B Show Commands

show background

show background

Syntax Description

show	Show running system information
background	show background processes (started with 'source background <file>' command)

Command Mode

- /exec

show banner motd

show banner motd

Syntax Description

show	Show running system information
banner	Show current motd banner message
motd	Show current motd banner message

Command Mode

- /exec

show bash-shell

show bash-shell

Syntax Description

show	Show running system information
bash-shell	Show bash shell status

Command Mode

- /exec

show bfd-app session status

show bfd-app session status { src-ip { <src_ip> dest-ip <dest_ip> | <src_ipv6> dest-ip <dest_ipv6> } { iod <iod_id> | intf <intf_id> } | <all> }

Syntax Description

show	Show running system information
bfd-app	BFD application commands
session	session operation
src-ip	Source ip
src_ip	Source ip value
dest-ip	Destination ip
dest_ip	Destination ip value
iod	interface iod
iod_id	Interface iod in hex
intf	interface
intf_id	Interface Id
status	status of sessions
all	All sessions

Command Mode

- /exec

show bfd

show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [module <module_no>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details]

Syntax Description

show	Show running system information
bfd	BFD commands
ip_type	(Optional) ipv4 or ipv6
neighbors	neighbors
module	(Optional) module
module_no	(Optional) module number
interface	(Optional) interface
intf_id	(Optional) show bfd sessions based on interface id
application	(Optional) application
bfd_cli_client_names	(Optional) __nil__ Clients need to register with bfd for this list
src-ip	(Optional) Source ip
src-ipv6	(Optional) Source ip
src_ip	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest-ipv6	(Optional) Destination ip
dest_ip	(Optional) Destination ip value
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
details	(Optional) details

Command Mode

- /exec

show bfd addrmap

show bfd addrmap [application <appid> discriminator <discr> address-type <addrtype> address <addr>]

Syntax Description

show	Show running system information
bfd	BFD commands
addrmap	Session
application	(Optional)
discriminator	(Optional)
address-type	(Optional)
address	(Optional)
appid	(Optional)
discr	(Optional)
addrtype	(Optional)
addr	(Optional)

Command Mode

- /exec

show bfd clients

show bfd clients

Syntax Description

show	Show running system information
bfd	BFD commands
clients	bfd client list

Command Mode

- /exec

show bfd discrmap

show bfd discrmap [<discr>]

Syntax Description

show	Show running system information
bfd	BFD commands
discrmap	Session
discr	(Optional)

Command Mode

- /exec

show bfd intfipmap

show bfd intfipmap [interface <intf> address-type <addrtype> address <addr>]

Syntax Description

show	Show running system information
bfd	BFD commands
intfipmap	Session
interface	(Optional)
address-type	(Optional)
address	(Optional)
intf	(Optional)
addrtype	(Optional)
addr	(Optional)

Command Mode

  • /exec

show bfd scalar

show bfd scalar

Syntax Description

show	Show running system information
bfd	BFD commands
scalar	bfd mib scalars

Command Mode

- /exec

show bfd session

show bfd session { [discriminator <sessionIndex>] | [interface <intf_id>] | [application <app_name>] | [src-ip <src_ip>] | [dest-ip <dest_ip>] | [vrf { <vrf-name> | <vrf-known-name> | all }] } +

Syntax Description

show	Show running system information
bfd	BFD commands
session	Session
discriminator	(Optional) Session local discriminator
sessionIndex	(Optional)
interface	(Optional) interface
intf_id	(Optional) show bfd sessions based on interface id
application	(Optional) application
app_name	(Optional) show bfd session based on application name
src-ip	(Optional) Source ip
src_ip	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest_ip	(Optional) Destination ip value
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] sessions [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
sessions	Display session information for all peers

Command Mode

- /exec

show bgp (vrf ipv6 default-info)

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } default-info [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
default-info	Display information about default routes
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

• /exec

show bgp (vrf ipv6)

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } } | ipv4 mvpn | ipv6 mvpn } neighbors [{ <neighbor-id>
| <ipv6-neighbor-id> | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> }] [vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	(Optional) Display one particular BGP neighbor
neighbor-prefix-id	(Optional) Display details for a prefix peering
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp (vrf neighbors advertised-routes)

