



## B Show Commands

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# show background

```
show background [ __readonly__ [ { TABLE_jobs <pid> <user_name> <terminal> <start> <time> <script>
<args> } ] ]
```

## Syntax Description

show	Show running system information
background	show background processes (started with 'source background <file>' command)
__readonly__	(Optional)
TABLE_jobs	(Optional) All background jobs
<i>pid</i>	(Optional) Process ID of the job
<i>user_name</i>	(Optional) User name of the process
<i>terminal</i>	(Optional) Terminal where job is running
<i>start</i>	(Optional) Start time of job
<i>time</i>	(Optional) Time
<i>script</i>	(Optional) Script name
<i>args</i>	(Optional) Arguments passed to script

## Command Mode

- /exec

# show banner exec

```
show banner exec [ __readonly__ { banner_msg <b_msg> } ]
```

## Syntax Description

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

## Command Mode

- /exec

# show banner motd

```
show banner motd [ __readonly__ { banner_msg <b_msg> } ]
```

## Syntax Description

show	Show running system information
banner	Show current banner message
motd	Show current motd banner message
__readonly__	(Optional)
banner_msg	(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

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 clients

```
show bfd clients [ __readonly__ <header> [ { TABLE_bfdClients <client_name> <num_sess> } ] ]
```

## 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 neighbors

```
show bfd { [ vrf { <vrf-name> | <vrf-known-name> | all } ] } { [ <ip_type> ] } neighbors { [ multihop ] | [
module <module> ] | [ 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> ] [
<sess_type> ] [ <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> ]
] [ <detect_timer> ] [ <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> ] [ <up_count> ] [
<down_count> ] [ <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

show	Show running system information
bfd	BFD commands
<i>ip_type</i>	(Optional) ipv4 or ipv6
neighbors	neighbors
multihop	(Optional) Display Multihop sessions only
module	(Optional) module
<i>module</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
all	(Optional) Display information for all VRFs
details	(Optional) details
<i>__readonly__</i>	(Optional)
TABLE_bfdNeighbor	(Optional) BFD Neighbor table
<i>header</i>	(Optional) Header
<i>sess_type</i>	(Optional) Session type
<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>detect_timer</i>	(Optional) Current Detection Timer
<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>up_count</i>	(Optional) Up Count
<i>down_count</i>	(Optional) Down Count
<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
<i>auth</i>	(Optional) Authentication Mode
<i>auth_bit</i>	(Optional) Auth Bit in Last Packet
<i>print_details</i>	(Optional) print details

**Command Mode**

- /exec



static	(Optional) Static routes
direct	(Optional) Directly connected
amt	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
lisp	(Optional) LISP EID-prefixes in the non-default VRF
hmm	(Optional) HMM prefix
am	(Optional) AM routes (learned via ARP)
<i>tag</i>	(Optional) Source protocol tag
neighbor	Show neighbor specific counters
<i>neighbor-id</i>	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
<i>ip-addr</i>	IP network advertised
<i>ip-mask</i>	Dotted 4-octet mask
<i>ip-prefix</i>	IP prefix in CIDR format
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-polstats</i>	(Optional)
<i>rpm-handle-count</i>	(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 } ] [ { ipv4 { unicast |
multicast } | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast
} [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] [ detail ] | <ip-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast } [ <ipv6-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { 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> | sa-ad <v4src-addr> <v4grp-addr> | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail
] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] | join [ detail ] | sa-ad [ detail ] | i-pmsi [ detail ] ] | 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> | sa-ad
<v6src-addr> <v6grp-addr> | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7
} [ detail ] | join [ detail ] | sa-ad [ detail ] | i-pmsi [ detail ] ] | l2vpn evpn [ route-type <rtype> [ etid <et> ] |
detail | rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ route-type <rtype> [ etid <et> ] |
<ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address> ] | vni-id <vni_id> [ route-type <rtype> | detail ] | es <es-id>
[ route-type <rtype> [ etid <et> ] ] | <ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address> ] | all [ detail ] } [ 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> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [
<locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type>
<statuscode> <bestcode> <typecode> { <ipnnexthop> | <ipv6nnexthop> } { { <inlabel> <outlabel> <vpn>
<hold_down> } | { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] } } } | [ <policyincomplete>
<pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit>
<pathmultipath> <pathnolabeledrn> <pathlocator> ] [ <importsource> [ <originalimportsource> ] ] [
<importdestscount> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnnexthop> | <ipv6nnexthop> } <nnexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_extcommunity <extcommunity> }
] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime> <flaps> <flaptime>
<flapflags> <flapindex> <flaphalf-life> <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_sub_type> <psid_v6sid> <psid_func_len> <psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len>
<psid_origsrgrb_flag> <psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [
<tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [ TABLE_path_attr_list <path_attr_list> [ TABLE_attr
<attr_num> <attr_code_str> <attr_code_hex> <attr_flags> <attr_len> [ TABLE_attr_val <attr_value> ] ] ] }
} ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]

```

## 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
1	(Optional) Inter-AS PMSI AD
2	(Optional) Intra-AS PMSI AD
3	(Optional) SPMSI AD
4	(Optional) LEAF AD
5	(Optional) Source-Active AD
6	(Optional) Shared C-Multicast
7	(Optional) Source C-Multicast
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
es	(Optional) Ethernet Segment



<i>es-id</i>	(Optional) ESID
<i>etid</i>	(Optional) Ethernet Tag-ID for L2VPN EVPN route
<i>et</i>	(Optional) Ethernet Tag-ID
<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
<i>block-offset</i>	(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
<i>ipv4</i>	Display BGP information for IPv4 address family
<i>vpnv4</i>	Display BGP information for VPNv4 address family
<i>vpnv6</i>	Display BGP information for VPNv6 address family
<i>ipv6</i>	Display BGP information for IPv6 address family
<i>unicast</i>	Display BGP information for unicast address family
<i>multicast</i>	Display BGP information for multicast address family
<i>mdt</i>	Display BGP information for multicast distribution tree
<i>link-state</i>	Display BGP information for link-state address family
<i>l2vpn</i>	Display BGP information for L2VPN address family
<i>vpls</i>	Display BGP information for L2VPN VPLS address family
<i>labeled-unicast</i>	Display BGP information for labeled-unicast address family
<i>mvpn</i>	Display BGP information for MVPN address family
<i>evpn</i>	Display BGP information for L2VPN EVPN address family
<i>all</i>	Display BGP information for all address families
<i>join</i>	(Optional) Display Multicast Join route
<i>detail</i>	(Optional) Display detailed path info for routes
<i>sa</i>	(Optional) Display Multicast Source Active AD route
<i>sa-ad</i>	(Optional) Display Multicast Source Active AD route
<i>i-pmsi</i>	(Optional) Display Multicast Intra-AS I-PMSI route

<i>rp</i>	(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>l</i>	(Optional) vrf
<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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_ <i>importdests</i>	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec

# show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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 } { route-map {
<rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | { community-list {
<commlist-name> | <test_pol_name> } | extcommunity-list { <extcommllist-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> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel>
<vpn> <hold_down> } } { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] } } } | { [
<policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled> <pathhistory>
<pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh> <pathlocator> ] [ <importsourced> [
<originalimportsourced> ] ] [ <importdstscount> ] [ TABLE_importdsts <importdest> ] [ <existpath> ] [
<gwip> | <ipv6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor>
| <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
<atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { TABLE_community <community> } ] [ {
TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflaps> <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_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origrsgb_len> <psid_origrsgb_flag> <psid_origrsgb_base>
<psid_origrsgb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsti> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] } } ] [ TABLE_advertisedto <advertisedto> ] [
TABLE_scheduledto <scheduledto> ] ] ] ]
```

### 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>commnlist-name</i>	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommnlist-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
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
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
__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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec

# show bgp

