanumeric string up to 32 characters.
all	(Optional) Clears the BGP information from all VRF entries.
default	(Optional) Clears the BGP information from the default VRF.
management	(Optional) Clears the BGP information from the management VRF.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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**} | **all**] **dampening** [*neighbor* | *prefix*] [**vrf** *vrf-name* | **all** | **default** | **management**]

Syntax Description

ipv4	(Optional) Clears BGP information for the IPv4 address family.
unicast	(Optional) Clears BGP information for the unicast address family.
multicast	(Optional) Clears BGP information for the multicast address family.
all	(Optional) Clears the BGP information for all address families.
neighbor	(Optional) Neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	(Optional) Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
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.
all	(Optional) Clears the BGP information from all VRF entries.
default	(Optional) Clears the BGP information from the default VRF.
management	(Optional) Clears the BGP information from the management VRF.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Command History

Usage Guidelines

This command requires the LAN Enterprise Services license.

Examples

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

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

clear ip bgp flap-statistics

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

clear ip bgp flap-statistics [*neighbor* | *prefix*] [**vrf** *vrf-name* | **all** | **default** | **management**]

Syntax Description

neighbor	(Optional) Neighbor from the selected address family. The format is A.B.C.D for IPv4.
prefix	(Optional) Prefix from the selected address family. The format is A.B.C.D/length for IPv4.
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.
all	(Optional) Clears the BGP information from all VRF entries.
default	(Optional) Clears the BGP information from the default VRF.
management	(Optional) Clears the BGP information from the management VRF.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN Enterprise Services license.

Examples

This example shows how to clear BGP route flap statistics:

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

client-to-client reflection

To enable or restore route reflection from a Border Gateway Protocol (BGP) route reflector to clients, use the client-to-client reflection command. To disable client-to-client route reflection, use the no form of this command.

client-to-client reflection

no client-to-client reflection

Syntax Description

This command has no arguments or keywords.

Command Default

Client-to-client route reflection is enabled by default; when a route reflector is configured, the route reflector reflects routes from a client to other clients.

Command Modes

Router address-family configuration mode

Command History

Release	Modification
6.0(2)N1(1)	**This command was introduced.**

Usage Guidelines

By default, the clients of a route reflector are not required to be fully meshed and the routes from a client are reflected to other clients. However, if the clients are fully meshed, route reflection is not required. In this case, use the no client-to-client reflection command to disable client-to-client reflection.

Examples

This example shows how to configure a router as a route reflector:

```
switch(config)# router bgp 50000
switch(config-router)# address-family ipv4 multicast
switch(config-router-af)# client-to-client reflection
switch(config-router-af)#
```

Related Commands

Command	Description
address-family (BGP router)	Places the router in address family configuration mode for configuring routing sessions that use standard IPv4 address prefixes.
show ip bgp	Displays entries in the BGP routing table.

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 autonomous system (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 configuration mode

VRF configuration mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

This command requires the LAN 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.