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } } } neighbors { <neighbor-id> | <ipv6-neighbor-id> } } { routes [advertised | received | dampened] | advertised-routes | received-routes } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
routes	Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
advertised-routes	Display all the routes advertised to this peer
received-routes	Display all the routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer

Command Mode

- /exec

show bgp (vrf neighbors flap-statistics)

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } neighbors { <neighbor-id> | <ipv6-neighbor-id> } flap-statistics [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
flap-statistics	Display flap statistics for routes received from this peer

Command Mode

- /exec

show bgp (vrf neighbors paths)

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } } } neighbors { <neighbor-id> | <ipv6-neighbor-id> } paths [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
paths	Display AS paths learned from this peer

Command Mode

- /exec

show bgp (ipv4 ipv6 commands)

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } } } neighbors { <neighbor-id> | <ipv6-neighbor-id> } commands [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbor-id	Display one particular BGP neighbor
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
neighbors	Display all configured BGP neighbors
commands	Display details on commands

Command Mode

- /exec

show bgp (ipv4 ipv6) summary

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } summary

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp summary

show bgp { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn | ipv6 mvpn | all } summary [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families

Command Mode

• /exec

show bgp (vrf unicast multicast)

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { { ip | ipv4 } { unicast | multicast } | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] } nexthop <ipnexthop> | { ipv6 { unicast | multicast } | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] } nexthop <ipv6nexthop> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
ipnexthop	Nexthop address
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family

Command Mode

- /exec

show bgp all nexthop-database

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { { { ip | ipv4 } { unicast | multicast } | ipv4 mvpn } nexthop-database [<ipnexthop>] } | { { ipv6 { unicast | multicast } | ipv6 mvpn } nexthop-database [<ipv6nexthop>] } | { all nexthop-database } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
nexthop-database	Display nexthop database
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
mvpn	Display BGP information for MVPN address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
ipnexthop	(Optional) Nexthop address

Command Mode

• /exec

show bgp all flap-statistics

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } {
unicast | multicast } flap-statistics [<ip-prefix> | <ip-addr> [<ip-mask>]] | ipv6 { unicast | multicast }
flap-statistics [<ipv6-prefix>] | all flap-statistics } [vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ip-prefix	(Optional) Display flap statistics for one prefix
ip-addr	(Optional) Display flap statistics for one network
ip-mask	(Optional) Network mask
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp convergence

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] convergence [detail] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
convergence	Display information about convergence
detail	(Optional) Display detailed information about convergence

Command Mode

- /exec

show bgp convergence private

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] convergence private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
convergence	Display information about convergence
private	Display private information about convergence

Command Mode

- /exec

show bgp process

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] process [detail] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
process	BGP global information
detail	(Optional) Detailed information
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show bgp event-history statistics

show bgp [internal] event-history { <bgp-event-hist> | errors | msgs | detail } [statistics]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
internal	(Optional) Commands for internal use
event-history	Show various event logs of BGP
bgp-event-hist	Show BGP event log
detail	Show detailed event logs
errors	Show error logs of BGP
msgs	Show various message logs of BGP
statistics	(Optional) Event history buffer statistics

Command Mode

- /exec

show bgp (vrf policy statistics)

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } policy statistics { { redistribute [{ { eigrp | isis | ospf | rip } <tag> } | static | direct | amt | lisp] } | { neighbor <neighbor-id> [default-originate | { route-map | filter-list | prefix-list } { in | out }] } | { dampening } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } | { aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | ipv6 { unicast | multicast } policy statistics { { redistribute [{ { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp] } | { neighbor { <neighbor-id> | <ipv6-neighbor-id> } [default-originate | { route-map | filter-list | prefix-list } { in | out }] } | { dampening } | { network <ipv6-prefix> } | { aggregate-address <ipv6-prefix> { suppress-map | advertise-map } } } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
policy	Display policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First
ospfv3	(Optional) Open Shortest Path First v3
rip	(Optional) Routing Information Protocol
eigrp	(Optional) Enhanced Interior Gateway Protocol
static	(Optional) Static routes
direct	(Optional) Directly connected
amt	(Optional) AMT anycast prefix