```

show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { 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
<ip6nexthop> } [ 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> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhdlwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ip6nexthop> } { { <inlabel> <outlabel>
<vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] } } } | { {
<policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled> <pathhistory>
<pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh> <pathlocator> ] [ <importsource> [
<originalimportsource> ] ] [ <importdstscount> ] [ TABLE_importdsts <importdest> ] [ <existpath> ] [
<gwip> | <ip6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ip6nexthop> } <nexthopmetric> { <neighbor>
| <ip6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
<atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { 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_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] } } [ TABLE_advertisedto <advertisedto> ] [
TABLE_scheduledto <scheduledto> ] ] ] ] ]

```

## Syntax 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
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
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
<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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)

<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)

<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec

# show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ipv4 { unicast
| multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn } nexthop-database
[ <ipnexthop> ] } | { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn } nexthop-database [
<ipv6nexthop> ] } | { all nexthop-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> <nhnnoncriticaldelay> [ { TABLE_nexthop {
<ipnexthop-out> | <ipv6nexthop-out> } <refcount> <igpmetric> <multipath> <igptype> <igppref> [ {
TABLE_attachedhops { <attachedhop> | <ipv6attachedhop> } <interface> [ { TABLE_labels <index> <label>
} ] ] ] <attached> <local> <reachable> <labeled> <filtered> <suppressed> <resolvetime> { <ribroute> |
<ipv6ribroute> } <pendingupdate> [ <pendingtime> ] <nextadvertise> <rnhepoch> [ <pendingrnhepoch> ]
} ] ]
```

## 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
nexthop-database	Display nexthop database
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
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
all	Display BGP information for all address families

<i>ipnexthop</i>	(Optional) Nexthop address
<i>__readonly__</i>	(Optional)
TABLE_ <i>nhvrf</i>	(Optional)
<i>nhvrf-name-out</i>	(Optional)
TABLE_ <i>nhafi</i>	(Optional)
<i>nhafi</i>	(Optional)
TABLE_ <i>nhsafi</i>	(Optional)
<i>nhsafi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>nhcriticaldelay</i>	(Optional)
<i>nhnoncriticaldelay</i>	(Optional)
TABLE_ <i>nexthop</i>	(Optional)
<i>ipnexthop-out</i>	(Optional)
<i>refcount</i>	(Optional)
<i>igpmetric</i>	(Optional)
<i>multipath</i>	(Optional)
<i>igptype</i>	(Optional)
<i>igppref</i>	(Optional)
TABLE_ <i>attachedhops</i>	(Optional)
<i>attachedhop</i>	(Optional)
<i>interface</i>	(Optional)
TABLE_ <i>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)

<i>suppressed</i>	(Optional)
<i>resolvetime</i>	(Optional)
<i>pendingupdate</i>	(Optional)
<i>pendingtime</i>	(Optional)
<i>ribroute</i>	(Optional)
<i>nextadvertise</i>	(Optional)
<i>rnheepoch</i>	(Optional)
<i>pendingrnheepoch</i>	(Optional)

**Command Mode**

- /exec

# show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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> ] ] [ <dampening> <historypaths> <dampenedpaths> ] [
TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <status> ] [ <pathtype> ] [ <peer> | <ipv6peer>
] [ <flapcount> ] [ <duration> ] [ <reuse> ] [ <penalty> ] [ <suppresslimit> ] [ <reuselimit> ] [ <best> ] ] ] ]
]
```

## 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
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
__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)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</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



<i>refresh_interval</i>	(Optional) refresh delay for bmp server
<i>stats_interval</i>	(Optional) frequency of stat updates
<i>initiation</i>	(Optional) number of initiation messages
<i>termination</i>	(Optional) number of termination messages
<i>peer_up</i>	(Optional) number of peer up messages
<i>peer_down</i>	(Optional) number of peer down messages
<i>route_monitor</i>	(Optional) number of route monitor messages
<i>route_mirror</i>	(Optional) number of route mirror messages
<i>stats</i>	(Optional) number of stats messages
<i>messages_dropped</i>	(Optional) number of dropped messages
<i>monitored_peers</i>	(Optional) number of monitored peers for the bmp server
TABLE_peer	(Optional) monitored peer for the bmp server
<i>peer_addr</i>	(Optional) ip address of the peer
<i>refresh_interval</i>	(Optional) refresh delay for the peer
<i>peer_up</i>	(Optional) number of peer up messages for the peer
<i>peer_down</i>	(Optional) number of peer down messages for the peer
<i>route_monitor</i>	(Optional) number of route monitor messages for the peer
<i>route_mirror</i>	(Optional) number of route mirror messages for the peer
<i>stats</i>	(Optional) number of stats messages for the peer
<i>messages_dropped</i>	(Optional) number of dropped messages for the peer
<i>prefixes_denied</i>	(Optional) prefixes denied for the peer
<i>dup_pfx_advmnt</i>	(Optional) dup pfx advmnt for the peer
<i>pfx_dup_wdr_count</i>	(Optional) pfx dup wdr count for the peer
<i>cluster_list_loops</i>	(Optional) cluster list loops for the peer
<i>as_path_loops</i>	(Optional) as path loops for the peer
<i>as_confed_loops</i>	(Optional) as confed loops for the peer
<i>invalid_originator</i>	(Optional) invalid originator for the peer
<i>adj_rib_in</i>	(Optional) adj-rib-in for the peer
<i>loc-rib</i>	(Optional) loc-rib for the peer

**Command Mode**

- /exec

# show bgp community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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 } community {
<regexp-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_vniid> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths>
<bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked> ] [ <table-map-filtered>
] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [
<mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> {
<ipnexthop> | <ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath>
<origin> [ <metric> ] [ <localpref> ] } } } | { { <policyincomplete> <pathvalid> <pathbest> <pathreoriginated>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabelednrh>
<pathlocator> } [ <importsource> [ <originalimportsource> ] ] [ <importdestscount> ] [ TABLE_importdests
<importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop>
} <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight>
[ <aggregator> <aggregatortas> <atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { TABLE_community
<community> } ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist
<clusterlist> } ] [ <flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalf-life>
<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_sub_type> <psid_v6sid>
<psid_func_len> <psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag>
<psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid>
<remotenh_mac> ] [ <pmsi> ] [ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len>
] [ <mdt_grp_addr> ] [ TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str>
<attr_code_hex> <attr_flags> <attr_len> [ TABLE_attr_val <attr_value> ] ] ] ] } } [ TABLE_advertisedto
<advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]
```

## 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

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
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN 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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)

<i>tunnel-encap-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>psid</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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origrsgb_len</i>	(Optional)
<i>psid_origrsgb_flag</i>	(Optional)
<i>psid_origrsgb_base</i>	(Optional)
<i>psid_origrsgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)

<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec



<i>updatedelay</i>	(Optional)
<i>firstpeerup</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>ribribconvergenceent</i>	(Optional)
<i>importtimerrunning</i>	(Optional)
<i>importtimerexpires</i>	(Optional)
TABLE_rcvdpeers	(Optional)
<i>peer</i>	(Optional)
<i>signalledtimepeer</i>	(Optional)
<i>interface-parent</i>	(Optional)
TABLE_notrcvdpeers	(Optional)
<i>notpeer</i>	(Optional)
<i>nokeepalive</i>	(Optional)
<i>notsignalledtime</i>	(Optional)

