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show background

show background

Syntax Description

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 [ __readonly__ { banner_msg <b_msg> } ]
```

Syntax Description

Syntax Description		
show		Show running system information
banner		Show current motd banner message
motd		Show current motd banner message
<i>__readonly__</i>	(Optional)	
<i>banner_msg</i>	(Optional)	The banner message
<i>b_msg</i>	(Optional)	The banner message

Command Mode

- /exec

show bash-shell

```
show bash-shell [ __readonly__ { operation_status <o_status> } ]
```

Syntax Description

Syntax Description		
	show	Show running system information
	bash-shell	Show bash shell status
	<i>__readonly__</i>	(Optional)
	<i>operation_status</i>	(Optional) Bash shell status
	<i>o_status</i>	(Optional) operational status of bash shell

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

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

Command Mode

- /exec

show bfd addrmap

```
show bfd addrmap [ application <appid> discriminator <discr> address-type <addrtype> address <addr> ] [
__readonly__ TABLE_bfdSessMapTable <ciscoBfdSessApplicationId> <ciscoBfdSessDiscriminator>
<ciscoBfdSessAddrType> <ciscoBfdSessAddr> <ciscoBfdSessMapBfdIndex> ]
```

Syntax Description

Syntax Description		
show		Show running system information
bfd		BFD commands
addrmap		Session
application		(Optional)
discriminator		(Optional)
address-type		(Optional)
address		(Optional)
<i>appid</i>		(Optional)
<i>discr</i>		(Optional)
<i>addrtype</i>		(Optional)
<i>addr</i>		(Optional)
<i>__readonly__</i>		(Optional)
TABLE_bfdSessMapTable	(Optional)	Address Map table
<i>ciscoBfdSessApplicationId</i>	(Optional)	
<i>ciscoBfdSessDiscriminator</i>	(Optional)	
<i>ciscoBfdSessAddrType</i>	(Optional)	
<i>ciscoBfdSessAddr</i>	(Optional)	
<i>ciscoBfdSessMapBfdIndex</i>	(Optional)	

Command Mode

- /exec

show bfd clients

show bfd clients [*__readonly__* <header> TABLE-bfdClients <client_name> <num_sess>]

Syntax Description

Syntax Description		
show		Show running system information
bfd		BFD commands
clients		bfd client list
<i>__readonly__</i>		(Optional)
<i>header</i>		(Optional) print header
TABLE-bfdClients		(Optional) BFD Client table
<i>client_name</i>		(Optional) client name
<i>num_sess</i>		(Optional) Number of sessions

Command Mode

- /exec

show bfd discrmap

```
show bfd discrmap [ <discr> ] [ __readonly__ TABLE_bfdDiscMapTable <ciscoBfdSessDiscMapIndex> ]
```

Syntax Description

Syntax Description		
show		Show running system information
bfd		BFD commands
discrmap		Session
<i>discr</i>		(Optional)
<i>__readonly__</i>		(Optional)
<i>TABLE_bfdDiscMapTable</i>	(Optional)	Discriminator map table
<i>ciscoBfdSessDiscMapIndex</i>	(Optional)	

Command Mode

- /exec

show bfd intfipmap

```
show bfd intfipmap [ interface <intf> address-type <addrtype> address <addr> ] [ __readonly__
TABLE_ipMapTable <ciscoBfdSessInterface> <ciscoBfdSessAddrType> <ciscoBfdSessAddr>
<ciscoBfdSessIpMapIndex> ]
```

Syntax Description

Syntax Description		
show		Show running system information
bfd		BFD commands
intfipmap		Session
interface		(Optional)
address-type		(Optional)
address		(Optional)
<i>intf</i>		(Optional)
<i>addrtype</i>		(Optional)
<i>addr</i>		(Optional)
<i>__readonly__</i>		(Optional)
TABLE_ipMapTable	(Optional)	ip map table
<i>ciscoBfdSessInterface</i>	(Optional)	
<i>ciscoBfdSessAddrType</i>	(Optional)	
<i>ciscoBfdSessAddr</i>	(Optional)	
<i>ciscoBfdSessIpMapIndex</i>	(Optional)	

Command Mode

- /exec

show bfd neighbors

```
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 ] [ __readonly__ TABLE_bfdNeighbor <local_disc> [ <header> ] [ <vrf_name> ] [
<src_ip_addr> ] [ <src_ipv6_addr> ] [ <dest_ip_addr> ] [ <dest_ipv6_addr> ] [ <remote_disc> ] [ <local_state>
] [ <remote_state> ] [ <holddown> ] [ <cur_detect_mult> ] [ <intf> ] [ <echo> ] [ <echo_tx> ] [ <local_diag>
] [ <demand> ] [ <poll> ] [ <min_tx> ] [ <min_rx> ] [ <local_multi> ] [ <dectect_timer> ] [ <down_count>
] [ <tx_interval> ] [ <rx_count> ] [ <rx_avg> ] [ <rx_min> ] [ <rx_max> ] [ <last_rx> ] [ <tx_count> ] [
<tx_avg> ] [ <tx_min> ] [ <tx_max> ] [ <last_tx> ] [ <app> ] [ <up_time> ] [ <version> ] [ <diag> ] [
<state_bit> ] [ <demand_bit> ] [ <poll_bit> ] [ <final_bit> ] [ <multiplier> ] [ <length> ] [ <my_disc> ] [
<your_disc> ] [ <min_tx_interval> ] [ <req_min_rx> ] [ <min_echo_interval> ] [ <out_str> ] [ <host_lc> ] [
<down_reason> ] [ <no_host_reason> ] [ <parent> ] [ <per_link_str> ] [ <auth> ] [ <auth_bit> ] [ <print_details>
] ]
```

Syntax Description

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

<i>vrf-known-name</i>	(Optional) Known VRF name
<i>all</i>	(Optional) Display information for all VRFs
<i>details</i>	(Optional) details
<i>__readonly__</i>	(Optional)
<i>TABLE_bfdNeighbor</i>	(Optional) BFD Neighbor table
<i>header</i>	(Optional) Header
<i>vrf_name</i>	(Optional) vrf name
<i>src_ip_addr</i>	(Optional) Source IPV4 address
<i>dest_ip_addr</i>	(Optional) Destination IPV4 address
<i>local_disc</i>	(Optional) Local Discriminator
<i>remote_disc</i>	(Optional) Remote Discriminator
<i>local_state</i>	(Optional) Local State
<i>remote_state</i>	(Optional) Remote State
<i>holddown</i>	(Optional) Hold Down Time
<i>cur_detect_mult</i>	(Optional) Current Detection Multiplier
<i>intf</i>	(Optional) Interface
<i>echo</i>	(Optional) Echo enabled
<i>echo_tx</i>	(Optional) Echo Tx Interval
<i>local_diag</i>	(Optional) Local Diag
<i>demand</i>	(Optional) Demand Mode
<i>poll</i>	(Optional) Poll Bit
<i>min_tx</i>	(Optional) Local Min Tx Interval
<i>min_rx</i>	(Optional) Local Min Rx Interval
<i>local_multi</i>	(Optional) Local Detection Multiplier
<i>dectect_timer</i>	(Optional) Current Detection Timer
<i>down_count</i>	(Optional) Session Down Count
<i>tx_interval</i>	(Optional) Tx Interval
<i>rx_count</i>	(Optional) Tx Count
<i>rx_avg</i>	(Optional) Rx Interval Avg

<i>rx_min</i>	(Optional) Rx Interval Min
<i>rx_max</i>	(Optional) Rx Interval Max
<i>last_rx</i>	(Optional) Last Rx time
<i>tx_count</i>	(Optional) Tx Count
<i>tx_avg</i>	(Optional) Tx Interval Avg
<i>tx_min</i>	(Optional) Tx Interval Min
<i>tx_max</i>	(Optional) Tx Interval Max
<i>last_tx</i>	(Optional) Last Tx time
<i>app</i>	(Optional) App name
<i>up_time</i>	(Optional) Up time
<i>version</i>	(Optional) Version in Last Packet
<i>diag</i>	(Optional) diag in Last Packet
<i>state_bit</i>	(Optional) State Bit in Last Packet
<i>demand_bit</i>	(Optional) Demand Bit in Last Packet
<i>poll_bit</i>	(Optional) Poll Bit in Last Packet
<i>final_bit</i>	(Optional) Final Bit in Last Packet
<i>multiplier</i>	(Optional) Detection Multiplier in Last Packet
<i>length</i>	(Optional) Length in Last Packet
<i>my_disc</i>	(Optional) My Discriminator in Last Packet
<i>your_disc</i>	(Optional) Your Discriminator in Last Packet
<i>min_tx_interval</i>	(Optional) Min Tx Interval in Last Packet
<i>req_min_rx</i>	(Optional) Required Rx Interval in Last Packet
<i>min_echo_interval</i>	(Optional) Min Echo Interval in Last Packet
<i>out_str</i>	(Optional) No Host LC string
<i>parent</i>	(Optional) Parent Session
<i>per_link_str</i>	(Optional) Per Link string
<i>host_lc</i>	(Optional) Host LC
<i>down_reason</i>	(Optional) Session Down Reason
<i>no_host_reason</i>	(Optional) Not Hosted Reason

auth (Optional) Authentication Mode

auth_bit (Optional) Auth Bit in Last Packet

print_details (Optional) print details

Command Mode

- /exec

show bfd scalar

```
show bfd scalar [ __readonly__ <adminStatus> <version> <notifEnable> ]
```

Syntax Description

Syntax Description		
show		Show running system information
bfd		bfd commands
scalar		bfd mib scalars
<i>__readonly__</i>	(Optional)	
<i>adminStatus</i>	(Optional)	bfd admin status
<i>version</i>	(Optional)	bfd version number
<i>notifEnable</i>	(Optional)	Enable bfd traps

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 } ] } + [ __readonly__ <vrf_name_header> TABLE_bfdSessTable <ciscoBfdSessIndex> <isMember> <ciscoBfdSessApplicationId> <ciscoBfdSessDiscriminator> <ciscoBfdSessRemoteDiscr> <ciscoBfdSessUdpPort> <ciscoBfdSessState> <remoteBfdSessState> <ciscoBfdSessRemoteHeardFlag> <ciscoBfdSessDiag> <remoteBfdSessDiag> <ciscoBfdSessOperMode> <ciscoBfdSessDemandModeDesiredFlag> <ciscoBfdSessEchoFuncModeDesiredFlag> <ciscoBfdSessControlPlanIndepFlag> <ciscoBfdSessAddrType> <ciscoBfdSessAddr> <localBfdSessAddr> <ciscoBfdSessDesiredMinTxInterval> <ciscoBfdSessReqMinRxInterval> <ciscoBfdSessReqMinEchoRxInterval> <ciscoBfdSessDetectMult> <remoteBfdSessDesiredMinTxInterval> <remoteBfdSessReqMinRxInterval> <remoteBfdSessReqMinEchoRxInterval> <remoteBfdSessDetectMult> <ciscoBfdSessStorType> <ciscoBfdSessRowStatus> <ciscoBfdSessAuthPresFlag> <ciscoBfdSessAuthenticationType> <ciscoBfdSessVersionNumber> <ciscoBfdSessType> <ciscoBfdSessInterface> <ciscoBfdSessPerfPktIn> <ciscoBfdSessPerfPktOut> <ciscoBfdSessUpTime> <ciscoBfdSessPerfLastSessDownTime> <ciscoBfdSessPerfLastCommLostDiag> <ciscoBfdSessPerfSessUpCount> <ciscoBfdSessPerfDiscTime> <ciscoBfdSessPerfPktInHC> <ciscoBfdSessPerfPktOutHC> <effasynct> <effechodt> ]
```

Syntax Description

Syntax Description

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

<i>all</i>	(Optional) Display information for all VRFs
<i>__readonly__</i>	(Optional)
<i>vrf_name_header</i>	(Optional)
<i>TABLE_bfdSessTable</i>	(Optional) BFD Session table
<i>ciscoBfdSessIndex</i>	(Optional)
<i>isMember</i>	(Optional)
<i>ciscoBfdSessApplicationId</i>	(Optional)
<i>ciscoBfdSessDiscriminator</i>	(Optional)
<i>ciscoBfdSessRemoteDiscr</i>	(Optional)
<i>ciscoBfdSessUdpPort</i>	(Optional)
<i>ciscoBfdSessState</i>	(Optional) Session state
<i>remoteBfdSessState</i>	(Optional) Session state
<i>ciscoBfdSessRemoteHeardFlag</i>	(Optional)
<i>ciscoBfdSessDiag</i>	(Optional) Session diagnostic code
<i>remoteBfdSessDiag</i>	(Optional) Session diagnostic code
<i>ciscoBfdSessOperMode</i>	(Optional) ciscoBfdSessOperMode
<i>ciscoBfdSessDemandModeDesiredFlag</i>	(Optional)
<i>ciscoBfdSessEchoFuncModeDesiredFlag</i>	(Optional)
<i>ciscoBfdSessControlPlanIndepFlag</i>	(Optional)
<i>ciscoBfdSessAddrType</i>	(Optional) ciscoBfdSessAddrType
<i>localBfdSessAddr</i>	(Optional)
<i>ciscoBfdSessAddr</i>	(Optional)
<i>ciscoBfdSessDesiredMinTxInterval</i>	(Optional)
<i>ciscoBfdSessReqMinRxInterval</i>	(Optional)
<i>ciscoBfdSessReqMinEchoRxInterval</i>	(Optional)
<i>ciscoBfdSessDetectMult</i>	(Optional)
<i>remoteBfdSessDesiredMinTxInterval</i>	(Optional)
<i>remoteBfdSessReqMinRxInterval</i>	(Optional)
<i>remoteBfdSessReqMinEchoRxInterval</i>	(Optional)