lisp	(Optional) LISP EID-prefixes in the non-default VRF
tag	(Optional) Source protocol tag
neighbor	Show neighbor specific counters
neighbor-id	Neighbor IPv4 address
route-map	(Optional) Neighbor route-map
prefix-list	(Optional) Neighbor prefix-list
filter-list	(Optional) Neighbor filter-list
out	(Optional) Outbound policy
in	(Optional) Inbound policy
default-originate	(Optional) Default-originate policy
dampening	Show dampening info
network	Configured IP prefix to advertise
mask	Configured mask of the IP prefix advertised
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
ip-addr	IP network advertised
ip-mask	Dotted 4-octet mask
ip-prefix	IP prefix in CIDR format

Command Mode

- /exec

show bgp (vrf)

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { { ip | ipv4 } { unicast | multicast } } [<ip-addr> [<ip-mask> [longer-prefixes]] | <ip-prefix> [longer-prefixes] | labels | exported | imported] | { ipv6 { unicast | multicast } } [<ipv6-prefix> [longer-prefixes] | labels | exported | imported] | { } [<ip-addr> [<ip-mask>]] | <ip-prefix> | labels] | { ipv4 | ipv6 } unicast [injected-routes] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [join <v4src-addr> <v4grp-addr> <src-asn> | rp <v4src-addr> <grp-v4prefix> <pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v4prefix>]] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [join <v6src-addr> <v6grp-addr> <src-asn> | rp <v6src-addr> <grp-v6prefix> <pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v6prefix>]] | all } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip-addr	(Optional) Display one particular network from the BRIB in detail
ip-mask	(Optional) Mask for one particular prefix in the BRIB
ip-prefix	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
labels	(Optional) Display BGP labels for prefixes
exported	(Optional) Display only exported prefixes
imported	(Optional) Display only imported prefixes
injected-routes	(Optional) Display only injected prefixes
rd	(Optional) Display information for a route distinguisher
ipv4-rt	(Optional) EVPN IPv4 address
mac-address	(Optional) MAC address
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ip	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family

unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
join	(Optional) Display Multicast Join route
sa	(Optional) Display Multicast Source Active AD route
rp	(Optional) Display Multicast Group to RP route
v4src-addr	(Optional) Source IP Address
src-asn	(Optional) Source ASN
v4grp-addr	(Optional) Group IP Address
grp-v4prefix	(Optional) Group IP prefix
pe-addr	(Optional) PE IP Address
rp-flags	(Optional) Flags
rp-priority	(Optional) RP Priority
hashlen	(Optional) Hash mask length

Command Mode

- /exec

show bgp (vrf extcommunity-list)

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | all } {
route-map { <rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | { community-list
{ <commlist-name> | <test_pol_name> } | extcommunity-list { <extcommlist-name> | <test_pol_name> } }
[exact-match] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
route-map	Display routes matching the route-map
rmap-name	Route-map name
rmap-name	Known route-map name
filter-list	Display routes matching the filter-list
fltrlist-name	Name of filter-list
community-list	Display routes matching the community-list
commlist-name	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
extcommlist-name	Name of extcommunity-list
test_pol_name	An existing test-list policy
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family

multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show bgp prefix-list

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } } prefix-list { <prfxlist-name> | <test_pol_name> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
prfxlist-name	Name of prefix-list
test_pol_name	An existing test-list policy
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family

Command Mode

- /exec

show bgp regexp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } regexp <regexp-str> [vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
regexp-str	Regular expression to match the AS paths

Command Mode

- /exec

show bgp self-originated

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } self-originated [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
self-originated	Self originated routes

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } { rib-install | rib-uninstall | rib-pending } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
rib-install	Routes installed in RIB
rib-uninstall	Routes not installed in RIB
rib-pending	Routes not acknowledged by RIB

Command Mode

- /exec

show bgp community

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | all }
community { <regexp-str> | { { <comm-id> | <wellknown-id> } + [exact-match] } } [vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
community	Display routes matching the BGP communities
regexp-str	Regular expression to match the communities
comm-id	BGP community value
wellknown-id	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show bgp non-transitive