**Command Mode**

- /exec

## show bgp dampening dampened

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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 {
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> ] [
<table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [ <locallabel> ] [
<labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode>
<typecode> { <ipnexthop> | <ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight>
<aspath> <origin> [ <metric> ] [ <localpref> ] } } } | { [ <policyincomplete> <pathvalid> <pathbest>
<pathreoriginated> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath>
<pathnolabeledrn> <pathlocator> ] [ <importsource> [ <originalimportsource> ] ] [ <importdestscount> ] [
TABLE_importdests <importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath> <source> ] {
<ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin>
[ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel> ] [
<originflag> ] [ { 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_sub_type> <psid_v6sid> <psid_func_len> <psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len>
<psid_origsrgrb_flag> <psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmisi> ] [ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [
<tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [ TABLE_path_attr_list <path_attr_list> [ TABLE_attr
<attr_num> <attr_code_str> <attr_code_hex> <attr_flags> <attr_len> [ TABLE_attr_val <attr_value> ] ] ]
} } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]
```

### 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
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
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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)

<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)

<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec

## show bgp dampening flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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
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> ] ] [ <dampening> <historypaths> <dampenedpaths> ] [ TABLE_prefix { <ipprefix>
| <ipv6prefix> | <nonipprefix> } ] [ <status> ] [ <pathtype> ] [ <peer> | <ipv6peer> ] [ <flapcount> ] [ <duration>
] [ <reuse> ] [ <penalty> ] [ <suppresslimit> ] [ <reuselimit> ] [ <best> ] ] ] ] ]
```

### 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 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
ipv6	Display BGP information for IPv6 address family
vpv4	Display BGP information for VPNv4 address family
vpv6	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
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__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)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</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 } ] { 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 half life>
<damp suppress> <damp reuse> <damp suppress time> <damp max penalty> ] ] ]
```

### 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
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
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__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)
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>rpm damp suppress</i>	(Optional)
<i>rpm damp reuse</i>	(Optional)
<i>rpm damp suppress time</i>	(Optional)
<i>rpm damp max penalty</i>	(Optional)
<i>damp configured</i>	(Optional)
<i>damp halflife</i>	(Optional)
<i>damp suppress</i>	(Optional)
<i>damp reuse</i>	(Optional)

<i>dampsuppresstime</i>	(Optional)
<i>dampmaxpenalty</i>	(Optional)

**Command Mode**

- /exec

## show bgp evi

```
show bgp evi [ <evi-id> ] [ __readonly__ [ TABLE_ctx <eid> <rd> [ <secondaryrd> ] <numlocalprefixes>
<numtotalprefixes> <created> <lastoperup> <lastoperdown> <enabled> [ <associatedvrf> ] [
TABLE_activeexportrts <exportrt> ] [ TABLE_activeimportrts <importrt> ] [ TABLE_evpnactiveexportrts
<evpnexportrt> ] [ TABLE_evpnactiveimportrts <evpnimportrt> ] [ TABLE_mvnpactiveexportrts
<mvpnexportrt> ] [ TABLE_mvnpactiveimportrts <mvpnimportrt> ] [ TABLE_activeexportrtsv6 <exportrtv6>
] [ TABLE_activeimportrtsv6 <importrtv6> ] [ TABLE_evpnactiveexportrtsv6 <evpnexportrtv6> ] [
TABLE_evpnactiveimportrtsv6 <evpnimportrtv6> ] [ TABLE_mvnpactiveexportrtsv6 <mvpnexportrtv6> ]
[ TABLE_mvnpactiveimportrtsv6 <mvpnimportrtv6> ] ] ]
```

### Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
evi	Display information about EVI database
<i>evi-id</i>	(Optional) EVI Id
<i>__readonly__</i>	(Optional)
<i>TABLE_ctx</i>	(Optional)
<i>eid</i>	(Optional)
<i>rd</i>	(Optional)
<i>secondaryrd</i>	(Optional)
<i>numlocalprefixes</i>	(Optional)
<i>numtotalprefixes</i>	(Optional)
<i>created</i>	(Optional)
<i>lastoperup</i>	(Optional)
<i>lastoperdown</i>	(Optional)
<i>enabled</i>	(Optional)
<i>associatedvrf</i>	(Optional)
<i>TABLE_activeexportrts</i>	(Optional)
<i>TABLE_activeimportrts</i>	(Optional)
<i>TABLE_evpnactiveexportrts</i>	(Optional)
<i>TABLE_evpnactiveimportrts</i>	(Optional)
<i>TABLE_mvnpactiveexportrts</i>	(Optional)

TABLE_mvpnactiveimportrts	(Optional)
TABLE_activeexportrtsv6	(Optional)
TABLE_activeimportrtsv6	(Optional)
TABLE_evpnactiveexportrtsv6	(Optional)
TABLE_evpnactiveimportrtsv6	(Optional)
TABLE_mvpnactiveexportrtsv6	(Optional)
TABLE_mvpnactiveimportrtsv6	(Optional)
<i>importrt</i>	(Optional)
<i>exportrt</i>	(Optional)
<i>evpnimportrt</i>	(Optional)
<i>evpnexportrt</i>	(Optional)
<i>mvpnimportrt</i>	(Optional)
<i>mvpnexportrt</i>	(Optional)
<i>importrtv6</i>	(Optional)
<i>exportrtv6</i>	(Optional)
<i>evpnimportrtv6</i>	(Optional)
<i>evpnexportrtv6</i>	(Optional)
<i>mvpnimportrtv6</i>	(Optional)
<i>mvpnexportrtv6</i>	(Optional)

**Command Mode**

- /exec

## show bgp extcommunity

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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 } extcommunity
{ <regex-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ _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> ] [ <table-map-filtered> ] [
<export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [ <locallabel> ] [ <labelhlidwstr> ] [ <mpath>
] ] { TABLE_path<pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop>
| <ipv6nexthop> } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator> ] [
<importsource> [ <originalimportsource> ] ] [ <importdstscount> ] [ TABLE_importdsts <importdest> ] [
<existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric>
{ <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator>
<aggregatoras> <atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { 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_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list<path_attr_list> [ TABLE_attr<attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val<attr_value> ] ] ] } } [ TABLE_advertisedto <advertisedto> ] [
TABLE_scheduledto <scheduledto> ] ] ] ]
```

### 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

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
labeled-unicast	Display BGP information for labeled-unicast 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
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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)

TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**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> ] [ TABLE_mvpn_export_rt <mvpn-export-rt> ] [
TABLE_mvpn_import_rt <mvpn-import-rt> ] [ <af-label-mode> ] [ <af-aggregate-label> ] } ] ]
```

### 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
TABLE_mvpn_export_rt	(Optional)
<i>mvpn-export-rt</i>	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
<i>mvpn-import-rt</i>	(Optional) Import MVPN 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 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 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> | <neighbor-interface> } ] [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ [ TABLE_neighbor
{ <neighbor> | <ipv6neighbor> | <templatepeer> | <ipv4prefixneighbor> | <ipv6prefixneighbor> |
<interfaceneighbor> } ] [ <remoteas> ] [ <localas> ] <link> [ <peertype> ] [ <index> ] [ { TABLE_conf-filter
<discard-attr> } ] [ { TABLE_filter <in-attr-type> <no-discard-attr> <dfilter-type> } ] [ { TABLE_conf-wfilter
<withdrawn-attr> } ] [ { TABLE_wfilter <in-wattr-type> <no-withdrawn-attr> <wfilter-type> } ] [ TABLE_peer
<peer> ] [ <maxprefixpeers> ] [ <configpeer> ] [ <inherit-template> ] [ <inherit-session-template> ] [ {
<prefix-parent> | <ipv6prefix-parent> | <interface-parent> } ] [ <description> ] [ <version> <remote-id>
<prevstate> <state> <up> <vrf> [ <elapsedtime> ] [ <restarttime> ] ] [ <sourceif> ] [ <connectedif> ] [
<connectedcheck> ] [ <lowmemexempt> ] [ <bfd> ] [ <bfdsessiontype> ] [ <bfdmintxinterval> ] [
<bfdminrxinterval> ] [ <bfdmultiplier> ] [ <bfdauthenticationtype> ] [ <ttlsecurity> ] [ <ttllimit> ] [ <dscp>
] [ <password> ] [ <passiveonly> ] [ <activepeers> <closingpeers> <maxconcurrentpeers> ] [ <allocatedpeers>
] [ <totalpeersaccepted> ] [ <localas-inactive> ] <remove-privateas> [ <gshut-activate> ] [ <gshut-map> ] {
{ [ <lastread> ] <holdtime> <keepalivetime> [ <lastwrite> ] [ <keepalive> ] <msgrecvd> <notificationsrcvd>
<recvbufbytesinq> <msgsent> <notificationssent> <sentbytesoutstanding> <sentbytespacked> <enhancederr>
<discardattrs> <connsestablished> <connsdropped> [ <connattempts> ] { { [ <peerresettime> ]
<peerresetreason> <errlenrcvd> <errvalrcvd> <rstmajrcvd> <rstmjrcvd> [ <resettime> ] <resetreason>
<errlensnt> <errvalsnt> <rstmajst> <rstmjst> } } { [ <resettime> ] <resetreason> <errlensnt> <errvalsnt>
<rstmajst> <rstmjst> [ <peerresettime> ] <peerresetreason> <errlenrcvd> <errvalrcvd> <rstmajrcvd>
<rstmjrcvd> } } [ <capsnegotiated> <capmpadvertised> [ <caprefreshadvertised> <capgrdynamicadvertised>
] [ <capmprecvd> <caprefreshrecvd> <capgrdynamicrecvd> ] [ <capolddynamicadvertised>
<capolddynamicrecvd> <caprradvertised> <caprrrecvd> <capoldrradvertised> <capoldrrrecvd>
<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> ] [ <grrecvrestarttime> ] [
[ { 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> } ] }
[ <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> ]
} ] [ <grstate> <grexpiry> ] [ <firstkeepalive> ] [ <openssent> <opensrecvd> <updatesent> <updatesrecvd>
<keepalivesent> <keepaliverecvd> <rtrefreshsent> <rtrefreshrecvd> <capabilitiesent> <capabilitiesrecvd>
<bytesent> <bytesrecvd> ] [ TABLE_peraf <per-afi> TABLE_persaf <per-safi> <per-af-name> [
<tableversion> ] [ <neighbortableversion> ] [ <pfxrecvd> ] [ <pathsrecvd> ] [ <pfxbytes> ] [
<pfxtreataswithdrawn> ] [ <pfxsent> ] [ <pathssent> ] [ <conditionmap> <advertisemap> <advertisemapstatus>
] [ <insoftreconfigallowed> [ <insoftreconfigallowedalways> ] [ <sendcommunity> ] [ <sendextcommunity>
] [ { <localnexthop> | <ipv6localnexthop> } ] [ <thirdpartynexthop> ] [ <maxpfx> ] [ <maxpfx_threshold>
] [ <soo> ] [ <weight> ] [ <allowasin> ] <asoverride> <peerascheckdisabled> [ <vplssignalingprotocol> ] [
{ TABLE_inpolicy <inpolicynr> <inpolicytype> <inpolicynr> [ <inpolicyhandle> } ] ] [ { TABLE_outpolicy
<outpolicynr> <outpolicytype> <outpolicynr> [ <outpolicyhandle> } ] ] [ <rrconfigured> <defaultoriginate>
[ <defaultoriginatemap> ] [ <defaultsent> ] [ <grpathssaved> ] [ <firsteorrecvd> ] [ <firsteortime> ] [
<pathsflushed> ] [ <lasteorrecvtime> ] [ <lasteorsenttime> ] [ <firstconvgttime> ] [ <pfxsentfirsteor> ] [

```

```
<unsuppress-map> ][ { TABLE_policy_template <preference> <inherit-policy-template> } ]][ [ <threadid>
][ <passivethreadid> <passivefd> ]][ { <localaddr> | <ipv6localaddr> } <localport> { <remoteaddr> |
<ipv6remoteaddr> } <remoteport> <fd> ] ] ] ]
```

### 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
<i>neighbor-interface</i>	(Optional) Display details for BGP interface peering
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
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_neighbor	(Optional)
<i>neighbor</i>	(Optional)
<i>templatepeer</i>	(Optional)

<i>ipv4prefixneighbor</i>	(Optional)
<i>interfaceneighbor</i>	(Optional)
<i>remoteas</i>	(Optional)
<i>localas</i>	(Optional)
<i>link</i>	(Optional)
<i>index</i>	(Optional)
TABLE_conf-filter	(Optional)
<i>discard-attr</i>	(Optional) configured attributes those need to be discarded
TABLE_filter	(Optional)
<i>in-attr-type</i>	(Optional) matching discarded attribute
<i>no-discard-attr</i>	(Optional) number of matching attributes those are discarded
<i>dfilter-type</i>	(Optional) filter type in or out
TABLE_conf-wfilter	(Optional)
<i>withdrawn-attr</i>	(Optional) configured attributes those need to be withdrawn
TABLE_wfilter	(Optional)
<i>in-wattr-type</i>	(Optional) matching withdrawn attribute
<i>no-withdrawn-attr</i>	(Optional) number of matching attributes those are withdrawn
<i>wfilter-type</i>	(Optional) filter type in or out
TABLE_peer	(Optional)
<i>peer</i>	(Optional)
<i>maxprefixpeers</i>	(Optional)
<i>configpeer</i>	(Optional)
<i>inherit-template</i>	(Optional)
<i>inherit-session-template</i>	(Optional)
<i>prefix-parent</i>	(Optional)
<i>interface-parent</i>	(Optional)
<i>description</i>	(Optional)
<i>version</i>	(Optional)
<i>remote-id</i>	(Optional)



<i>state</i>	(Optional)
<i>prevstate</i>	(Optional)
<i>up</i>	(Optional)
<i>elapsedtime</i>	(Optional)
<i>restarttime</i>	(Optional)
<i>peertype</i>	(Optional)
<i>sourceif</i>	(Optional)
<i>connectedif</i>	(Optional)
<i>connectedcheck</i>	(Optional)
<i>lowmemexempt</i>	(Optional)
<i>bfd</i>	(Optional)
<i>bfdsessiontype</i>	(Optional)
<i>bfdmintxinterval</i>	(Optional)
<i>bfdminrxinterval</i>	(Optional)
<i>bfdmultiplier</i>	(Optional)
<i>bfdauthenticationtype</i>	(Optional)
<i>ttlsecurity</i>	(Optional)
<i>tllimit</i>	(Optional)
<i>dscp</i>	(Optional)
<i>localas-inactive</i>	(Optional)
<i>passiveonly</i>	(Optional)
<i>activepeers</i>	(Optional)
<i>closingpeers</i>	(Optional)
<i>maxconcurrentpeers</i>	(Optional)
<i>allocatedpeers</i>	(Optional)
<i>totalpeersaccepted</i>	(Optional)
<i>password</i>	(Optional)
<i>remove-privateas</i>	(Optional)
<i>gshut-activate</i>	(Optional)

