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
pid	(Optional) Process ID of the job
user_name	(Optional) User name of the process
terminal	(Optional) Termianl where job is running
start	(Optional) Start time of job
time	(Optional) Time
script	(Optional) Script name
args	(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
b_msg	(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
b_msg	(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
__readonly__	(Optional)
operation_status	(Optional) Bash shell status
o_status	(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
__readonly__	(Optional)
header	(Optional) print header
TABLE_bfdClients	(Optional) BFD Client table
client_name	(Optional) client name
num_sess	(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
ip_type	(Optional) ipv4 or ipv6
neighbors	neighbors
multihop	(Optional) Display Multihop sessions only
module	(Optional) module
module	(Optional) module number
interface	(Optional) interface
intf_id	(Optional) show bfd sessions based on interface id
application	(Optional) application
bfd_cli_client_names	(Optional) __nil__ Clients need to register with bfd for this list
src-ip	(Optional) Source ip
src-ipv6	(Optional) Source ip
src_ip	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest-ipv6	(Optional) Destination ip
dest_ip	(Optional) Destination ip value
vrf	(Optional) Display per-VRF information

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

rx_avg	(Optional) Rx Interval Avg
rx_min	(Optional) Rx Interval Min
rx_max	(Optional) Rx Interval Max
last_rx	(Optional) Last Rx time
tx_count	(Optional) Tx Count
tx_avg	(Optional) Tx Interval Avg
tx_min	(Optional) Tx Interval Min
tx_max	(Optional) Tx Interval Max
last_tx	(Optional) Last Tx time
app	(Optional) App name
up_time	(Optional) Up time
up_count	(Optional) Up Count
down_count	(Optional) Down Count
version	(Optional) Version in Last Packet
diag	(Optional) diag in Last Packet
state_bit	(Optional) State Bit in Last Packet
demand_bit	(Optional) Demand Bit in Last Packet
poll_bit	(Optional) Poll Bit in Last Packet
final_bit	(Optional) Final Bit in Last Packet
multiplier	(Optional) Detection Multiplier in Last Packet
length	(Optional) Length in Last Packet
my_disc	(Optional) My Discriminator in Last Packet
your_disc	(Optional) Your Discriminator in Last Packet
min_tx_interval	(Optional) Min Tx Interval in Last Packet
req_min_rx	(Optional) Required Rx Interval in Last Packet
min_echo_interval	(Optional) Min Echo Interval in Last Packet
out_str	(Optional) No Host LC string
parent	(Optional) Parent Session
per_link_str	(Optional) Per Link string

host_lc	(Optional) Host LC
down_reason	(Optional) Session Down Reason
no_host_reason	(Optional) Not Hosted Reason
auth	(Optional) Authentication Mode
auth_bit	(Optional) Auth Bit in Last Packet
print_details	(Optional) print details

Command Mode

- /exec

show 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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ip-prefix	(Optional) Display flap statistics for one prefix
ip-addr	(Optional) Display flap statistics for one network
ip-mask	(Optional) Network mask
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)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)

af-name	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
status	(Optional)
best	(Optional)
pathtype	(Optional)
peer	(Optional)
flapcount	(Optional)
duration	(Optional)
reuse	(Optional)
penalty	(Optional)
suppresslimit	(Optional)
reuselimit	(Optional)

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } policy statistics { { redistribute [{ { eigrp | isis | ospf | rip } <tag> } | static | direct | amt | lisp | hmm | am] } | { neighbor <neighbor-id> [default-originate | { route-map | filter-list | prefix-list } { in | out }] } | { dampening } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } | { aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | vpnv4 unicast policy statistics { neighbor <neighbor-id> [{ route-map | filter-list | prefix-list } { in | out }] } | ipv6 { unicast | multicast } policy statistics { { redistribute [{ { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp | hmm | am] } | { neighbor { <neighbor-id> | <ipv6-neighbor-id> } [default-originate | { route-map | filter-list | prefix-list } { in | out }] } | { dampening } | { network <ipv6-prefix> } | { aggregate-address <ipv6-prefix> { suppress-map | advertise-map } } } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-polstats> [<rpm-handle-count>] [{ TABLE_rmap <name> <action> <seqnum> [{ TABLE_cmd <command> <comparecount> <matchcount> }] [<totalacceptcount>] [<totalrejectcount>] }]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
policy	Display policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First
ospfv3	(Optional) Open Shortest Path First v3
rip	(Optional) Routing Information Protocol
eigrp	(Optional) Enhanced Interior Gateway Protocol