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | all } extcommunity { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
regexp-str	Regular expression to match the extcommunities
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
ext-comm-gen-trans	Extcommunity number aa4:nn format
ext-comm-gen-nontrans	Extcommunity number aa4:nn format

exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show bgp flap-statistics

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | all } dampening { dampened-paths [regexp <regexp-str>] | flap-statistics | parameters | history-paths [regexp <regexp-str>] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampened-paths	Display all dampened paths
history-paths	Display all history paths
dampening	Display dampening info
flap-statistics	Display flap statistics for routes
parameters	Display dampening parameters
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
regexp-str	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show bgp received-paths

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | all } received-paths [private] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
private	(Optional) private

Command Mode

- /exec

show bgp private

show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { all_private | session | ipc | rnh | lists | rpm-info [route-map <rpm-name> { <ip-prefix> | <ipv6-prefix> }] | attr [{ <ip-prefix> }] | rpm-attribute-cache | rpm-comm-attr-cache | virtual [summary] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
all_private	Show all info
session	Show session info
lists	Show BGP internal lists
route-map	(Optional) Show information for route-map
rpm-info	Show BGP policy outbound info
ip-prefix	(Optional) Show attribute for a prefix
rpm-name	(Optional) Route-map name
attr	Show attribute information
ipc	Show ipc information
rnh	Show recursive next hops
rpm-attribute-cache	Show rpm attribute cache statistics
rpm-comm-attr-cache	Show rpm community attribute cache statistics
summary	(Optional) Summary only
virtual	Virtualization related
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show bgp private

show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | all } damp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
damp	Show dampening info

Command Mode

- /exec

show bgp private attr

show bgp private attr [remote-nh] [[[ipv4 { unicast | multicast } <ip-prefix>] | [ipv6 { unicast | multicast } <ipv6-prefix>]] [detail]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
attr	Show BGP attributes
remote-nh	(Optional) Show Remote NH Attr
ipv4	(Optional) Display BGP information for IPv4 address family
ipv6	(Optional) Display BGP information for IPv6 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
detail	(Optional) Show detailed info
ip-prefix	(Optional) Show attribute for a prefix

Command Mode

- /exec

show bgp statistics

show bgp statistics

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
statistics	BGP global statistics

Command Mode

- /exec

show boot

show boot

Syntax Description

show	Show running system information
boot	Show Bootvar Variables

Command Mode

- /exec

show boot auto-copy

show boot auto-copy

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autocopy is turned on

Command Mode

- /exec

show boot auto-copy list

show boot auto-copy list

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autocopy is turned on
list	Show the list of files to be auto-copied

Command Mode

- /exec

show boot current

show boot current

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
current	Show Current Bootvar Variables

Command Mode

- /exec

show boot module

show boot module [[<module>] [<s0>]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
module	Enter module to show config of all modules
module	(Optional) Enter module number to show config
s0	(Optional) Enter module keyword to show config

Command Mode

- /exec

show boot order

show boot order

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
order	Show Boot Order

Command Mode

- /exec

show boot sup-1

show boot sup-1

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
sup-1	Enter sup-1 to show the 1st sup config

Command Mode

- /exec

show boot sup-2

show boot sup-2

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
sup-2	Enter sup-2 to show the 2nd sup config

Command Mode

- /exec

show boot variables

show boot variables

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
variables	Display the list of boot variables

Command Mode

- /exec

show bootmode

show bootmode [module <module>]

Syntax Description

show	Show running system information
bootmode	show bootmode of the all linecard modules
module	(Optional) show bootmode of a specific linecard module
module	(Optional) please enter module number

Command Mode

- /exec

show buffers ip

show buffers ip [{ [all <count>] [free <count>] }]

Syntax Description

show	Show running system information
buffers	Display detailed buffer statistics
ip	Display IP buffer information
all	(Optional) Dump buffers from ALL list
free	(Optional) Dump buffers from FREE list
count	(Optional) Number of buffers to dump

Command Mode

- /exec