<i>gshut-map</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>rcvbufbytesinq</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>notificationssent</i>	(Optional)
<i>sentbytesoutstanding</i>	(Optional)
<i>sentbytespacked</i>	(Optional)
<i>enhancederr</i>	(Optional)
<i>discardattrs</i>	(Optional)
<i>connsestablished</i>	(Optional)
<i>connsdropped</i>	(Optional)
<i>connattempts</i>	(Optional)
<i>peerresettime</i>	(Optional)
<i>peerresetreason</i>	(Optional)
<i>errlenrcvd</i>	(Optional)
<i>errvalrcvd</i>	(Optional)
<i>rstmajrcvd</i>	(Optional)
<i>rstminrcvd</i>	(Optional)
<i>errlensnt</i>	(Optional)
<i>errvalsnt</i>	(Optional)
<i>rstmajsnt</i>	(Optional)
<i>rstminsnt</i>	(Optional)
<i>resettime</i>	(Optional)

<i>resetreason</i>	(Optional)
<i>vrf</i>	(Optional)
<i>configholdtime</i>	(Optional)
<i>configkeepalivetime</i>	(Optional)
<i>grstate</i>	(Optional)
<i>gexpiry</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_ <i>epe-adj</i>	(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>opensrecvd</i>	(Optional)
<i>updatesent</i>	(Optional)
<i>updatesrecvd</i>	(Optional)
<i>keepalivesent</i>	(Optional)
<i>keepaliverecvd</i>	(Optional)
<i>rtrefreshsent</i>	(Optional)
<i>rtrefreshrecvd</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>capolddynamicrcvd</i>	(Optional)
<i>caprradvertised</i>	(Optional)
<i>caprrrcvd</i>	(Optional)
<i>capoldrradvertised</i>	(Optional)
<i>capoldrrrcvd</i>	(Optional)
<i>capas4advertised</i>	(Optional)
<i>capas4rcvd</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>capgradvertised</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_addpathscapaf	(Optional)
<i>addpathscap-afi</i>	(Optional)
TABLE_addpathscapsaf	(Optional)
<i>addpathscap-safi</i>	(Optional)
<i>addpathscap-af-name</i>	(Optional)
<i>addpathssendcap-adv</i>	(Optional)
<i>addpathsrecvcap-adv</i>	(Optional)
<i>addpathssendcap-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>neighborstableversion</i>	(Optional)
<i>pfxrecvd</i>	(Optional)
<i>pathsrecvd</i>	(Optional)
<i>pfxbytes</i>	(Optional)
<i>pfxtreataswithdrawn</i>	(Optional)
<i>pfxsent</i>	(Optional)
<i>pathssent</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)

TABLE_inpolicy	(Optional)
<i>inpolicynr</i>	(Optional)
<i>inpolicytype</i>	(Optional)
<i>inpolicyname</i>	(Optional)
<i>inpolicyhandle</i>	(Optional)
TABLE_outpolicy	(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>firsteorrecvd</i>	(Optional)
<i>firsteortime</i>	(Optional)
<i>pathsflushed</i>	(Optional)
<i>lasteorrecvtime</i>	(Optional)
<i>lasteorsenttime</i>	(Optional)
<i>firstconvgtime</i>	(Optional)
<i>pfxsentfirsteor</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>vplsignalingprotocol</i>	(Optional)
TABLE_policy_template	(Optional)
<i>preference</i>	(Optional)
<i>inherit-policy-template</i>	(Optional)

**Command Mode**

- /exec



# show bgp neighbors

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv4 labeled-unicast | ipv4
labeled-unicast | l2vpn evpn } 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> ] [ <table-map-filtered> ] [
<export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath>
] ] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop>
| <ipv6nexthop> } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator> ] [
<importsource> [ <originalimportsource> ] ] [ <importdstscount> ] [ TABLE_importdsts <importdest> ] [
<existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric>
{ <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator>
<aggregatoras> <atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { 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_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] } } [ TABLE_advertisedto <advertisedto> ] [
TABLE_scheduledto <scheduledto> ] ] ] ]
```

## 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
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)

<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_ <i>advertisedto</i>	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_ <i>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>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_ <i>path</i>	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)

<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)

<i>attr_value</i>	(Optional)
-------------------	------------

**Command Mode**

- /exec

# show bgp neighbors commands

```

show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | l2vpn evpn } neighbors {
<neighbor-id> | <ipv6-neighbor-id> } commands [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ [ { TABLE_sesscmd <sessioncmd> <sessioncmdstatus>
[ <sessioncmdtemplate> } ] ] [ TABLE_af <af-afi> TABLE_saf <af-safi> <af-name> [ { TABLE_polcmd
<policycmd> <policycmdstatus> [ <policycmdtemplate> } ] ] ] ] ]

```

### 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>neighbor-id</i>	Display one particular BGP neighbor
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
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
neighbors	Display all configured BGP neighbors
commands	Display details on commands
<i>__readonly__</i>	(Optional)
<i>TABLE_sesscmd</i>	(Optional)
<i>sessioncmd</i>	(Optional)
<i>sessioncmdstatus</i>	(Optional)
<i>sessioncmdtemplate</i>	(Optional)



TABLE_af	(Optional)
<i>af-afi</i>	(Optional)
TABLE_saf	(Optional)
<i>af-safi</i>	(Optional)
<i>af-name</i>	(Optional)
TABLE_polcmd	(Optional)
<i>polycmd</i>	(Optional)
<i>polycmdstatus</i>	(Optional)
<i>polycmdtemplate</i>	(Optional)

**Command Mode**

- /exec



<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</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 } ] } { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4
labeled-unicast | link-state | l2vpn evpn } 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

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
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
link-state	Display BGP information for link-state 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
__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)
TABLE_id	(Optional)
<i>id</i>	(Optional)
<i>hashvalue</i>	(Optional)
<i>refcount</i>	(Optional)
<i>metric</i>	(Optional)
<i>aspath</i>	(Optional)

**Command Mode**

- /exec

## show bgp path-attribute discard

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv4 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 | ipv6 { unicast |
multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast
| ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] ] path-attribute { discard | unknown
} [ 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> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [
<locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type>
<statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn>
<hold_down> } | { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] } } } | [ <policyincomplete>
<pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit>
<pathmultipath> <pathnolabeledrn> <pathlocator> ] [ <importsource> [ <originalimportsource> ] ] [
<importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { 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_sub_type> <psid_v6sid> <psid_func_len> <psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len>
<psid_origsrgrb_flag> <psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmisi> ] [ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [
<tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [ TABLE_path_attr_list <path_attr_list> [ TABLE_attr
<attr_num> <attr_code_str> <attr_code_hex> <attr_flags> <attr_len> [ TABLE_attr_val <attr_value> ] ] ]
} } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]
```