<i>remoteBfdSessDetectMult</i>	(Optional)
<i>ciscoBfdSessStorType</i>	(Optional) ciscoBfdSessStorType
<i>ciscoBfdSessRowStatus</i>	(Optional)
<i>ciscoBfdSessAuthPresFlag</i>	(Optional)
<i>ciscoBfdSessAuthenticationType</i>	(Optional) ciscoBfdSessAuthenticationType
<i>ciscoBfdSessVersionNumber</i>	(Optional)
<i>ciscoBfdSessType</i>	(Optional) ciscoBfdSessType
<i>ciscoBfdSessInterface</i>	(Optional)
<i>ciscoBfdSessPerfPktIn</i>	(Optional)
<i>ciscoBfdSessPerfPktOut</i>	(Optional)
<i>ciscoBfdSessUpTime</i>	(Optional)
<i>ciscoBfdSessPerfLastSessDownTime</i>	(Optional)
<i>ciscoBfdSessPerfLastCommLostDiag</i>	(Optional)
<i>ciscoBfdSessPerfSessUpCount</i>	(Optional)
<i>ciscoBfdSessPerfDiscTime</i>	(Optional)
<i>ciscoBfdSessPerfPktInHC</i>	(Optional)
<i>ciscoBfdSessPerfPktOutHC</i>	(Optional)
<i>effasyncdt</i>	(Optional)
<i>effechodt</i>	(Optional)

Command Mode

- /exec

show bgp

```
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 | hmm ] } } | { 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 } } } | vpnv4 unicast policy statistics {
neighbor <neighbor-id> [ { route-map | filter-list | prefix-list } { in | out } ] } | ipv6 { unicast | multicast }
policy statistics { { redistribute [ { { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp | hmm ] } |
{ 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 } ] [
__readonly__ TABLE_vrf <vrf-name-polstats> [ <rpm-handle-count> ] [ { TABLE_rmap <name> <action>
<seqnum> [ { TABLE_cmd <command> <comparecount> <matchcount> } ] } ] [ <totalacceptcount> ] [
<totalrejectcount> ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
vpnv4	Display BGP information for VPNv4 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
hmm	(Optional) HMM prefix
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-polstats	(Optional)
rpm-handle-count	(Optional)
TABLE_rmap	(Optional)

<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seqnum</i>	(Optional)
TABLE_cmd	(Optional)
<i>command</i>	(Optional)
<i>comparecount</i>	(Optional)
<i>matchcount</i>	(Optional)
<i>totalacceptcount</i>	(Optional)
<i>totalrejectcount</i>	(Optional)

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
labeled-unicast } [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] | <ip-prefix> [ longer-prefixes ] ] labels |
exported | imported ] | { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast } [ <ipv6-prefix> [ longer-prefixes ] ] labels | exported |
imported ] | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] [ <ip-addr> [ <ip-mask>
] | <ip-prefix> | labels | mdt-group <mdt-group> ] | { ipv4 | ipv6 } unicast [ injected-routes ] | link-state [
route-type <rt-type> | <ipv4-ls-rt> | <ipv6-ls-rt> ] | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] [ { <ip-addr> [ <ip-mask> ] | <ip-prefix> } | { ve-id <ve-id> block-offset <ve-bs>
} ] ] | 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>
] ] | l2vpn evpn [ route-type <rtype> | rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ route-type
<rtype> | <ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address> ] | vni-id <vni_id> [ route-type <rtype> ] |
<ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address> ] | all } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi
<safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] ] [
TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> ] [
<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked> ] [ <export-on-newlist>
<export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { {
<pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath>
<status> <best> <type> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } |
{ <metric> <localpref> <weight> <aspath> <origin> } } } | { <policyincomplete> <pathvalid> <pathbest>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> ] [
<existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> |
<ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
] [ <inlabel> ] [ { TABLE_community <community> } ] [ { TABLE_extcommunity <extcommunity> } ] [
<originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime> <flaps> <flaptime>
<flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax> ] [ <con_type> <con_len>
<con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len>
<psid_v6sid_flag> ] [ <psid_origsrcb_len> <psid_origsrcb_flag> <psid_origsrcb_base> <psid_origsrcb_end>
] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <link-state-attr>
<link-state-attr-len> ] [ <mdt_grp_addr> ] } } ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	(Optional) Display one particular network from the BRIB in detail

<i>ip-mask</i>	(Optional) Mask for one particular prefix in the BRIB
<i>ip-prefix</i>	(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
mdt-group	(Optional) Display prefixes with MDT group address
<i>mdt-group</i>	(Optional) MDT group address
rd	(Optional) Display information for a route distinguisher
ve-id	(Optional) VPLS VE ID
<i>ve-id</i>	(Optional) VPLS VE ID
route-type	(Optional) EVPN Route Type number
<i>rtype</i>	(Optional) EVPN route type number
vni-id	(Optional) EVPN VNI ID number
<i>vni_id</i>	(Optional) EVPN VNI ID number
<i>rt-type</i>	(Optional) Link-State route-type
<i>ipv4-evpn-rt</i>	(Optional) EVPN IPv4 address
<i>ipv4-ls-rt</i>	(Optional) Link-State NLRI with descriptor including IPv4 address
<i>mac-address</i>	(Optional) MAC address
block-offset	(Optional) VPLS VE Block offset
<i>ve-bs</i>	(Optional) VPLS VE Block offset
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 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
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN 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
<i>v4src-addr</i>	(Optional) Source IP Address
<i>src-asn</i>	(Optional) Source ASN
<i>v4grp-addr</i>	(Optional) Group IP Address
<i>grp-v4prefix</i>	(Optional) Group IP prefix
<i>pe-addr</i>	(Optional) PE IP Address
<i>rp-flags</i>	(Optional) Flags
<i>rp-priority</i>	(Optional) RP Priority
<i>hashlen</i>	(Optional) Hash mask length
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)

<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)

<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)

<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)

psid_len (Optional)

psid_lindx_len (Optional)

psid_lindx_flag (Optional)

psid_lindx (Optional)

psid_v6sid_len (Optional)

psid_v6sid_flag (Optional)

psid_origsrgb_len (Optional)

psid_origsrgb_flag (Optional)

psid_origsrgb_base (Optional)

psid_origsrgb_end (Optional)

Command Mode

- /exec

show bgp

```

show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | vpv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv6
unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn
vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | 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 } ] [ _readonly _
TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id>
] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> |
<nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ]
[ <mpath> ] ] { TABLE_path <pathnr> { { <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory>
<pathovermaxaslimit> <pathmultipath> <status> <best> <type> { <ipnexthop> | <ipv6nexthop> } } { <inlabel>
<outlabel> <vpn> <hold_down> } | { <metric> <localpref> <weight> <aspath> <origin> } } } | { [
<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit>
<pathmultipath> <pathnolabeledrn> ] [ <existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop>
} <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight>
[ <aggregator> <aggregatoras> ] [ <inlabel> ] ] { TABLE_community <community> } ] [ {
TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_v6sid_flag> ] [ <psid_origsrgrb_len>
<psid_origsrgrb_flag> <psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <link-state-attr> <link-state-attr-len> ] [ <mdt_grp_addr>
] ] ] ] ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]

```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list

community-list	Display routes matching the community-list
<i>commlist-name</i>	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 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
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
exact-match	(Optional) Exact match of the communities
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)

<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)

<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)

<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)

<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_v6sid_flag</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)

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

Syntax Description		
show		Show running system information
bgp		Display BGP status and configuration
vrf		(Optional) Virtual Router Context
<i>vrf-name</i>		(Optional) VRF name
<i>vrf-known-name</i>		(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

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ip | ipv4 } {
unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv4 unicast [
rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | link-state | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4>
| <ext-comm-rd-aa4nn2> } ] | l2vpn evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast } nexthop <ipnexthop>
| { ipv6 { unicast | multicast } | vpv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] |
ipv6 labeled-unicast | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } nexthop
<ipv6nexthop> } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id>
] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> |
<nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ]
[ <mpath> ] ] { TABLE_path <pathnr> { { <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory>
<pathovermaxaslimit> <pathmultipath> <status> <best> <type> { <ipnexthop> | <ipv6nexthop> } } { <inlabel>
<outlabel> <vpn> <hold_down> } | { <metric> <localpref> <weight> <aspath> <origin> } } } | { [
<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit>
<pathmultipath> <pathnolabeledrn> ] [ <existpath> ] [ <aspath> <source> ] [ <ipnexthop> | <ipv6nexthop>
] <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight>
[ <aggregator> <aggregators> ] [ <inlabel> ] [ { TABLE_community <community> } ] [ {
TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_v6sid_flag> ] [ <psid_origsrgrb_len>
<psid_origsrgrb_flag> <psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <link-state-attr> <link-state-attr-len> ] [ <mdt_grp_addr>
] } } ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]
```

Syntax Description

Syntax Description	Description
show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
<i>ipnexthop</i>	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
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family
<u>__readonly__</u>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)

<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)

<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)

<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_v6sid_flag</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)

psid_origsrgb_base (Optional)

psid_origsrgb_end (Optional)

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { { ip | ipv4 } {
unicast | multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn }
nextthop-database [ <ipnextthop> ] } | { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn }
nextthop-database [ <ipv6nextthop> ] } | { all nextthop-database } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_nhvrfrf <nhvrfrf-name-out> TABLE_nhafi <nhafi>
TABLE_nhsafi <nhsafi> <af-name> <nhcriticaldelay> <nhnoncriticaldelay> [ { TABLE_nextthop {
<ipnextthop-out> | <ipv6nextthop-out> } <refcount> <igpmetric> <igptype> <igppref> [ { TABLE_attachedhops
{ <attachedhop> | <ipv6attachedhop> } <interface> [ { TABLE_labels <index> <label> } ] ] ] <attached>
<local> <reachable> <labeled> <filtered> <resolvetime> { <ribroute> | <ipv6ribroute> } { <pendingupdate>
| <pendingtime> } <nextadvertise> <rnhepoch> [ <pendingrnhepoch> ] } ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
nextthop-database	Display nextthop 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
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
mdt	Display BGP information for multicast distribution tree
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family

<i>all</i>	Display BGP information for all address families
<i>ipnexthop</i>	(Optional) Nexthop address
<i>__readonly__</i>	(Optional)
<i>TABLE_nhvr</i>	(Optional)
<i>nhvr-name-out</i>	(Optional)
<i>TABLE_nhafi</i>	(Optional)
<i>nhafi</i>	(Optional)
<i>TABLE_nhsafi</i>	(Optional)
<i>nhsafi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>nhcriticaldelay</i>	(Optional)
<i>nhnoncriticaldelay</i>	(Optional)
<i>TABLE_nexthop</i>	(Optional)
<i>ipnexthop-out</i>	(Optional)
<i>refcount</i>	(Optional)
<i>igpmetric</i>	(Optional)
<i>igptype</i>	(Optional)
<i>igppref</i>	(Optional)
<i>TABLE_attachedhops</i>	(Optional)
<i>attachedhop</i>	(Optional)
<i>interface</i>	(Optional)
<i>TABLE_labels</i>	(Optional)
<i>index</i>	(Optional)
<i>label</i>	(Optional)
<i>attached</i>	(Optional)
<i>local</i>	(Optional)
<i>reachable</i>	(Optional)
<i>labeled</i>	(Optional)
<i>filtered</i>	(Optional)

resolvetime (Optional)

pendingupdate (Optional)

pendingtime (Optional)

ribroute (Optional)

nextadvertise (Optional)

rnheepoch (Optional)

pendingrnheepoch (Optional)