### Syntax 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
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
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
path-attribute	path attribute on a route
discard	discard the path attribute
unknown	unknown path attribute
__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)
<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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)

<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)

<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec

# show bgp paths

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

## Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
paths	Display Path information
__readonly__	(Optional)
TABLE_id	(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>
| <interface-parent> } ] [ <description> ] [ <sourceif> ] [ <connectedcheck> ] [ <lowmemexempt> ] [ <bfd>
] [ <bfdsessiontype> ] [ <bfdmintxinterval> ] [ <bfdminrxinterval> ] [ <bfdmultiplier> ] [
<bfdauthenticationtype> ] [ <ttlsecurity> ] [ <ttllimit> ] [ <dscp> ] [ <password> ] [ <passiveonly> ]
<localas-inactive> [ <remove-privateas> ] [ <gshut-activate> ] [ <gshut-map> ] [ <configholdtime>
<configkeepalivetime> ] [ TABLE_peraf <per-afi> TABLE_persaf <per-safi> <per-af-name> [ <tableversion>
] [ <neighbortableversion> ] [ <pfxrecvd> ] [ <pathsrecvd> ] [ <pfxbytes> ] [ <pfxtreataswithdrawn> ] [
<pfxsent> ] [ <pathssent> ] [ <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> [
<defaultoriginatormap> ] [ <defaultsent> ] [ <grpathssaved> ] [ <firsteorrecvd> ] [ <firsteortime> ] [
<pathsflushed> ] [ <lasteorrecvtime> ] [ <lasteorsenttime> ] [ <firstconvgtime> ] [ <pfxsentfirsteor> ] [
<unsuppress-map> ] [ { TABLE_policy_template <preference> <inherit-policy-template> } ] [ TABLE_vrf
<vrf-name> [ TABLE_inheritingpeer <inheritingpeer> [ <interface-parent> ] ] ] }
```

### 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)
TABLE_neighbor	(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>interface-parent</i>	(Optional)
<i>description</i>	(Optional)
<i>sourceif</i>	(Optional)

<i>connectedcheck</i>	(Optional)
<i>lowmemexempt</i>	(Optional)
<i>bfd</i>	(Optional)
<i>bfdsessiontype</i>	(Optional)
<i>bfdmintxinterval</i>	(Optional)
<i>bfdminrxinterval</i>	(Optional)
<i>bfdmultiplier</i>	(Optional)
<i>bfdauthenticationtype</i>	(Optional)
<i>ttlsecurity</i>	(Optional)
<i>tllimit</i>	(Optional)
<i>dscp</i>	(Optional)
<i>passiveonly</i>	(Optional)
<i>password</i>	(Optional)
<i>localas-inactive</i>	(Optional)
<i>remove-privateas</i>	(Optional)
<i>gshut-activate</i>	(Optional)
<i>gshut-map</i>	(Optional)
<i>configholdtime</i>	(Optional)
<i>configkeepalivetime</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_inheritingpeer	(Optional)
<i>inheritingpeer</i>	(Optional)
<i>interface-parent</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>pfxrcvd</i>	(Optional)
<i>pathsrcvd</i>	(Optional)
<i>pfxbytes</i>	(Optional)
<i>pfxtreataswithdrawn</i>	(Optional)
<i>pfxsent</i>	(Optional)
<i>pathsstent</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)
TABLE_inpolicy	(Optional)
<i>inpolicynr</i>	(Optional)
<i>inpolicytype</i>	(Optional)
<i>inpolicyname</i>	(Optional)
<i>inpolicyhandle</i>	(Optional)
TABLE_outpolicy	(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>grpathsaved</i>	(Optional)
<i>firsteorrecvd</i>	(Optional)
<i>firsteortime</i>	(Optional)
<i>pathsflushed</i>	(Optional)
<i>lasteorrecvtime</i>	(Optional)
<i>lasteorsenttime</i>	(Optional)
<i>firstconvgttime</i>	(Optional)
<i>pxsentfirsteor</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)

**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> ] [ <dscp> ] [ <routemapin>
  ] [ <routemapout> ] [ <filterlistin> ] [ <filterlistout> ] [ <prefixlistin> ] [ <prefixlistout> ] [ <maxprefixlimit>
  ] [ <defaultorigin> ] } ] [ { TABLE_vrf <vrf-name> { TABLE_peer <inheritingpeer> [ <interface-parent>
  } } ] }
```

## 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>dscp</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)
<i>interface-parent</i>	(Optional)

**Command Mode**

- /exec



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

<i>locked</i>	(Optional)
<i>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)



<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec

## show bgp private attr

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

### Syntax Description

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

### Command Mode

- /exec

# show bgp private debug history

show bgp private debug history { all | ead-es | es | mac | cloudsec }

## Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
debug	Debug
history	history
all	all
ead-es	ead-es
es	es
mac	mac
cloudsec	cloudsec

## 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> [ <clibrarydone> <cliasciidone> ] <isolatemode>
<gshut-aware> <gshut-activate> [ <gshut-map> ] <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-evpn-mpls> ] [ <vrf-vni-id> ] [ <vrf-vni-id-valid> ] [ <vrf-topo-id> ] [
<vrf-encap-type> ] [ <vrf-vtep-ip> ] [ <vrf-vtep-virtual-ip> ] [ <vrf-vtep-vipr> ] [ <vrf-router-mac> ] [
<vrf-vip-router-mac> ] [ <vrf-vipr-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-configured> ] [ <vrf-rd> ] [
<vrf-secondary-rd-configured> ] [ <vrf-secondary-rd> ] [ <vrf-pending-rd> ] [ <vrf-pending-secondary-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> }
] <wait-igp-convergence> [ { 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> ] [ TABLE_mvpn_export_rt <mvpn-export-rt> ] [ TABLE_mvpn_import_rt <mvpn-import-rt>
] [ <af-label-mode> ] [ <af-aggregate-label> ] [ <af-alloc-index> ] [ <srv6-sid-locator-name> ] [
<srv6-sid-locator-id> ] [ <srv6-sid-locator-prefix> ] [ <srv6-sid-src-enc-address> ] [ <srv6-vrf-sid-alloc> ] [
<srv6-vrf-dt46-sid> ] [ <srv6-vrf-dt-sid-alloc-pending> ] [ <srv6-vrf-dt-sid-del-pending> ] [
<srv6-vrf-sid-alloc-pending-reason> ] [ <srv6-tbl-sid-alloc> ] [ <srv6-tbl-dt-type> ] [ <srv6-tbl-dt-sid> ] [
<srv6-tbl-dt-sid-alloc-pending> ] [ <srv6-tbl-dt-sid-del-pending> ] [ <srv6-tbl-dt-sid-alloc-pending-reason>
] [ <srv6-alloc-mode> ] [ <importdefault_prefixlimit> <importdefault_prefixcount> <importdefault_map>
<importdefault_advertisevpn> ] <import_vrf_advertisevpn> [ <exportdefault_prefixlimit>
<exportdefault_prefixcount> <exportdefault_map> <exportdefault_allowvpn> ] <export_vrf_allowvpn>
<af-rr> <default-information-enabled> [ <default-information-rd> <default-information-rt> ]
<nexthop-trigger-delay-critical> <nexthop-trigger-delay-non-critical> [ <nexthop-route-map> ] } ]
```

### Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
process	BGP global information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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>clibinarydone</i>	(Optional)
<i>cliasciidone</i>	(Optional)
<i>isolatemode</i>	(Optional)
<i>gshut-aware</i>	(Optional)
<i>gshut-activate</i>	(Optional)
<i>gshut-map</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-evpn-mpls</i>	(Optional) VRF EVPN L3 MPLS
<i>vrf-vni-id</i>	(Optional) VRF VNI ID
<i>vrf-vni-id-valid</i>	(Optional) VRF VNI ID validity
<i>vrf-topo-id</i>	(Optional) VRF Topo ID
<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-vtep-vipr</i>	(Optional) VRF VTEP Virtual IP for Re-origination
<i>vrf-router-mac</i>	(Optional) VRF Router MAC
<i>vrf-vip-router-mac</i>	(Optional) VRF VIP Router MAC
<i>vrf-vipr-router-mac</i>	(Optional) VRF VIPR 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-configured</i>	(Optional) VRF RD Configured
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-secondary-rd-configured</i>	(Optional) VRF Secondary RD Configured
<i>vrf-secondary-rd</i>	(Optional) VRF Secondary RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
<i>vrf-pending-secondary-rd</i>	(Optional) VRF pending secondary 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
<i>wait-igp-convergence</i>	(Optional)
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
TABLE_mvpn_export_rt	(Optional)
<i>mvpn-export-rt</i>	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
<i>mvpn-import-rt</i>	(Optional) Import MVPN route-target
<i>af-label-mode</i>	(Optional) Label allocation mode
<i>af-aggregate-label</i>	(Optional) Aggregate Label
<i>af-alloc-index</i>	(Optional) Allocate-Index
<i>srv6-alloc-mode</i>	(Optional) Srv6 sid allocation mode
<i>srv6-sid-locator-name</i>	(Optional) SRv6 SID Locator Name
<i>srv6-sid-locator-id</i>	(Optional) SRv6 SID Locator ID
<i>srv6-sid-src-enc-address</i>	(Optional) SRv6 Source Encap Address
<i>srv6-vrf-sid-alloc</i>	(Optional) SRv6 VRF SID Allocation Mode
<i>srv6-vrf-dt-sid-alloc-pending</i>	(Optional) Is SRv6 DT46 SID Allocation: Pending
<i>srv6-vrf-dt-sid-del-pending</i>	(Optional) Is SRv6 DT46 SID Deletion: Pending
<i>srv6-vrf-sid-alloc-pending-reason</i>	(Optional) SRv6 SID Allocation pending reason:
<i>srv6-tbl-sid-alloc</i>	(Optional) SRv6 table ctx SID allocation mode
<i>srv6-tbl-dt-type</i>	(Optional) SRv6 DT type
<i>srv6-tbl-dt-sid</i>	(Optional) SRv6 table per VRF SID :
<i>srv6-tbl-dt-sid-alloc-pending</i>	(Optional) SRv6 SID Allocation: Pending
<i>srv6-tbl-dt-sid-del-pending</i>	(Optional) SRv6 SID Deletion: Pending
<i>srv6-tbl-dt-sid-alloc-pending-reason</i>	(Optional) SRV6 SID Allocation Pending Reason
<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>importdefault_advertisevpn</i>	(Optional) Advertise-vpn is enabled
<i>import_vrf_advertisevpn</i>	(Optional) Advertise-vpn is enabled
<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>exportdefault_allowvpn</i>	(Optional) Allow-vpn is enabled
<i>export_vrf_allowvpn</i>	(Optional) Allow-vpn is enabled
<i>af-rr</i>	(Optional) Is a Route-reflector
<i>default-information-enabled</i>	(Optional) Default-information originate is enabled
<i>default-information-rd</i>	(Optional) Default-information originate RD
<i>default-information-rt</i>	(Optional) Default-information originate RT
<i>nexthop-trigger-delay-critical</i>	(Optional)
<i>nexthop-trigger-delay-non-critical</i>	(Optional)
<i>nexthop-route-map</i>	(Optional)

### Command Mode

- /exec

## show bgp received-paths

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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 } received-paths
[ private ] [ 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> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> <statuscode> <bestcode> <typecode> { { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel>
<vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] } } } | { [
<policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled> <pathhistory>
<pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator> ] [ <importsource> [
<originalimportsource> ] ] [ <importdestscount> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [
<gwip> | <ipv6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor>
| <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
<atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { TABLE_community <community> } ] [ {
TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappeny> <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_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origrsrgb_len> <psid_origrsrgb_flag> <psid_origrsrgb_base>
<psid_origrsrgb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] } } [ TABLE_advertisedto <advertisedto> ] [
TABLE_scheduledto <scheduledto> ] ] ] ]
```

### 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
received-paths	Display paths stored for soft-reconfig
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
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
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
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)

<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)

<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)

<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec



## show bgp regexp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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> ] [ <table-map-filtered>
] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [
<mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> {
<ipnexthop> | <ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath>
<origin> [ <metric> ] [ <localpref> ] } } } | [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn>
<pathlocator> ] [ <importsources> [ <originalimportsources> ] ] [ <importdestscount> ] [ TABLE_importdests
<importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop>
} <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight>
[ <aggregator> <aggregators> <atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { 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_sub_type> <psid_v6sid>
<psid_func_len> <psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag>
<psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid>
<remotenh_mac> ] [ <pmsi> ] [ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len>
] [ <mdt_grp_addr> ] [ TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str>
<attr_code_hex> <attr_flags> <attr_len> [ TABLE_attr_val <attr_value> ] ] ] } } ] [ TABLE_advertisedto
<advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ] ]
```

### 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
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

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

<i>locked</i>	(Optional)
<i>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)

<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)

**Command Mode**

- /exec

## show bgp segment-routing srv6

```
show bgp segment-routing srv6 [ __readonly__ [ <locator-name> <locator-id> <locator-prefix> ] [ TABLE_vrf
<vrf-name-out> [ <vrf-srv6-sid> ] [ TABLE_af <af-name> <af-dt> <table-srv6-sid> ] ] ]
```

### Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
segment-routing	Display segment-routing information
srv6	Display segment-routing srv6 information
__readonly__	(Optional)
<i>locator-name</i>	(Optional)
<i>locator-id</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_af	(Optional)
<i>af-name</i>	(Optional)
<i>af-dt</i>	(Optional)

### Command Mode

- /exec





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>table-map-filtered</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>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</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>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</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>pathreoriginated</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>pathlocator</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</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>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-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_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)

<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</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)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</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> <connectionsdropped> [ <interface-parent> ] <remoteras> [
<lastflap> ] [ <lastread> ] [ <lastwrite> ] <state> <localport> <remoteport> <notificationssent>
<notificationreceived> ] ]
```

## 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>connectionsdropped</i>	(Optional)
<i>remoteras</i>	(Optional)
<i>interface-parent</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