Command Mode

- /exec

show bgp

```
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 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi
<safi> <af-name> [ TABLE_rd [ <rd_val> ] [ <rd_vrf> [ <rd_vniid> ] ] [ <dampeningenabled> <historypaths>
<dampenedpaths> ] ] [ { TABLE_prefix [ <ipprefix> | <ipv6prefix> ] [ <status> ] [ <pathtype> ] [ <peer> |
<ipv6peer> ] [ <flapcount> ] [ <duration> ] [ <reuse> ] [ <penalty> ] [ <suppresslimit> ] [ <reuselimit> ] [
<best> ] } ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
<i>ip-prefix</i>	(Optional) Display flap statistics for one prefix
<i>ip-addr</i>	(Optional) Display flap statistics for one network
<i>ip-mask</i>	(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
<i>__readonly__</i>	(Optional)
<i>TABLE_vrf</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>TABLE_afi</i>	(Optional)
<i>afi</i>	(Optional)
<i>TABLE_safi</i>	(Optional)

<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>dampeningenabled</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>status</i>	(Optional)
<i>best</i>	(Optional)
<i>pathtype</i>	(Optional)
<i>peer</i>	(Optional)
<i>flapcount</i>	(Optional)
<i>duration</i>	(Optional)
<i>reuse</i>	(Optional)
<i>penalty</i>	(Optional)
<i>suppresslimit</i>	(Optional)
<i>reuselimit</i>	(Optional)

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 mdt [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6
unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn
vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } community {
<regex-str> } [ { <comm-id> | <wellknown-id> } + [ exact-match ] ] [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi>
TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [
<rd_vnuid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths>
<bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked> ] [ <export-on-newlist>
<export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { {
<pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath>
<status> <best> <type> { <ipnexthop> | <ipv6nexthop> } { <inlabel> <outlabel> <vpn> <hold_down> } |
{ <metric> <localpref> <weight> <aspath> <origin> } } ] [ { <policyincomplete> <pathvalid> <pathbest>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabelednrh> ] [
<existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> |
<ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
] [ <inlabel> ] [ { TABLE_community <community> } ] [ { TABLE_extcommunity <extcommunity> } ] [
<originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappentalty> <dampenedtime> <flaps> <flaptime>
<flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax> ] [ <con_type> <con_len>
<con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len>
<psid_v6sid_flag> ] [ <psid_origrsrgb_len> <psid_origrsrgb_flag> <psid_origrsrgb_base> <psid_origrsrgb_end>
] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <link-state-attr>
<link-state-attr-len> ] [ <mdt_grp_addr> ] } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	vrf	(Optional) Virtual Router Context
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(Optional) Known VRF name
	rd	(Optional) Display information for a route distinguisher
	<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
	<i>ext-comm-rd-aa2nn4</i>	(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
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
community	Display routes matching the BGP communities
<i>regexp-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)

TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)

<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)

<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)

psid_lindx (Optional)

psid_v6sid_len (Optional)

psid_v6sid_flag (Optional)

psid_origsrgb_len (Optional)

psid_origsrgb_flag (Optional)

psid_origsrgb_base (Optional)

psid_origsrgb_end (Optional)

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 } ] [ __readonly__ <starttime>
<configdonetime> <juststarted> [ <initwaittime> ] [ <ldpconverged> ] [ <ulibconvergencesent> ] TABLE_vrf
<vrf-name-out> <bestpathtimeout> <configuredtimeout> <updatedelay> [ <firstpeerup> ] <timerrunning> [
<timerexpires> ] TABLE_afi <afi> TABLE_safi <safi> <af-name> <total_configured_peers>
<total_capable_peers> <firstbestpathsignalled> [ <firstbestpathsignalledtime> ] <firstbestpathdone> [
<firstbestpathdonetime> [ <lastbestpathsignalledtime> <lastbestpathdonetime> ] ] [ <riblicconvergencesent>
] [ <importtimerrunning> ] [ <importtimerexpires> ] [ { TABLE_rcvdpeers [ <peer> ] [ <ipv6peer> ] [
<signalledtimepeer> ] } ] [ { TABLE_notrcvdpeers [ <notpeer> ] [ <notipv6peer> ] [ <nokeepalive> ] [
<notsignalledtime> ] } ] ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
convergence	Display information about convergence
detail	(Optional) Display detailed information about convergence
<i>__readonly__</i>	(Optional)
<i>starttime</i>	(Optional)
<i>configdonetime</i>	(Optional)
<i>juststarted</i>	(Optional)
<i>initwaittime</i>	(Optional)
<i>ldpconverged</i>	(Optional)
<i>ulibconvergencesent</i>	(Optional)
TABLE_vrf	(Optional)
<i>total_configured_peers</i>	(Optional)
<i>total_capable_peers</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>bestpathtimeout</i>	(Optional)
<i>updatedelay</i>	(Optional)

<i>firstpeerup</i>	(Optional)
<i>configuredtimeout</i>	(Optional)
<i>timerrunning</i>	(Optional)
<i>timerexpires</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>firstbestpathsignalled</i>	(Optional)
<i>firstbestpathsignalledtime</i>	(Optional)
<i>firstbestpathdone</i>	(Optional)
<i>firstbestpathdonetime</i>	(Optional)
<i>lastbestpathsignalledtime</i>	(Optional)
<i>lastbestpathdonetime</i>	(Optional)
<i>ribribconvergencesent</i>	(Optional)
<i>importtimerrunning</i>	(Optional)
<i>importtimerexpires</i>	(Optional)
TABLE_rcvdpeers	(Optional)
<i>peer</i>	(Optional)
<i>signalledtimepeer</i>	(Optional)
TABLE_notrcvdpeers	(Optional)
<i>notpeer</i>	(Optional)
<i>nokeepalive</i>	(Optional)
<i>notsignalledtime</i>	(Optional)

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

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

Command Mode

- /exec

show bgp dampening dampened

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | vpv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv6
unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn
vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening {
dampened-paths [ regexp <regexp-str> ] | history-paths [ regexp <regexp-str> ] } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ] [ _readonly_ TABLE_vrf <vrf-name-out>
TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [
<rd_vrf> ] [ <rd_vniid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } ] [ <prefixversion>
<totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked> ] [
<export-on-newlist> <export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path
<pathnr> { { <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit>
<pathmultipath> <status> <best> <type> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn>
<hold_down> } | { <metric> <localpref> <weight> <aspath> <origin> } } } | { <policyincomplete>
<pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath>
<pathnolabeledrn> ] [ <existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric>
{ <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator>
<aggregatoras> ] [ <inlabel> ] [ { TABLE_community <community> } ] [ { TABLE_extcommunity
<extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime>
<flaps> <flaptime> <flapflags> <flapindex> <flaphalfife> <flapreuse> <flapsuppress> <flapmax> ] [
<con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx>
] [ <psid_v6sid_len> <psid_v6sid_flag> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <link-state-attr> <link-state-attr-len> ] [ <mdt_grp_addr> ] } } [ TABLE_advertisedto <advertisedto> ] [
TABLE_scheduledto <scheduledto> ] ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampened-paths	Display all dampened paths
history-paths	Display all history paths
dampening	Display dampening info
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format

<i>ext-comm-rd-aa2nn4</i>	(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
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)

TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)

<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)

<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)

psid_lindx (Optional)

psid_v6sid_len (Optional)

psid_v6sid_flag (Optional)

psid_origsrgb_len (Optional)

psid_origsrgb_flag (Optional)

psid_origsrgb_base (Optional)

psid_origsrgb_end (Optional)

Command Mode

- /exec

show bgp dampening flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6
unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn
vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening
flap-statistics [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ TABLE_rd [ <rd_val> ] [
<rd_vrf> [ <rd_vniid> ] ] [ <dampeningenabled> <historypaths> <dampenedpaths> ] ] [ { TABLE_prefix [
<ipprefix> | <ipv6prefix> ] [ <status> ] [ <pathtype> ] [ <peer> | <ipv6peer> ] [ <flapcount> ] [ <duration>
] [ <reuse> ] [ <penalty> ] [ <suppresslimit> ] [ <reuselimit> ] [ <best> ] } ] ] ]
```

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	vrf	(Optional) Virtual Router Context
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(Optional) Known VRF name
	dampening	Display dampening info
	flap-statistics	Display flap statistics for routes
	rd	(Optional) Display information for a route distinguisher
	<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa:nn or ip:nn format
	<i>ext-comm-rd-aa2nn4</i>	(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
	vpnv4	Display BGP information for VPNv4 address family
	vpnv6	Display BGP information for VPNv6 address family
	unicast	Display BGP information for unicast address family
	multicast	Display BGP information for multicast address family
	mdt	Display BGP information for multicast distribution tree
	labeled-unicast	Display BGP information for labeled-unicast address family

link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>dampeningenabled</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>status</i>	(Optional)
<i>best</i>	(Optional)
<i>pathtype</i>	(Optional)
<i>peer</i>	(Optional)
<i>flapcount</i>	(Optional)

<i>duration</i>	(Optional)
<i>reuse</i>	(Optional)
<i>penalty</i>	(Optional)
<i>suppresslimit</i>	(Optional)
<i>reuselimit</i>	(Optional)

Command Mode

- /exec

show bgp dampening parameters

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6
unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn
vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening
parameters [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ TABLE_rd [ <rd_val> ] [
<rd_vrf> ] [ <rd_vniid> ] [ <rpmname> ] [ TABLE_rpm <rpmindex> <rpmdamphalflife> <rpm dampsuppress>
<rpm dampreuse> <rpm dampsuppress time> <rpm dampmaxpenalty> ] [ <dampconfigured> <damp halflife>
<damp suppress> <damp reuse> <damp suppress time> <damp maxpenalty> ] ] ]
```

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	vrf	(Optional) Virtual Router Context
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(Optional) Known VRF name
	dampening	Display dampening info
	parameters	Display dampening parameters
	rd	(Optional) Display information for a route distinguisher
	<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
	<i>ext-comm-rd-aa2nn4</i>	(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
	vpnv4	Display BGP information for VPNv4 address family
	vpnv6	Display BGP information for VPNv6 address family
	unicast	Display BGP information for unicast address family
	multicast	Display BGP information for multicast address family
	mdt	Display BGP information for multicast distribution tree
	labeled-unicast	Display BGP information for labeled-unicast address family

link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional) VRF RD
<i>rd_vniid</i>	(Optional)
TABLE_rpm	(Optional)
<i>rpmname</i>	(Optional)
<i>rpmindex</i>	(Optional)
<i>rpmdamphalflife</i>	(Optional)
<i>rpmdampsuppress</i>	(Optional)
<i>rpmdampreuse</i>	(Optional)
<i>rpmdampsuppresstime</i>	(Optional)
<i>rpmdampmaxpenalty</i>	(Optional)
<i>dampconfigured</i>	(Optional)
<i>damphalflife</i>	(Optional)

dampsuppress (Optional)

dampreuse (Optional)

dampsuppress-time (Optional)

dampmaxpenalty (Optional)

Command Mode

- /exec

show bgp 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

Syntax Description	show	Show running system information
	ip	Display IP information
	bgp	Display BGP status and configuration
	vrf	(Optional) Virtual Router Context
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(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 event-history

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

Syntax Description

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
	<i>bgp-event-hist</i>	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

ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
<i>regexp-str</i>	Regular expression to match the extcommunities
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)

<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)

<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)

<i>flappenaity</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)

psid_len (Optional)

psid_lindx_len (Optional)

psid_lindx_flag (Optional)

psid_lindx (Optional)

psid_v6sid_len (Optional)

psid_v6sid_flag (Optional)

psid_origsrgb_len (Optional)

psid_origsrgb_flag (Optional)

psid_origsrgb_base (Optional)

psid_origsrgb_end (Optional)

Command Mode

- /exec

show bgp internal

```
show bgp internal { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { all | debug
| io | af | mqstat | bestpath | bfd | inject-map | neighbor { <neighbor-id> | <ipv6-neighbor-id> } | route-target |
vfi [ <vfi-name> ] | peer-template <peer-template-name> | aggregates [ summary ] | peer-policy
<policy-template-name> | peer-session <session-template-name> | nve-peer-vni [ history-buffer ] | route-reflector
} [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] }
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
internal	Commands for internal use
all	Show all info
debug	Show debug info
io	Show IO info
af	Show AF info
bestpath	Show bestpath info
bfd	Show BFD internal info
inject-map	Display information about inject maps
neighbor	Show neighbor specific counters
<i>neighbor-id</i>	Neighbor IP address
mqstat	Show message queue stats
aggregates	Display information about aggregates
peer-template	Display information about a peer-template
summary	(Optional) Summary only
peer-session	Display information about a peer-session
peer-policy	Display information about a peer-policy
route-target	Display information about route-target database
vfi	Display information about VFI database
nve-peer-vni	Display information about NVE peer-vni database
history-buffer	(Optional) Display history buffer for NVE peer-vni database

<i>route-reflector</i>	BGP route reflector information
<i>vfi-name</i>	(Optional) VFI name
<i>peer-template-name</i>	Peer-template name
<i>session-template-name</i>	Peer-session name
<i>policy-template-name</i>	Peer-policy name
<i>vrf</i>	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show bgp internal epe

show bgp internal epe

Syntax Description

Syntax Description

show Show running system information

bgp Display BGP status and configuration

internal Commands for internal use

epe Display BGP Egress Peer Engineering (EPE) information

Command Mode

- /exec

show bgp internal evi

```
show bgp internal evi [ <evi-id> ] [ __readonly__ <l2ribbound> <l2ribvni reqs> <l2ribvni adds> <l2ribvni dels>
<evpnisup> <evpnregistered> <evpndowninprogress> <evpnupdeferred> <evpnregistercount>
<evpnregisterfail> <evpnderegistercount> <evpnderegisterfail> <evpnflowcontrol> <evpnflowcontrol enabled>
<evpnflowcontroldisabled> { [ TABLE_rinfo <rdinford> <rdinfo l3vni> <rdinfo eviid> <rdinfo name>
<rdinfo nrprefixes local> <rdinfo nrprefixes brib> <rdinfo nr exp local 3vpn paths> <rdinfo nr im pre motel 3vpn paths>
] } { [ TABLE_cfg <cfgeviid> <cfgeviindex> <cfgrd> <cfgexportrt count> { [ TABLE_cfg exportrts
<cfg exportrt> ] } <cfg importrt count> { [ TABLE_cfg importrts <cfg importrt> ] } <cfg topoid> <cfg vtep ip>
<cfg vtep vpcip> <cfg enabled> <cfg delete pending> <cfg nord> <cfg autord> <cfg no importrt> <cfg no exportrt>
] } { [ TABLE_ctx <ctx eviid> <ctx l3vni> <ctx evi name> <ctx rd> <ctx nr prefixes local> <ctx nr prefixes total>
<ctx enabled> <ctx delete pending> <ctx stale> <ctx import pending> <ctx import in progress> <ctx encap>
<ctx topoid> <ctx vtep ip> <ctx vtep vpcip> <ctx active exportrt count> [ <ctx active exportrt list> ]
<ctx cfg exportrt count> { [ TABLE_ctx cfg exportrts <ctx cfg exportrt> ] } <ctx exportrt changes>
<ctx exportrt changes pending> <ctx active importrt count> [ <ctx active importrt list> ] <ctx cfg importrt count> {
[ TABLE_ctx cfg importrts <ctx cfg importrt> ] } <ctx importrt changes> <ctx importrt changes pending>
<ctx imet reg> <ctx imet unreg> <ctx mac reg> <ctx mac unreg> <ctx mac ip reg> <ctx mac ip unreg> <ctx imet add>
<ctx imet del> <ctx mac add> <ctx mac del> <ctx mac ip add> <ctx mac ip del> <ctx imet dnld> <ctx imet wdraw>
<ctx mac dnld> <ctx mac wdraw> <ctx mac ip dnld> <ctx mac ip wdraw> ] } ]
```

Syntax Description

Syntax Description	Description
show	Show running system information
bgp	Display BGP status and configuration
internal	Commands for internal use
evi	Display information about EVI database
<i>evi-id</i>	(Optional) EVI Id
<i>__readonly__</i>	(Optional)
<i>l2ribbound</i>	(Optional)
<i>l2ribvni reqs</i>	(Optional)
<i>l2ribvni adds</i>	(Optional)
<i>l2ribvni dels</i>	(Optional)
<i>evpnisup</i>	(Optional)
<i>evpnregistered</i>	(Optional)
<i>evpndowninprogress</i>	(Optional)
<i>evpnupdeferred</i>	(Optional)
<i>evpnregistercount</i>	(Optional)
<i>evpnregisterfail</i>	(Optional)

<i>cfgnord</i>	(Optional)
<i>cfgautord</i>	(Optional)
<i>cfgnoimportrt</i>	(Optional)
<i>cfgnoexportrt</i>	(Optional)
TABLE_ctx	(Optional)
<i>ctxevid</i>	(Optional)
<i>ctxl3vni</i>	(Optional)
<i>ctxeviname</i>	(Optional)
<i>ctxrd</i>	(Optional)
<i>ctxnrprefixeslocal</i>	(Optional)
<i>ctxnrprefixestotal</i>	(Optional)
<i>ctxenabled</i>	(Optional)
<i>ctxdeletepending</i>	(Optional)
<i>ctxstale</i>	(Optional)
<i>ctximportpending</i>	(Optional)
<i>ctximportinprogress</i>	(Optional)
<i>ctxencap</i>	(Optional)
<i>ctxtopoid</i>	(Optional)
<i>ctxvtepip</i>	(Optional)
<i>ctxvtepvpcip</i>	(Optional)
<i>ctxactiveexportrtcount</i>	(Optional)
<i>ctxactiveexportrtlist</i>	(Optional)
<i>ctxcfgexportrtcount</i>	(Optional)
TABLE_ctxcfgexportrts	(Optional)
<i>ctxcfgexportrt</i>	(Optional)
<i>ctxexportrtchanges</i>	(Optional)
<i>ctxexportrtchangespending</i>	(Optional)
<i>ctxactiveimportrtcount</i>	(Optional)
<i>ctxactiveimportrtlist</i>	(Optional)

<i>ctxcfgimportrtcount</i>	(Optional)
TABLE_ctxcfgimportrts	(Optional)
<i>ctxcfgimportrt</i>	(Optional)
<i>ctximportrtchanges</i>	(Optional)
<i>ctximportrtchangespending</i>	(Optional)
<i>ctximetreg</i>	(Optional)
<i>ctximetunreg</i>	(Optional)
<i>ctxmacreg</i>	(Optional)
<i>ctxmacunreg</i>	(Optional)
<i>ctxmacipreg</i>	(Optional)
<i>ctxmacipunreg</i>	(Optional)
<i>ctximetadd</i>	(Optional)
<i>ctximetdel</i>	(Optional)
<i>ctxmacadd</i>	(Optional)
<i>ctxmacdel</i>	(Optional)
<i>ctxmacipadd</i>	(Optional)
<i>ctxmacipdel</i>	(Optional)
<i>ctximetdnld</i>	(Optional)
<i>ctximetwdraw</i>	(Optional)
<i>ctxmacdnld</i>	(Optional)
<i>ctxmacwdraw</i>	(Optional)
<i>ctxmacipdnld</i>	(Optional)
<i>ctxmacipwdraw</i>	(Optional)

Command Mode

- /exec

show bgp internal interface

show bgp internal interface [<interface>]

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	internal	Commands for internal use
	interface	Display BGP interface related information
	<i>interface</i>	(Optional) Interface name of single interface to display

Command Mode

- /exec

show bgp internal library-info

show bgp internal library-info

Syntax Description

Syntax	Description
show	Show running system information
bgp	Display BGP status and configuration
internal	Commands for internal use
library-info	Show various event logs of library

Command Mode

- /exec

show bgp internal lslib

show bgp internal lslib

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	internal	Commands for internal use
	lslib	Display BGP Link-State Library (LSLIB) information

Command Mode

- /exec

show bgp internal mem-stats

show bgp internal mem-stats [{ shared | all [no-libs] | no-libs }] [detail]

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
internal	Commands for internal use
mem-stats	Show memory allocation statistics
shared	(Optional) Display shared memory statistics
all	(Optional) Display private and shared memory statistics
no-libs	(Optional) Exclude libraries
detail	(Optional) Display detailed information

Command Mode

- /exec

show bgp internal pss

show bgp internal pss

Syntax Description

Syntax Description	
show	Show running system information
bgp	Display BGP status and configuration
internal	Commands for internal use
pss	Display BGP Persistent System Storage (PSS) information

Command Mode

- /exec

show bgp internal rpc

show bgp internal rpc

Syntax Description

Syntax Description	
show	Show running system information
bgp	Display BGP status and configuration
internal	Commands for internal use
rpc	Display BGP Resilient Per-CE (RPC) information

Command Mode

- /exec

show bgp internal statistics

```
show bgp internal { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt | vpv4 unicast
| vpv6 unicast | ipv6 labeled-unicast | link-state | l2vpn vpls | ipv4 mvpn | ipv6 mvpn | l2vpn evpn | ipv4
labeled-unicast | all } statistics [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }
] [ detail ]
```

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	internal	Commands for internal use
	ip	Display BGP information for IPv4 address family
	ipv4	Display BGP information for IPv4 address family
	vpnv4	Display BGP information for VPNv4 address family
	vpnv6	Display BGP information for VPNv6 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
	labeled-unicast	Display BGP information for labeled-unicast address family
	mdt	Display BGP information for multicast distribution tree
	link-state	Display BGP information for link-state address family
	l2vpn	Display BGP information for L2VPN address family
	mvpn	Display BGP information for MVPN address family
	vpls	Display BGP information for L2VPN VPLS address family
	evpn	Display BGP information for L2VPN EVPN address family
	all	Display BGP information for all address families
	statistics	BGP Internal statistics
	vrf	(Optional) Virtual Router Context
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(Optional) Known VRF name
	detail	(Optional) Detailed output

Command Mode

- /exec

show bgp l3vpn

```
show bgp l3vpn [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [
__readonly__ TABLE_vrf <vrf-name-out> [ <vrf-id> ] [ <vrf-rd> ] [ <vrf-state> ] [ <vrf-state-rsn> ] [
<vrf-pending-rd> ] [ { TABLE_af <af-id> [ <af-name> ] [ <af-table-id> ] [ <af-state> ] [ <af-state-rsn> ] [
<af-num-peers> ] [ <af-num-active-peers> ] [ <af-peer-routes> ] [ <af-peer-paths> ] [ <af-peer-networks> ]
[ <af-peer-aggregates> ] [ <af-export-rmap> ] [ <af-import-rmap> ] [ <af-retain-rt> ] [ TABLE_export_rt
<export-rt> ] [ TABLE_import_rt <import-rt> ] [ TABLE_evpn_export_rt <evpn-export-rt> ] [
TABLE_evpn_import_rt <evpn-import-rt> ] [ <af-label-mode> ] [ <af-aggregate-label> ] } ] ]
```

Syntax Description

Syntax Description		
show		Show running system information
bgp		Display BGP status and configuration
l3vpn		BGP l3vpn information
vrf		(Optional) Virtual Router Context
detail		(Optional) Detailed information
<i>vrf-name</i>		(Optional) VRF name
<i>vrf-known-name</i>		(Optional) Known VRF name
<i>__readonly__</i>		(Optional) Read Only
TABLE_vrf		(Optional)
<i>vrf-name-out</i>		(Optional) VRF name
<i>vrf-id</i>		(Optional) VRF ID
<i>vrf-state</i>		(Optional) VRF State
<i>vrf-state-rsn</i>		(Optional) VRF State Reason
<i>vrf-rd</i>		(Optional) VRF RD
<i>vrf-pending-rd</i>		(Optional) VRF pending RD
TABLE_af		(Optional)
<i>af-id</i>		(Optional) AF ID
<i>af-table-id</i>		(Optional) AF table
<i>af-name</i>		(Optional) AF table name
<i>af-state</i>		(Optional) AF table state
<i>af-state-rsn</i>		(Optional) AF table state reason

<i>af-num-peers</i>	(Optional) No. of peers
<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map
<i>af-retain-rt</i>	(Optional) Retain RT
TABLE_export_rt	(Optional)
<i>export-rt</i>	(Optional) Export route target
TABLE_import_rt	(Optional)
<i>import-rt</i>	(Optional) Import route target
TABLE_evpn_export_rt	(Optional)
<i>evpn-export-rt</i>	(Optional) Export EVPN route target
TABLE_evpn_import_rt	(Optional)
<i>evpn-import-rt</i>	(Optional) Import EVPN route target
<i>af-label-mode</i>	(Optional) Label allocation mode
<i>af-aggregate-label</i>	(Optional) Aggregate Label