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





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
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional) VRF name
vrf-id	(Optional) VRF ID
vrf-state	(Optional) VRF State
vrf-state-rsn	(Optional) VRF State Reason
vrf-delete-pending	(Optional) VRF delete pending
vrf-evpn-mpls	(Optional) VRF EVPN L3 MPLS
vrf-vni-id	(Optional) VRF VNI ID
vrf-vni-id-valid	(Optional) VRF VNI ID validity
vrf-topo-id	(Optional) VRF Topo ID
vrf-encap-type	(Optional) VRF encapsulation type
vrf-vtep-ip	(Optional) VRF VTEP IP
vrf-vtep-virtual-ip	(Optional) VRF VTEP Virtual IP
vrf-vtep-vipr	(Optional) VRF VTEP Virtual IP for Re-origination
vrf-router-mac	(Optional) VRF Router MAC
vrf-vip-router-mac	(Optional) VRF VIP Router MAC
vrf-vipr-router-mac	(Optional) VRF VIPR Router MAC
vrf-router-id	(Optional) Router ID
vrf-cfgd-id	(Optional) Configured Router-ID
vrf-local-as	(Optional) Local AS
vrf-confed-id	(Optional) Cluster-ID
vrf-cluster-id	(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-configured</i>	(Optional) VRF RD Configured
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-secondary-rd-configured</i>	(Optional) VRF Secondary RD Configured
<i>vrf-secondary-rd</i>	(Optional) VRF Secondary RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
<i>vrf-pending-secondary-rd</i>	(Optional) VRF pending secondary 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)
<i>interface-parent</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-evpn-mpls</i>	(Optional) VRF EVPN L3 MPLS
<i>vrf-vni-id</i>	(Optional) VRF VNI ID
<i>vrf-vni-id-valid</i>	(Optional) VRF VNI ID validity
<i>vrf-topo-id</i>	(Optional) VRF Topo ID
<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-vtep-vipr</i>	(Optional) VRF VTEP Virtual IP for Re-origination
<i>vrf-router-mac</i>	(Optional) VRF Router MAC
<i>vrf-vip-router-mac</i>	(Optional) VRF VIP Router MAC
<i>vrf-vipr-router-mac</i>	(Optional) VRF VIPR 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-configured</i>	(Optional) VRF RD Configured
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-secondary-rd-configured</i>	(Optional) VRF Secondary RD Configured
<i>vrf-secondary-rd</i>	(Optional) VRF Secondary RD

<i>vrf-pending-rd</i>	(Optional) VRF pending RD
<i>vrf-pending-secondary-rd</i>	(Optional) VRF pending secondary 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>neighbors</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)
<i>interface-parent</i>	(Optional)

**Command Mode**

- /exec

# show boot

```
show boot [ __readonly__ { [ TABLE_bootvar_show <Str1> ] [ TABLE_Current_Bootvar
<current_sup_module> <current_image> [ <current_sup_module> ] [ <current_image> ] <current_poap_status>
+ [ <current_exclude_cfg> ] ] [ TABLE_Startup_Bootvar <start_sup_module> <start_image> [
<start_sup_module> ] [ <start_image> ] <start_poap_status> + [ <configured_exclude_cfg> ] ] } ]
```

## Syntax Description

show	Show running system information
boot	Show Bootvar Variables
__readonly__	(Optional)
TABLE_bootvar_show	(Optional) Bootvar table
TABLE_Current_Bootvar	(Optional) Table for current boot variables
TABLE_Startup_Bootvar	(Optional) Table for boot variables on next reload
<i>Str1</i>	(Optional)
<i>current_sup_module</i>	(Optional) Current boot variable supervisor module
<i>current_image</i>	(Optional) Current image set for boot variable
<i>current_poap_status</i>	(Optional) Current status for poap
<i>current_exclude_cfg</i>	(Optional) current value of exclude_cfg
<i>start_sup_module</i>	(Optional) Next reload supervisor module
<i>start_image</i>	(Optional) Next reload boot variable
<i>start_poap_status</i>	(Optional) Next reload poap status
<i>configured_exclude_cfg</i>	(Optional) configured value of exclude_cfg in running config

## Command Mode

- /exec

## show boot auto-copy

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

### Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autocopy is turned on
__readonly__	(Optional)
TABLE_auto_copy	(Optional) Auto copy table
<i>Str1</i>	(Optional)
<i>status</i>	(Optional) status of auto copy is enable/disable

### Command Mode

- /exec

# show boot auto-copy list

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

## 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)
<i>file</i>	(Optional) file in the auto copy list

## Command Mode

- /exec

# show boot current

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

## 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
TABLE_current_bootvar	(Optional) Current booted image table
<i>Str1</i>	(Optional)
<i>current_sup_module</i>	(Optional) Current boot variable supervisor module
<i>current_image</i>	(Optional) Current image set for boot variable

## Command Mode

- /exec

# show boot mode

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

## 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)
<i>current_boot_mode</i>	(Optional) current running boot mode
<i>configured_boot_mode</i>	(Optional) configured boot mode in running config

## Command Mode

- /exec

# show boot order

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

## Syntax Description

show	Show running system information
boot	Show Bootvar Variables
order	Show Boot Order
__readonly__	(Optional)
TABLE_bootvar_order	(Optional) Boot order table
TABLE_boot_order	(Optional) Current boot order table
<i>Str1</i>	(Optional)
<i>current_order</i>	(Optional) order of the boot location
<i>next_order</i>	(Optional) order of the boot location

## Command Mode

- /exec

# show boot timings

show [ system internal ] boot timings [ detail ]

## Syntax Description

show	Show running system information
system	(Optional) System-Related show commands
internal	(Optional) Commands for internal use
boot	show boot information
timings	show boot timings
detail	(Optional) show detailed time statistics

## Command Mode

- /exec



# show boot variables

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

## 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)
<i>boot_variable</i>	(Optional) available boot variable

## Command Mode

- /exec

# show buffer-drop detail

```
show buffer-drop detail [ __readonly__ <system-monitor-name> <monitor-name> <collector-name>
<v4-acl-name> <v6-acl-name> <queue-id> <sampler-prob-rate> <sampler-mb-rate> <sampler-mb-pkts> ]
```

## Syntax Description

show	Show running system information
buffer-drop	Show Buffer Drop information
detail	Show Session Configuration
<i>__readonly__</i>	(Optional) Read only
<i>system-monitor-name</i>	(Optional) system monitor name
<i>monitor-name</i>	(Optional) monitor name
<i>collector-name</i>	(Optional) collector name
<i>v4-acl-name</i>	(Optional) v4 acl name
<i>v6-acl-name</i>	(Optional) v6 acl name
<i>queue-id</i>	(Optional) queue id
<i>sampler-prob-rate</i>	(Optional) sampler probabilistic rate
<i>sampler-mb-rate</i>	(Optional) sampler mb rate
<i>sampler-mb-pkts</i>	(Optional) sampler mb max pkts

## Command Mode

- /exec

## show buffer-latency detail

```
show buffer-latency detail [ __readonly__ <system-monitor-name> <monitor-name> <collector-name>
<record-name> <v4-acl-name> <v6-acl-name> <queue-id> <interface> <latency-threshold>
<sampler-prob-rate> <sampler-mb-rate> <sampler-mb-pkts> ]
```

### Syntax Description

show	Show running system information
buffer-latency	Show Buffer Drop information
detail	Show Session Configuration
<i>__readonly__</i>	(Optional) Read only
<i>system-monitor-name</i>	(Optional) system monitor name
<i>monitor-name</i>	(Optional) monitor name
<i>collector-name</i>	(Optional) collector name
<i>record-name</i>	(Optional) record name
<i>v4-acl-name</i>	(Optional) v4 acl name
<i>v6-acl-name</i>	(Optional) v6 acl name
<i>queue-id</i>	(Optional) queue id
<i>interface</i>	(Optional) interface
<i>latency-threshold</i>	(Optional) latency threshold
<i>sampler-prob-rate</i>	(Optional) sampler probabilistic rate
<i>sampler-mb-rate</i>	(Optional) sampler mb rate
<i>sampler-mb-pkts</i>	(Optional) sampler mb max pkts

### Command Mode

- /exec

show buffer-latency detail