Command Mode

- /exec

show bgp neighbors

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpv4 unicast | vpv6 unicast | ipv6 labeled-unicast
| link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn | ipv6 mvpn | ipv4 labeled-unicast } neighbors [ { <neighbor-id>
| <ipv6-neighbor-id> | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> } ] [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_neighbor { <neighbor> |
<ipv6neighbor> | <templatepeer> } [ <remoteas> ] [ <localas> ] <link> [ <index> ] [ <configpeer> ] [
<inherit-template> ] [ <inherit-session-template> ] [ { <prefix-parent> | <ipv6prefix-parent> } ] [ <description>
] [ <version> <remote-id> <state> <up> <elapsedtime> [ <restarttime> ] ] [ <sourceif> ] [ <connectedif> ] [
<connectedcheck> ] [ <lowmemexempt> ] [ <bfd> ] [ <ttlsecurity> ] [ <ttllimit> ] [ <password> ] [
<passiveonly> ] [ <localas-inactive> ] <remove-privateas> { { <lastread> <holdtime> <keepalivetime>
<lastwrite> [ <keepalive> ] <msgrecvd> <notificationsrcvd> <rcvbufbytes> <msgsent> <notificationssent>
<sentbytesoutstanding> <connsestablished> <connsdropped> [ <connattempts> ] } { <peerresettime>
<peerresetreason> <resettime> <resetreason> } | { <resettime> <resetreason> <peerresettime>
<peerresetreason> } } [ <capsnegotiated> <capmpadvertised> <caprefreshadvertised>
<capgrdynamicadvertised> [ <capmprecvd> <caprefreshrecvd> <capgrdynamicrecvd> ]
<capolddynamicadvertised> <capolddynamicrecvd> <caprradvertised> <caprrrecvd> <capolddradvertised>
<capolddrrecvd> <capas4advertised> <capas4recvd> [ { TABLE_af <af-afi> TABLE_saf <af-safi>
<af-advertised> <af-recvd> <af-name> } ] [ <capgradvertised> <capgrrecvd> ] [ { TABLE_graf <gr-afi>
TABLE_grsaf <gr-safi> <gr-af-name> <gr-adv> <gr-recv> <gr-fwd> } ] [ <grrestarttime> <grstaletime> ] [
<grrecvdrestarttime> ] [ [ { TABLE_addpathscapaf <addpathscap-afi> TABLE_addpathscapsaf
<addpathscap-safi> <addpathscap-af-name> <addpathssendcap-adv> <addpathsrecvcap-adv>
<addpathssendcap-recv> <addpathsrecvcap-recv> } ] [ <capaddpathsadvertised> <capaddpathsrecvd> ] ]
<capextendednhadvertised> <capextendednhrecvd> [ { TABLE_capextendednhaf <capextendednh-afi>
TABLE_capextendednhsaf <capextendednh-safi> <capextendednh-af-name> } ] ] | [ <configholdtime>
<configkeepalivetime> ] ] [ <grstate> <gexpiry> ] [ <firstkeepalive> ] [ <epe> ] [ <epe-adj-sids> ] [
<epe-peer-rpc-set> ] [ <epe-peer-sid> ] [ <epe-peer-set-name> ] [ <epe-peer-set-rpc-set> ] [ <epe-peer-set-sid>
] [ { TABLE_epe-adj { { <epe-adj-ip-local> <epe-adj-ip-remote> } | { <epe-adj-ipv6-local>
<epe-adj-ipv6-remote> } } ] [ <epe-adj-ifindex> <epe-adj-rpc-set> <epe-adj-sid> } ] [ <openssent>
<opensrecvd> <updatesent> <updatesrecvd> <keepalivesent> <keepaliverecvd> <rtrefreshsent>
<rtrefreshrecvd> <capabilitiesent> <capabilitiesrecvd> <bytesent> <bytesrecvd> ] [ [ { TABLE_peraf
<per-afi> TABLE_persaf <per-safi> <per-af-name> [ <tableversion> ] [ <neighborstableversion> ] [ <pfxrecvd>
] [ <pfxbytes> ] [ <pfxsent> ] [ <conditionmap> <advertisemap> <advertisemapstatus> ]
<insoftreconfigallowed> [ <insoftreconfigallowedalways> ] [ <sendcommunity> ] [ <sendextcommunity> ]
[ { <localnexthop> | <ipv6localnexthop> } ] [ <thirdpartynexthop> ] [ <maxpfx> ] [ <maxpfx_threshold> ]
[ <soo> ] [ <weight> ] [ <allowasin> ] <asoverride> <peerascheckdisabled> [ <vpls signalingprotocol> ] [ {
TABLE_inpolicy <inpolicynr> <inpolicytype> <inpolicynr> [ <inpolicyhandle> } ] ] [ { TABLE_outpolicy
<outpolicynr> <outpolicytype> <outpolicynr> [ <outpolicyhandle> } ] ] [ <rrconfigured> ] [
<defaultoriginate> ] [ <defaultoriginatemap> ] [ <defaultsent> ] [ <grpaspathssaved> ] [ <grEoRrecvd> ] [
<grEoRtime> ] [ <unsuppress-map> ] [ { TABLE_policy_template <preference> <inherit-policy-template>
} ] [ TABLE_vrf [ <vrf-name> ] [ TABLE_peer_template <inheritingpeer> ] ] ] ] [ <threadid> ] [
<passivethreadid> <passivefd> ] [ { <localaddr> | <ipv6localaddr> } <localport> { <remoteaddr> |
<ipv6remoteaddr> } <remoteport> <fd> ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration

vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	(Optional) Display details for a prefix peering
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 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
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
<i>__readonly__</i>	(Optional)
TABLE_neighbor	(Optional)
<i>neighbor</i>	(Optional)
<i>templatepeer</i>	(Optional)
<i>remoteas</i>	(Optional)
<i>localas</i>	(Optional)
<i>link</i>	(Optional)
<i>index</i>	(Optional)

<i>configpeer</i>	(Optional)
<i>inherit-template</i>	(Optional)
<i>inherit-session-template</i>	(Optional)
<i>prefix-parent</i>	(Optional)
<i>description</i>	(Optional)
<i>version</i>	(Optional)
<i>remote-id</i>	(Optional)
<i>state</i>	(Optional)
<i>up</i>	(Optional)
<i>elapsedtime</i>	(Optional)
<i>restarttime</i>	(Optional)
<i>sourceif</i>	(Optional)
<i>connectedif</i>	(Optional)
<i>connectedcheck</i>	(Optional)
<i>lowmemexempt</i>	(Optional)
<i>bfd</i>	(Optional)
<i>ttlsecurity</i>	(Optional)
<i>tllimit</i>	(Optional)
<i>localas-inactive</i>	(Optional)
<i>passiveonly</i>	(Optional)
<i>password</i>	(Optional)
<i>remove-privateas</i>	(Optional)
<i>lastread</i>	(Optional)
<i>holdtime</i>	(Optional)
<i>keepalivetime</i>	(Optional)
<i>lastwrite</i>	(Optional)
<i>keepalive</i>	(Optional)
<i>msgrecvd</i>	(Optional)
<i>notificationsrcvd</i>	(Optional)

<i>recvbufbytes</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>notificationssent</i>	(Optional)
<i>sentbytesoutstanding</i>	(Optional)
<i>connsestablished</i>	(Optional)
<i>connsdropped</i>	(Optional)
<i>connattempts</i>	(Optional)
<i>peerresetime</i>	(Optional)
<i>peerresetreason</i>	(Optional)
<i>resetime</i>	(Optional)
<i>resetreason</i>	(Optional)
<i>configholdtime</i>	(Optional)
<i>configkeepalivetime</i>	(Optional)
<i>grstate</i>	(Optional)
<i>grexpiry</i>	(Optional)
<i>firstkeepalive</i>	(Optional)
<i>epe</i>	(Optional)
<i>epe-adj-sids</i>	(Optional)
<i>epe-peer-rpc-set</i>	(Optional)
<i>epe-peer-sid</i>	(Optional)
<i>epe-peer-set-name</i>	(Optional)
<i>epe-peer-set-rpc-set</i>	(Optional)
<i>epe-peer-set-sid</i>	(Optional)
TABLE_ epe-adj	(Optional)
<i>epe-adj-ip-local</i>	(Optional)
<i>epe-adj-ip-remote</i>	(Optional)
<i>epe-adj-ifindex</i>	(Optional)
<i>epe-adj-rpc-set</i>	(Optional)
<i>epe-adj-sid</i>	(Optional)

<i>openssent</i>	(Optional)
<i>opensrcvd</i>	(Optional)
<i>updatesent</i>	(Optional)
<i>updatesrcvd</i>	(Optional)
<i>keepalivesent</i>	(Optional)
<i>keepaliverecvd</i>	(Optional)
<i>rtrefreshsent</i>	(Optional)
<i>rtrefreshrcvd</i>	(Optional)
<i>capabilitiesent</i>	(Optional)
<i>capabilitiesrcvd</i>	(Optional)
<i>bytessent</i>	(Optional)
<i>bytesrcvd</i>	(Optional)
<i>threadid</i>	(Optional)
<i>fd</i>	(Optional)
<i>passivethreadid</i>	(Optional)
<i>passivefd</i>	(Optional)
<i>localaddr</i>	(Optional)
<i>localport</i>	(Optional)
<i>remoteaddr</i>	(Optional)
<i>remoteport</i>	(Optional)
<i>capsnegotiated</i>	(Optional)
<i>capmpadvertised</i>	(Optional)
<i>capgrdynamicadvertised</i>	(Optional)
<i>capaddpathsadvertised</i>	(Optional)
<i>caprefreshadvertised</i>	(Optional)
<i>capmprcvd</i>	(Optional)
<i>capgrdynamicrcvd</i>	(Optional)
<i>capaddpathsrcvd</i>	(Optional)
<i>caprefreshrcvd</i>	(Optional)

<i>capolddynamicadvertised</i>	(Optional)
<i>capolddynamicrecvd</i>	(Optional)
<i>caprradvertised</i>	(Optional)
<i>caprrrecvd</i>	(Optional)
<i>capoldrradvertised</i>	(Optional)
<i>capoldrrrecvd</i>	(Optional)
<i>capas4advertised</i>	(Optional)
<i>capas4recvd</i>	(Optional)
TABLE_af	(Optional)
<i>af-afi</i>	(Optional)
TABLE_saf	(Optional)
<i>af-safi</i>	(Optional)
<i>af-advertised</i>	(Optional)
<i>af-recvd</i>	(Optional)
<i>af-name</i>	(Optional)
<i>capgradadvertised</i>	(Optional)
<i>capgrrecvd</i>	(Optional)
TABLE_graf	(Optional)
<i>gr-afi</i>	(Optional)
TABLE_grsaf	(Optional)
<i>gr-safi</i>	(Optional)
<i>gr-af-name</i>	(Optional)
<i>gr-adv</i>	(Optional)
<i>gr-recv</i>	(Optional)
<i>gr-fwd</i>	(Optional)
<i>grrestarttime</i>	(Optional)
<i>grstaletime</i>	(Optional)
<i>grrecvdrestarttime</i>	(Optional)
TABLE_addpathscaf	(Optional)

<i>addpathscap-afi</i>	(Optional)
TABLE_addpathscapsaf	(Optional)
<i>addpathscap-safi</i>	(Optional)
<i>addpathscap-af-name</i>	(Optional)
<i>addpathsendcap-adv</i>	(Optional)
<i>addpathsrecvcap-adv</i>	(Optional)
<i>addpathsendcap-recv</i>	(Optional)
<i>addpathsrecvcap-recv</i>	(Optional)
<i>capextendednhadvertised</i>	(Optional)
<i>capextendednhrecvd</i>	(Optional)
TABLE_capextendednhaf	(Optional)
<i>capextendednh-afi</i>	(Optional)
TABLE_capextendednhsaf	(Optional)
<i>capextendednh-safi</i>	(Optional)
<i>capextendednh-af-name</i>	(Optional)
TABLE_peraf	(Optional)
<i>per-afi</i>	(Optional)
TABLE_persaf	(Optional)
<i>per-safi</i>	(Optional)
<i>per-af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>pfxrecvd</i>	(Optional)
<i>pfxbytes</i>	(Optional)
<i>pfxsent</i>	(Optional)
<i>conditionmap</i>	(Optional)
<i>advertisemap</i>	(Optional)
<i>advertisemapstatus</i>	(Optional)
<i>insoftreconfigallowed</i>	(Optional)

insoftreconfigallowedalways (Optional)

sendcommunity (Optional)

sendextcommunity (Optional)

maxpfx (Optional)

maxpfx_threshold (Optional)

localnexthop (Optional)

inpolicynr (Optional)

inpolicytype (Optional)

inpolicyname (Optional)

inpolicyhandle (Optional)

outpolicynr (Optional)

outpolicytype (Optional)

outpolicyname (Optional)

outpolicyhandle (Optional)

rrconfigured (Optional)

defaultoriginate (Optional)

defaultoriginatermap (Optional)

defaultsent (Optional)

grpathssaved (Optional)

grEoRrecvd (Optional)

grEoRtime (Optional)

unsuppress-map (Optional)

thirdpartynexthop (Optional)

soo (Optional)

weight (Optional)

allowasin (Optional)

asoverride (Optional)

peerascheckdisabled (Optional)

vplssignalingprotocol (Optional)

TABLE_policy_template	(Optional)
<i>preference</i>	(Optional)
<i>inherit-policy-template</i>	(Optional)
TABLE_inpolicy	(Optional)
TABLE_outpolicy	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_peer_template	(Optional)
<i>inheritingpeer</i>	(Optional)

Command Mode

- /exec

show bgp neighbors

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] } { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast
| l2vpn evpn | ipv4 labeled-unicast } neighbors { <neighbor-id> | <ipv6-neighbor-id> } { routes [ advertised
| received | dampened ] | advertised-routes | received-routes } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi
<safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] ] [
TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [
<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked> ] [ <export-on-newlist>
<export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { {
<pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath>
<status> <best> <type> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } |
{ <metric> <localpref> <weight> <aspath> <origin> } } } } [ <policyincomplete> <pathvalid> <pathbest>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabelednrh> ] [
<existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> |
<ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
] [ <inlabel> ] [ { TABLE_community <community> } ] [ { TABLE_extcommunity <extcommunity> } ] [
<originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime> <flaps> <flaptime>
<flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax> ] [ <con_type> <con_len>
<con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len>
<psid_v6sid_flag> ] [ <psid_origrsgb_len> <psid_origrsgb_flag> <psid_origrsgb_base> <psid_origrsgb_end>
] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <link-state-attr>
<link-state-attr-len> ] [ <mdt_grp_addr> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

Syntax Description	Description
show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
labeled-unicast	Display BGP information for labeled-unicast 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
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)

<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)

<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)

<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_v6sid_flag</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)

Command Mode

- /exec

sessioncmdtemplate (Optional)

TABLE_af (Optional)

af-afi (Optional)

TABLE_saf (Optional)

af-safi (Optional)

af-name (Optional)

TABLE_polcmd (Optional)

polycmd (Optional)

polycmdstatus (Optional)

polycmdtemplate (Optional)

Command Mode

- /exec

show bgp 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 } ] [ __readonly__
TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ TABLE_rd [ <rd_val> ] [
<rd_vrf> [ <rd_vniid> ] ] [ <dampeningenabled> <historypaths> <dampenedpaths> ] ] [ { TABLE_prefix [
<ipprefix> | <ipv6prefix> ] [ <status> ] [ <pathtype> ] [ <peer> | <ipv6peer> ] [ <flapcount> ] [ <duration>
] [ <reuse> ] [ <penalty> ] [ <suppresslimit> ] [ <reuselimit> ] [ <best> ] } ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	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
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)

<i>af-name</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>dampeningenabled</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>status</i>	(Optional)
<i>best</i>	(Optional)
<i>pathtype</i>	(Optional)
<i>peer</i>	(Optional)
<i>flapcount</i>	(Optional)
<i>duration</i>	(Optional)
<i>reuse</i>	(Optional)
<i>penalty</i>	(Optional)
<i>suppresslimit</i>	(Optional)
<i>reuselimit</i>	(Optional)

Command Mode

- /exec

show bgp neighbors paths

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast
| l2vpn evpn | ipv4 labeled-unicast } neighbors { <neighbor-id> | <ipv6-neighbor-id> } paths [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out>
TABLE_afi <afi> TABLE_safi <safi> <af-name> [ TABLE_id <id> <hashvalue> <refcount> <metric>
<aspath> ] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 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
labeled-unicast	Display BGP information for labeled-unicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
paths	Display AS paths learned from this peer
<i>__readonly__</i>	(Optional)
<i>TABLE_vrf</i>	(Optional)
<i>vrf-name-out</i>	(Optional)

TABLE_afi (Optional)

afi (Optional)

TABLE_safi (Optional)

safi (Optional)

af-name (Optional)

TABLE_id (Optional)

id (Optional)

hashvalue (Optional)

refcount (Optional)

metric (Optional)

aspath (Optional)

Command Mode

- /exec

show bgp paths

```
show [ ip ] bgp paths [ __readonly__ TABLE_id <id> <hashvalue> <refcount> <metric> <aspath> <origin> ]
```

Syntax Description

Syntax	Description
show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
paths	Display Path information
<i>__readonly__</i>	(Optional)
<i>TABLE_id</i>	(Optional)
<i>id</i>	(Optional)
<i>hashvalue</i>	(Optional)
<i>refcount</i>	(Optional)
<i>metric</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)

Command Mode

- /exec

show bgp peer-template

```
show [ ip ] bgp peer-template [ <peer-template-name> ] [ __readonly__ { TABLE_neighbor <templatepeer>
[ <remoteas> ] [ <inherit-template> ] [ <inherit-session-template> ] [ { <prefix-parent> | <ipv6prefix-parent>
} ] [ <description> ] [ <sourceif> ] [ <connectedcheck> ] [ <lowmemexempt> ] [ <bfd> ] [ <ttlsecurity> ] [
<ttllimit> ] [ <passiveonly> ] [ <password> ] [ <remove-privateas> ] [ <configholdtime> <configkeepalivetime>
] [ [ { TABLE_peraf <per-afi> TABLE_persaf <per-safi> <per-af-name> [ <tableversion> ] [
<neighbortableversion> ] [ <pfxrecvd> ] [ <pfxbytes> ] [ <pfxsent> ] [ <conditionmap> <advertisemap>
<advertisemapstatus> ] <insoftreconfigallowed> [ <insoftreconfigallowedalways> ] [ <sendcommunity> ] [
<sendextcommunity> ] [ { <localnexthop> | <ipv6localnexthop> } ] [ <thirdpartynexthop> ] [ <maxpfx> ] [
<maxpfx_threshold> ] [ <soo> ] [ <weight> ] [ <allowasin> ] <asoverride> <peerascheckdisabled> [
<vplssignalingprotocol> ] [ { TABLE_inpolicy <inpolicynr> <inpolicytype> <inpolicyname> [
<inpolicyhandle> } ] } ] [ { TABLE_outpolicy <outpolicynr> <outpolicytype> <outpolicyname> [
<outpolicyhandle> } ] } ] [ <rrconfigured> ] [ <defaultoriginate> ] [ <defaultoriginatemap> ] [ <defaultsent>
] [ <grpathssaved> ] [ <grEoRrecvd> ] [ <grEoRtime> ] [ <unsuppress-map> ] [ { TABLE_policy_template
<preference> <inherit-policy-template> } ] [ TABLE_vrf [ <vrf-name> ] [ TABLE_peer_template
<inheritingpeer> ] ] } ] } ] }
```

Syntax Description

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-template	Display information about a peer-template
<i>peer-template-name</i>	(Optional) Peer-template name
<i>__readonly__</i>	(Optional)
<i>TABLE_neighbor</i>	(Optional)
<i>templatepeer</i>	(Optional)
<i>remoteas</i>	(Optional)
<i>inherit-template</i>	(Optional)
<i>inherit-session-template</i>	(Optional)
<i>prefix-parent</i>	(Optional)
<i>description</i>	(Optional)
<i>sourceif</i>	(Optional)
<i>connectedcheck</i>	(Optional)
<i>lowmemexempt</i>	(Optional)
<i>bfd</i>	(Optional)

<i>ttlsecurity</i>	(Optional)
<i>ttllimit</i>	(Optional)
<i>passiveonly</i>	(Optional)
<i>password</i>	(Optional)
<i>remove-privateas</i>	(Optional)
<i>configholdtime</i>	(Optional)
<i>configkeepalivetime</i>	(Optional)
TABLE_peraf	(Optional)
<i>per-afi</i>	(Optional)
TABLE_persaf	(Optional)
<i>per-safi</i>	(Optional)
<i>per-af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>pxrecvd</i>	(Optional)
<i>pxbytes</i>	(Optional)
<i>pxsent</i>	(Optional)
<i>conditionmap</i>	(Optional)
<i>advertisemap</i>	(Optional)
<i>advertisemapstatus</i>	(Optional)
<i>insoftreconfigallowed</i>	(Optional)
<i>insoftreconfigallowedalways</i>	(Optional)
<i>sendcommunity</i>	(Optional)
<i>sendextcommunity</i>	(Optional)
<i>maxpfx</i>	(Optional)
<i>maxpfx_threshold</i>	(Optional)
<i>localnexthop</i>	(Optional)
<i>inpolicynr</i>	(Optional)
<i>inpolicytype</i>	(Optional)

<i>inpolicyname</i>	(Optional)
<i>inpolicyhandle</i>	(Optional)
<i>outpolicynr</i>	(Optional)
<i>outpolicytype</i>	(Optional)
<i>outpolicyname</i>	(Optional)
<i>outpolicyhandle</i>	(Optional)
<i>rrconfigured</i>	(Optional)
<i>defaultoriginate</i>	(Optional)
<i>defaultoriginatemap</i>	(Optional)
<i>defaultsent</i>	(Optional)
<i>grpathssaved</i>	(Optional)
<i>grEoRrecvd</i>	(Optional)
<i>grEoRtime</i>	(Optional)
<i>unsuppress-map</i>	(Optional)
<i>thirdpartynexthop</i>	(Optional)
<i>soo</i>	(Optional)
<i>weight</i>	(Optional)
<i>allowasin</i>	(Optional)
<i>asoverride</i>	(Optional)
<i>peerascheckdisabled</i>	(Optional)
<i>vplssignalingprotocol</i>	(Optional)
TABLE_policy_template	(Optional)
<i>preference</i>	(Optional)
<i>inherit-policy-template</i>	(Optional)
TABLE_inpolicy	(Optional)
TABLE_outpolicy	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_peer_template	(Optional)

inheritingpeer (Optional)

Command Mode

- /exec

show bgp peer

```
show [ ip ] bgp { peer-session [ <session-template-name> ] | peer-policy [ <policy-template-name> ] } [
__readonly__ TABLE_template <template> <present> [ { TABLE_command <command> [ <polarity> ] [
<updatesource> ] [ <description> ] [ <multihop> ] [ <holdtime> ] [ <keepalive> ] [ <routemapin> ] [
<routemapout> ] [ <filterlistin> ] [ <filterlistout> ] [ <prefixlistin> ] [ <prefixlistout> ] [ <maxprefixlimit> ]
[ <defaultorigin> ] } ] [ { TABLE_vrf <vrf-name> { TABLE_peer <inheritingpeer> } } ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-session	Display information about a peer-session
peer-policy	Display information about a peer-policy
<i>session-template-name</i>	(Optional) Peer-session name
<i>policy-template-name</i>	(Optional) Peer-policy name
<i>__readonly__</i>	(Optional)
TABLE_template	(Optional)
<i>template</i>	(Optional)
<i>present</i>	(Optional)
TABLE_command	(Optional)
<i>command</i>	(Optional)
<i>polarity</i>	(Optional)
<i>updatesource</i>	(Optional)
<i>description</i>	(Optional)
<i>multihop</i>	(Optional)
<i>holdtime</i>	(Optional)
<i>keepalive</i>	(Optional)
<i>routemapin</i>	(Optional)
<i>routemapout</i>	(Optional)
<i>filterlistin</i>	(Optional)

<i>filterlistout</i>	(Optional)
<i>prefixlistin</i>	(Optional)
<i>prefixlistout</i>	(Optional)
<i>maxprefixlimit</i>	(Optional)
<i>defaultorigin</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_peer	(Optional)
<i>inheritingpeer</i>	(Optional)

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 } ] [ __readonly__ TABLE_vrf
<vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd
[ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [
<prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync>
<locked> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] {
TABLE_path <pathnr> { { <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory>
<pathovermaxaslimit> <pathmultipath> <status> <best> <type> { <ipnexthop> | <ipv6nexthop> } } { <inlabel>
<outlabel> <vpn> <hold_down> } | { <metric> <localpref> <weight> <aspath> <origin> } } | { [
<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit>
<pathmultipath> <pathnolabeledrn> ] [ <existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop>
} <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight>
[ <aggregator> <aggregatoras> ] [ <inlabel> ] [ { TABLE_community <community> } ] [ {
TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_v6sid_flag> ] [ <psid_origsrgrb_len>
<psid_origsrgrb_flag> <psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <link-state-attr> <link-state-attr-len> ] [ <mdt_grp_addr>
] ] ] ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]
```

Syntax Description

Syntax Description	Description
show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
<i>test_pol_name</i>	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
__readonly__	(Optional)

TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)

<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)

<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)

<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_v6sid_flag</i>	(Optional)
<i>psid_origsrgrb_len</i>	(Optional)
<i>psid_origsrgrb_flag</i>	(Optional)
<i>psid_origsrgrb_base</i>	(Optional)
<i>psid_origsrgrb_end</i>	(Optional)

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

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
	<i>ip-prefix</i>	(Optional) Show attribute for a prefix
	<i>rpm-name</i>	(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
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(Optional) Known VRF name

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

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
<i>ip-prefix</i>	(Optional) Show attribute for a prefix

Command Mode

- /exec

show bgp private damp

```
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

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	
<i>vrf-name</i>	(Optional) VRF name	
<i>vrf-known-name</i>	(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 process

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] process [ detail ] [
vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ [ <processid>
<protocolstartedreason> <protocoltag> <protocolstate> [ <isolatemode> ] <mmode> <memorystate> [
<mallocmemorystate> ] [ <platformmemorystate> ] [ <lowmemorytimer> ] [ <issu> ] <forwardingstatesaved>
<asformat> [ <fabricsoo> ] [ <srgbmin> <srgbmax> ] [ <epeconfiguredpeers> <epeactivepeers> ]
<attributeentries> <hwmattributeentries> <bytesused> <entriespendingdelete> <hwmentriespendingdelete>
<pathsperattribute> <aspathentries> <aspathbytes> ] TABLE_vrf <vrf-name-out> [ <vrf-id> ] [ <vrf-state>
] [ <vrf-state-rsn> ] [ <vrf-delete-pending> ] [ <vrf-vni-id> ] [ <vrf-vni-id-valid> ] [ <vrf-encap-type> ] [
<vrf-vtep-ip> ] [ <vrf-vtep-virtual-ip> ] [ <vrf-router-mac> ] [ <vrf-router-id> ] [ <vrf-cfgd-id> ] [ <vrf-local-as>
] [ <vrf-confed-id> ] [ <vrf-cluster-id> ] [ <vrf-reconnect-interval> ] [ <vrf-peers> ] [ <vrf-pending-peers> ]
[ <vrf-est-peers> ] [ <vrf-cfgd-max-as-limit> ] [ <vrf-max-as-limit> ] [ <vrf-rd> ] [ <vrf-pending-rd> ] {
TABLE_af <af-id> [ <af-name> ] [ <af-table-id> ] [ <af-state> ] [ <af-state-rsn> ] [ <af-num-peers> ] [
<af-num-active-peers> ] [ <af-peer-routes> ] [ <af-peer-paths> ] [ <af-peer-networks> ] [ <af-peer-aggregates>
] [ <af-export-rmap> ] [ <af-import-rmap> ] [ <af-retain-rt> ] [ { TABLE_redist <protocol> <route-map> }
] [ { TABLE_add_paths_selection <route-map> } ] [ TABLE_export_rt <export-rt> ] [ TABLE_import_rt
<import-rt> ] [ TABLE_evpn_export_rt <evpn-export-rt> ] [ TABLE_evpn_import_rt <evpn-import-rt> ] [
<af-label-mode> ] [ <af-aggregate-label> ] [ <importdefault_prefixlimit> <importdefault_prefixcount>
<importdefault_map> ] [ <exportdefault_prefixlimit> <exportdefault_prefixcount> <exportdefault_map> ] [
<af-rr> ] } ] }
```

Syntax Description

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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional) Read Only
<i>processid</i>	(Optional)
<i>protocolstartedreason</i>	(Optional)
<i>protocoltag</i>	(Optional)
<i>protocolstate</i>	(Optional)
<i>isolatemode</i>	(Optional)
<i>mmode</i>	(Optional)
<i>memorystate</i>	(Optional)

<i>mallocmemorystate</i>	(Optional)
<i>platformmemorystate</i>	(Optional)
<i>lowmemorytimer</i>	(Optional)
<i>issu</i>	(Optional)
<i>forwardingstatesaved</i>	(Optional)
<i>asformat</i>	(Optional)
<i>attributeentries</i>	(Optional)
<i>fabricsoo</i>	(Optional)
<i>srgbmin</i>	(Optional)
<i>srgbmax</i>	(Optional)
<i>epeconfiguredpeers</i>	(Optional)
<i>epeactivepeers</i>	(Optional)
<i>hwmattributeentries</i>	(Optional)
<i>bytesused</i>	(Optional)
<i>entriespendingdelete</i>	(Optional)
<i>hwmentriespendingdelete</i>	(Optional)
<i>pathsperattribute</i>	(Optional)
<i>aspathentries</i>	(Optional)
<i>aspathbytes</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional) VRF name
<i>vrf-id</i>	(Optional) VRF ID
<i>vrf-state</i>	(Optional) VRF State
<i>vrf-state-rsn</i>	(Optional) VRF State Reason
<i>vrf-delete-pending</i>	(Optional) VRF delete pending
<i>vrf-vni-id</i>	(Optional) VRF VNI ID
<i>vrf-vni-id-valid</i>	(Optional) VRF VNI ID validity
<i>vrf-encap-type</i>	(Optional) VRF encapsulation type
<i>vrf-vtep-ip</i>	(Optional) VRF VTEP IP

<i>vrf-vtep-virtual-ip</i>	(Optional) VRF VTEP Virtual IP
<i>vrf-router-mac</i>	(Optional) VRF Router MAC
<i>vrf-router-id</i>	(Optional) Router ID
<i>vrf-cfgd-id</i>	(Optional) Configured Router-ID
<i>vrf-local-as</i>	(Optional) Local AS
<i>vrf-confed-id</i>	(Optional) Cluster-ID
<i>vrf-cluster-id</i>	(Optional) Cluster-ID
<i>vrf-reconnect-interval</i>	(Optional) VRF reconnect interval
<i>vrf-peers</i>	(Optional) No. of configured peers
<i>vrf-pending-peers</i>	(Optional) No. of pending peers
<i>vrf-est-peers</i>	(Optional) No. of established peers
<i>vrf-cfgd-max-as-limit</i>	(Optional) Configured maxas-limit
<i>vrf-max-as-limit</i>	(Optional) Active maxas-limit
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
TABLE_af	(Optional)
<i>af-id</i>	(Optional) AF ID
<i>af-table-id</i>	(Optional) AF table
<i>af-name</i>	(Optional) AF table name
<i>af-state</i>	(Optional) AF table state
<i>af-state-rsn</i>	(Optional) AF table state reason
<i>af-num-peers</i>	(Optional) No. of peers
<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map

<i>af-retain-rt</i>	(Optional) Retain RT
TABLE_redist	(Optional)
<i>protocol</i>	(Optional) Protocol
<i>route-map</i>	(Optional) Route Map
TABLE_add_paths_selection	(Optional)
<i>route-map</i>	(Optional) Route Map
TABLE_export_rt	(Optional)
<i>export-rt</i>	(Optional) Export route target
TABLE_import_rt	(Optional)
<i>import-rt</i>	(Optional) Import route target
TABLE_evpn_export_rt	(Optional)
<i>evpn-export-rt</i>	(Optional) Export EVPN route target
TABLE_evpn_import_rt	(Optional)
<i>evpn-import-rt</i>	(Optional) Import EVPN route target
<i>af-label-mode</i>	(Optional) Label allocation mode
<i>af-aggregate-label</i>	(Optional) Aggregate Label
<i>importdefault_prefixlimit</i>	(Optional) Maximum number of prefixes allowed
<i>importdefault_prefixcount</i>	(Optional) Current number of prefixes
<i>importdefault_map</i>	(Optional) Configured route-map
<i>exportdefault_prefixlimit</i>	(Optional) Maximum number of prefixes allowed
<i>exportdefault_prefixcount</i>	(Optional) Current number of prefixes
<i>exportdefault_map</i>	(Optional) Configured route-map
<i>af-rr</i>	(Optional) Is a Route-reflector

Command Mode

- /exec

ipv6	Display BGP information for IPv6 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
private	(Optional) private
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)

<i>TABLE_prefix</i>	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
<i>TABLE_advertisedto</i>	(Optional)
<i>advertisedto</i>	(Optional)
<i>TABLE_scheduledto</i>	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
<i>TABLE_path</i>	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)

<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalf-life</i>	(Optional)

<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_v6sid_flag</i>	(Optional)
<i>psid_origsr gb_len</i>	(Optional)

psid_origsrgb_flag (Optional)

psid_origsrgb_base (Optional)

psid_origsrgb_end (Optional)

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 } ] [ __readonly__ TABLE_vrf <vrf-name-out>
TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [
<rd_vrf> ] [ <rd_vniid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion>
<totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked> ] [
<export-on-newlist> <export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path
<pathnr> { { <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit>
<pathmultipath> <status> <best> <type> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn>
<hold_down> } | { <metric> <localpref> <weight> <aspath> <origin> } } } | [ <policyincomplete>
<pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath>
<pathnolabeledrn> ] [ <existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric>
{ <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator>
<aggregators> ] [ <inlabel> ] [ { TABLE_community <community> } ] [ { TABLE_extcommunity
<extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime>
<flaps> <flaptime> <flapflags> <flapindex> <flaphalfife> <flapreuse> <flapsuppress> <flapmax> ] [
<con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx>
] [ <psid_v6sid_len> <psid_v6sid_flag> ] [ <psid_origrsrgb_len> <psid_origrsrgb_flag> <psid_origrsrgb_base>
<psid_origrsrgb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <link-state-attr> <link-state-attr-len> ] [ <mdt_grp_addr> ] } } ] [ TABLE_advertisedto <advertisedto> ] [
TABLE_scheduledto <scheduledto> ] ] ] ]
```

Syntax Description

Syntax Description	Description
show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
<i>regexp-str</i>	Regular expression to match the AS paths
__readonly__	(Optional)

TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)

<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)

<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)

<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_v6sid_flag</i>	(Optional)
<i>psid_origsrgrb_len</i>	(Optional)
<i>psid_origsrgrb_flag</i>	(Optional)
<i>psid_origsrgrb_base</i>	(Optional)
<i>psid_origsrgrb_end</i>	(Optional)

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 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi>
TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [
<rd_vniid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths>
<bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked> ] [ <export-on-newlist>
<export-on-xmitlist> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { {
<pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath>
<status> <best> <type> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } |
{ <metric> <localpref> <weight> <aspath> <origin> } } } [ { <policyincomplete> <pathvalid> <pathbest>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> ] [
<existpath> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> |
<ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
] [ <inlabel> ] [ { TABLE_community <community> } ] [ { TABLE_extcommunity <extcommunity> } ] [
<originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime> <flaps> <flaptime>
<flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax> ] [ <con_type> <con_len>
<con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len>
<psid_v6sid_flag> ] [ <psid_origrsrgb_len> <psid_origrsrgb_flag> <psid_origrsrgb_base> <psid_origrsrgb_end>
] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <link-state-attr>
<link-state-attr-len> ] [ <mdt_grp_addr> ] ] ] ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

Syntax Description	Description
show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
__readonly__	(Optional)
TABLE_vrf	(Optional)

<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>export-on-newlist</i>	(Optional)

<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>existpath</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)

<i>aggregatoras</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)

<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_v6sid_flag</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)

Command Mode

- /exec

show bgp sessions

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] sessions [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ <totalpeers>
<totalestablishedpeers> <localas> TABLE_vrf <vrf-name-out> <local-as> <vrfpeers> <vrfestablishedpeers>
<router-id> TABLE_neighbor <neighbor-id> <remoteas> <connectionsdropped> <lastflap> <lastread>
<lastwrite> <state> <localport> <remoteport> <notificationssent> <notificationsreceived> ]
```

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	vrf	(Optional) Virtual Router Context
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(Optional) Known VRF name
	sessions	Display session information for all peers
	<i>__readonly__</i>	(Optional)
	TABLE_vrf	(Optional)
	<i>vrf-name-out</i>	(Optional)
	<i>local-as</i>	(Optional)
	<i>totalpeers</i>	(Optional)
	<i>totalestablishedpeers</i>	(Optional)
	<i>router-id</i>	(Optional)
	<i>localas</i>	(Optional)
	<i>vrfpeers</i>	(Optional)
	<i>vrfestablishedpeers</i>	(Optional)
	TABLE_neighbor	(Optional)
	<i>neighbor-id</i>	(Optional)
	<i>remoteas</i>	(Optional)
	<i>connectionsdropped</i>	(Optional)
	<i>lastflap</i>	(Optional)
	<i>lastread</i>	(Optional)

<i>lastwrite</i>	(Optional)
<i>state</i>	(Optional)
<i>localport</i>	(Optional)
<i>remoteport</i>	(Optional)
<i>notificationssent</i>	(Optional)
<i>notificationsreceived</i>	(Optional)

Command Mode

- /exec

show bgp statistics

```
show bgp statistics [ __readonly__ <msgsent> <msgrcvd> <bytesent> <bytercvd> <opensent> <openrcvd>
<updatesent> <updaterecvd> <kasent> <karecvd> <notifsent> <notifrcvd> <rrefreshsent> <rrefreshrcvd>
<capsent> <caprcvd> ]
```

Syntax Description

Syntax Description	show	Show running system information
	bgp	Display BGP status and configuration
	statistics	BGP global statistics
	<i>__readonly__</i>	(Optional)
	<i>msgsent</i>	(Optional)
	<i>msgrcvd</i>	(Optional)
	<i>bytesent</i>	(Optional)
	<i>bytercvd</i>	(Optional)
	<i>opensent</i>	(Optional)
	<i>openrcvd</i>	(Optional)
	<i>updatesent</i>	(Optional)
	<i>updaterecvd</i>	(Optional)
	<i>kasent</i>	(Optional)
	<i>karecvd</i>	(Optional)
	<i>notifsent</i>	(Optional)
	<i>notifrcvd</i>	(Optional)
	<i>rrefreshsent</i>	(Optional)
	<i>rrefreshrcvd</i>	(Optional)
	<i>capsent</i>	(Optional)
	<i>caprcvd</i>	(Optional)

Command Mode

- /exec

<i>vrf-state</i>	(Optional) VRF State
<i>vrf-state-rsn</i>	(Optional) VRF State Reason
<i>vrf-delete-pending</i>	(Optional) VRF delete pending
<i>vrf-vni-id</i>	(Optional) VRF VNI ID
<i>vrf-vni-id-valid</i>	(Optional) VRF VNI ID validity
<i>vrf-encap-type</i>	(Optional) VRF encapsulation type
<i>vrf-vtep-ip</i>	(Optional) VRF VTEP IP
<i>vrf-vtep-virtual-ip</i>	(Optional) VRF VTEP Virtual IP
<i>vrf-router-mac</i>	(Optional) VRF Router MAC
<i>vrf-router-id</i>	(Optional) Router ID
<i>vrf-cfgd-id</i>	(Optional) Configured Router-ID
<i>vrf-local-as</i>	(Optional) Local AS
<i>vrf-confed-id</i>	(Optional) Cluster-ID
<i>vrf-cluster-id</i>	(Optional) Cluster-ID
<i>vrf-reconnect-interval</i>	(Optional) VRF reconnect interval
<i>vrf-peers</i>	(Optional) No. of configured peers
<i>vrf-pending-peers</i>	(Optional) No. of pending peers
<i>vrf-est-peers</i>	(Optional) No. of established peers
<i>vrf-cfgd-max-as-limit</i>	(Optional) Configured maxas-limit
<i>vrf-max-as-limit</i>	(Optional) Active maxas-limit
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
TABLE_af	(Optional)
<i>af-id</i>	(Optional) AF ID
<i>af-table-id</i>	(Optional) AF table
<i>af-name</i>	(Optional) AF table name
<i>af-state</i>	(Optional) AF table state
<i>af-state-rsn</i>	(Optional) AF table state reason
<i>af-num-peers</i>	(Optional) No. of peers

<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map
<i>af-retain-rt</i>	(Optional) Retain RT
TABLE_saf	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>configuredpeers</i>	(Optional)
<i>capablepeers</i>	(Optional)
<i>totalnetworks</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>memoryused</i>	(Optional)
<i>numberattrs</i>	(Optional)
<i>bytesattrs</i>	(Optional)
<i>numberpaths</i>	(Optional)
<i>bytespaths</i>	(Optional)
<i>numbercommunities</i>	(Optional)
<i>bytescommunities</i>	(Optional)
<i>numberclusterlist</i>	(Optional)
<i>bytesclusterlist</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
<i>softreconfigrecvdpaths</i>	(Optional)

<i>softreconfigidenticalpaths</i>	(Optional)
<i>softreconfigcombopaths</i>	(Optional)
<i>softreconfigfilteredrecvd</i>	(Optional)
<i>softreconfigbytes</i>	(Optional)
TABLE_neighbor	(Optional)
<i>neighborid</i>	(Optional)
<i>neighborversion</i>	(Optional)
<i>neighboras</i>	(Optional)
<i>msgrecvd</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>inq</i>	(Optional)
<i>outq</i>	(Optional)
<i>time</i>	(Optional)
<i>state</i>	(Optional)
<i>prefixreceived</i>	(Optional)

Command Mode

- /exec

show bgp summary

```
show bgp { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt | vpnv4 unicast | vpnv6
unicast | ipv6 labeled-unicast | link-state | l2vpn vpls | ipv4 mvpn | ipv6 mvpn | l2vpn evpn | ipv4 labeled-unicast
| all } summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf <vrf-name-out> [ <vrf-id> ] [ <vrf-state> ] [ <vrf-state-rsn> ] [ <vrf-delete-pending> ] [
<vrf-vni-id> ] [ <vrf-vni-id-valid> ] [ <vrf-encap-type> ] [ <vrf-vtep-ip> ] [ <vrf-vtep-virtual-ip> ] [
<vrf-router-mac> ] [ <vrf-router-id> ] [ <vrf-cfgd-id> ] [ <vrf-local-as> ] [ <vrf-confed-id> ] [ <vrf-cluster-id>
] [ <vrf-reconnect-interval> ] [ <vrf-peers> ] [ <vrf-pending-peers> ] [ <vrf-est-peers> ] [
<vrf-cfgd-max-as-limit> ] [ <vrf-max-as-limit> ] [ <vrf-rd> ] [ <vrf-pending-rd> ] [ TABLE_af <af-id> [
<af-name> ] [ <af-table-id> ] [ <af-state> ] [ <af-state-rsn> ] [ <af-num-peers> ] [ <af-num-active-peers> ] [
<af-peer-routes> ] [ <af-peer-paths> ] [ <af-peer-networks> ] [ <af-peer-aggregates> ] [ <af-export-rmap> ]
[ <af-import-rmap> ] [ <af-retain-rt> ] TABLE_saf <safi> [ <af-name> ] [ <tableversion> ] [ <configuredpeers>
] [ <capablepeers> ] [ <totalnetworks> ] [ <totalpaths> ] [ <memoryused> ] [ <numberattrs> ] [ <bytesattrs>
] [ <numberpaths> ] [ <bytespaths> ] [ <numbercommunities> ] [ <bytescommunities> ] [ <numberclusterlist>
] [ <bytesclusterlist> ] [ <dampening> ] [ <historypaths> ] [ <dampenedpaths> ] [ <softreconfigrecvdpaths>
] [ <softreconfigidenticalpaths> ] [ <softreconfigcombopathes> ] [ <softreconfigfilteredrecvd> ] [
<softreconfigbytes> ] [ TABLE_neighbor <neighborid> [ <neighborversion> ] [ <neighboras> ] [ <msgrecvd>
] [ <msgsent> ] [ <neighbortableversion> ] [ <inq> ] [ <outq> ] [ <time> ] [ <state> ] [ <prefixreceived> ] ]
] ]
```

Syntax Description

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 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
labeled-unicast	Display BGP information for labeled-unicast address family
mdt	Display BGP information for multicast distribution tree

link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional) VRF name
<i>vrf-id</i>	(Optional) VRF ID
<i>vrf-state</i>	(Optional) VRF State
<i>vrf-state-rsn</i>	(Optional) VRF State Reason
<i>vrf-delete-pending</i>	(Optional) VRF delete pending
<i>vrf-vni-id</i>	(Optional) VRF VNI ID
<i>vrf-vni-id-valid</i>	(Optional) VRF VNI ID validity
<i>vrf-encap-type</i>	(Optional) VRF encapsulation type
<i>vrf-vtep-ip</i>	(Optional) VRF VTEP IP
<i>vrf-vtep-virtual-ip</i>	(Optional) VRF VTEP Virtual IP
<i>vrf-router-mac</i>	(Optional) VRF Router MAC
<i>vrf-router-id</i>	(Optional) Router ID
<i>vrf-cfgd-id</i>	(Optional) Configured Router-ID
<i>vrf-local-as</i>	(Optional) Local AS
<i>vrf-confed-id</i>	(Optional) Cluster-ID
<i>vrf-cluster-id</i>	(Optional) Cluster-ID
<i>vrf-reconnect-interval</i>	(Optional) VRF reconnect interval
<i>vrf-peers</i>	(Optional) No. of configured peers
<i>vrf-pending-peers</i>	(Optional) No. of pending peers
<i>vrf-est-peers</i>	(Optional) No. of established peers

<i>vrf-cfgd-max-as-limit</i>	(Optional) Configured maxas-limit
<i>vrf-max-as-limit</i>	(Optional) Active maxas-limit
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
TABLE_af	(Optional)
<i>af-id</i>	(Optional) AF ID
<i>af-table-id</i>	(Optional) AF table
<i>af-name</i>	(Optional) AF table name
<i>af-state</i>	(Optional) AF table state
<i>af-state-rsn</i>	(Optional) AF table state reason
<i>af-num-peers</i>	(Optional) No. of peers
<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map
<i>af-retain-rt</i>	(Optional) Retain RT
TABLE_saf	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>configuredpeers</i>	(Optional)
<i>capablepeers</i>	(Optional)
<i>totalnetworks</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>memoryused</i>	(Optional)
<i>numberattrs</i>	(Optional)

<i>bytesattrs</i>	(Optional)
<i>numberpaths</i>	(Optional)
<i>bytespaths</i>	(Optional)
<i>numbercommunities</i>	(Optional)
<i>bytescommunities</i>	(Optional)
<i>numberclusterlist</i>	(Optional)
<i>bytesclusterlist</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
<i>softreconfigrecvdpaths</i>	(Optional)
<i>softreconfigidenticalpaths</i>	(Optional)
<i>softreconfigcombopath</i>	(Optional)
<i>softreconfigfilteredrecvd</i>	(Optional)
<i>softreconfigbytes</i>	(Optional)
TABLE_neighbor	(Optional)
<i>neighborid</i>	(Optional)
<i>neighborversion</i>	(Optional)
<i>neighboras</i>	(Optional)
<i>msgrecvd</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>inq</i>	(Optional)
<i>outq</i>	(Optional)
<i>time</i>	(Optional)
<i>state</i>	(Optional)
<i>prefixreceived</i>	(Optional)

Command Mode

- /exec

show boot

```
show boot [ __readonly__ { [ TABLE_bootvar_show <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
__readonly__		(Optional)
TABLE_bootvar_show	(Optional)	Bootvar table
<i>Str1</i>	(Optional)	

Command Mode

- /exec

show boot auto-copy

```
show boot auto-copy [ __readonly__ { [ TABLE_auto_copy <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
auto-copy		See if autcopy is turned on
__readonly__	(Optional)	
TABLE_auto_copy	(Optional)	Auto copy table
<i>Str1</i>	(Optional)	

Command Mode

- /exec

show boot auto-copy list

```
show boot auto-copy list [ __readonly__ { [ TABLE_auto_copy_list <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
auto-copy		See if autcopy is turned on
list		Show the list of files to be auto-copied
__readonly__		(Optional)
TABLE_auto_copy_list	(Optional)	Auto copy table
<i>Str1</i>	(Optional)	

Command Mode

- /exec

show boot current

```
show boot current [ __readonly__ { [ TABLE_bootvar_current <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
current		Show Current Bootvar Variables
__readonly__		(Optional)
TABLE_bootvar_current	(Optional)	Bootvar current table
<i>Str1</i>	(Optional)	

Command Mode

- /exec

show boot mode

```
show boot mode [ __readonly__ { [ TABLE_mode <Str1> ] } ]
```

Syntax Description

Syntax Description

show	Show boot mode information
boot	Show boot mode
mode	See if lxc boot is turned on
<i>__readonly__</i>	(Optional)
<i>TABLE_mode</i>	(Optional) boot mode table
<i>Str1</i>	(Optional)

Command Mode

- /exec

show boot module

```
show boot module [ [ <module> ] [ <s0> ] [ __readonly__ { [ TABLE_show_mod <Str1> } ] ] ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
module		Enter module to show config of all modules
<i>module</i>		(Optional) Enter module number to show config
<i>s0</i>		(Optional) Enter module keyword to show config
<i>__readonly__</i>		(Optional)
<i>TABLE_show_mod</i>		(Optional) Show Module table
<i>Str1</i>		(Optional)

Command Mode

- /exec

show boot order

```
show boot order [ __readonly__ { [ TABLE_bootvar_order <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
order		Show Boot Order
__readonly__		(Optional)
TABLE_bootvar_order		(Optional) Boot order table
<i>Str1</i>		(Optional)

Command Mode

- /exec

show boot sup-1

```
show boot sup-1 [ __readonly__ { [ TABLE_show_sup1 <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
sup-1		Enter sup-1 to show the 1st sup config
__readonly__		(Optional)
TABLE_show_sup1	(Optional)	Show Sup-1 bootvar table
<i>Str1</i>	(Optional)	

Command Mode

- /exec

show boot sup-2

```
show boot sup-2 [ __readonly__ { [ TABLE_show_sup2 <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
sup-2		Enter sup-2 to show the 2nd sup config
__readonly__		(Optional)
TABLE_show_sup2	(Optional)	Show Sup-22 bootvar table
<i>Str1</i>	(Optional)	

Command Mode

- /exec

show boot timings

show boot timings

Syntax Description

Syntax	Description
show	Show running system information
boot	show boot information
timings	show boot timings

Command Mode

- /exec

show boot variables

```
show boot variables [ __readonly__ { [ TABLE_boot_vars <Str1> ] } ]
```

Syntax Description

Syntax Description		
show		Show running system information
boot		Show Bootvar Variables
variables		Display the list of boot variables
__readonly__	(Optional)	
TABLE_boot_vars	(Optional)	Show boot variables table
<i>Str1</i>	(Optional)	

Command Mode

- /exec

show bootmode

```
show bootmode [ module <module> ] [ __readonly__ { TABLE_bootmode_info <mod_num> <bootmode>
} ]
```

Syntax Description

Syntax Description		
show		Show running system information
bootmode		show bootmode of the all linecard modules
module		(Optional) show bootmode of a specific linecard module
<i>module</i>		(Optional) please enter module number
<i>__readonly__</i>		(Optional)
TABLE_bootmode_info		(Optional)
<i>mod_num</i>		(Optional)
<i>bootmode</i>		(Optional)

Command Mode

- /exec

show buffers ip

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

Syntax Description

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