static	(Optional) Static routes
direct	(Optional) Directly connected
amt	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)
tag	(Optional) Source protocol tag
neighbor	Show neighbor specific counters
neighbor-id	Neighbor IPv4 address
route-map	(Optional) Neighbor route-map
prefix-list	(Optional) Neighbor prefix-list
filter-list	(Optional) Neighbor filter-list
out	(Optional) Outbound policy
in	(Optional) Inbound policy
default-originate	(Optional) Default-originate policy
dampening	Show dampening info
network	Configured IP prefix to advertise
mask	Configured mask of the IP prefix advertised
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
ip-addr	IP network advertised
ip-mask	Dotted 4-octet mask
ip-prefix	IP prefix in CIDR format
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-polstats	(Optional)
rpm-handle-count	(Optional)
TABLE_rmap	(Optional)

name	(Optional)
action	(Optional)
seqnum	(Optional)
TABLE_cmd	(Optional)
command	(Optional)
comparecount	(Optional)
matchcount	(Optional)
totalacceptcount	(Optional)
totalrejectcount	(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] | { <v4src-addr> [<v4grp-addr>] | <v4grp-addr> [<v4src-addr>] } [route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 }] [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] | { <v6src-addr> [<v6grp-addr>] | <v6grp-addr> [<v6src-addr>] } [route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 }] [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> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh> <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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip-addr	(Optional) Display one particular network from the BRIB in detail
ip-mask	(Optional) Mask for one particular prefix in the BRIB
ip-prefix	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
labels	(Optional) Display BGP labels for prefixes
exported	(Optional) Display only exported prefixes
imported	(Optional) Display only imported prefixes
injected-routes	(Optional) Display only injected prefixes
mdt-group	(Optional) Display prefixes with MDT group address
mdt-group	(Optional) MDT group address
rd	(Optional) Display information for a route distinguisher
ve-id	(Optional) VPLS VE ID
ve-id	(Optional) VPLS VE ID
route-type	(Optional) EVPN Route Type number
rtype	(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

vni_id	(Optional) EVPN VNI ID number
rt-type	(Optional) Link-State route-type
es	(Optional) Ethernet Segment
es-id	(Optional) ESID
etid	(Optional) Ethernet Tag-ID for L2VPN EVPN route
et	(Optional) Ethernet Tag-ID
ipv4-evpn-rt	(Optional) EVPN IPv4 address
ipv4-ls-rt	(Optional) Link-State NLRI with descriptor including IPv4 address
mac-address	(Optional) MAC address
block-offset	(Optional) VPLS VE Block offset
ve-bs	(Optional) VPLS VE Block offset
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
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
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
join	(Optional) Display Multicast Join route
detail	(Optional) Display detailed path info for routes

sa	(Optional) Display Multicast Source Active AD route
sa-ad	(Optional) Display Multicast Source Active AD route
i-pmsi	(Optional) Display Multicast Intra-AS I-PMSI route
rp	(Optional) Display Multicast Group to RP route
v4src-addr	(Optional) Source IP Address
src-asn	(Optional) Source ASN
v4grp-addr	(Optional) Group IP Address
grp-v4prefix	(Optional) Group IP prefix
pe-addr	(Optional) PE IP Address
rp-flags	(Optional) Flags
rp-priority	(Optional) RP Priority
hashlen	(Optional) Hash mask length
1	(Optional) vrf
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)

nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)

neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)

inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)

TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)

attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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 { <extcommlist-name> | <test_pol_name> } } [exact-match] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<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>] [<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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
route-map	Display routes matching the route-map
rmap-name	Route-map name

rmap-name	Known route-map name
filter-list	Display routes matching the filter-list
fltrlist-name	Name of filter-list
community-list	Display routes matching the community-list
commlist-name	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
extcommlist-name	Name of extcommunity-list
test_pol_name	An existing test-list policy
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
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
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)
vrf-name-out	(Optional)

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

export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)

pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)

con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)

psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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> }] | 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 } nexthop <ipnexthop> | { 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> }] } nexthop <ipv6nexthop> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<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>] [<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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [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
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

nexthop	Display routes matching the nexthop
ipnexthop	Nexthop address
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)

TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)

ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)

aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)

extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)

attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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_nhvrf <nhvrf-name-out> TABLE_nhafi <nhafi> TABLE_nhsafi <nhsafi> <af-name> <nhcriticaldelay> <nhnoncriticaldelay> [{ 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
vrf-name	(Optional) VRF name
vrf-known-name	(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

ipnexthop	(Optional) Nexthop address
__readonly__	(Optional)
TABLE_nhvrf	(Optional)
nhvrf-name-out	(Optional)
TABLE_nhafi	(Optional)
nhafi	(Optional)
TABLE_nhsafi	(Optional)
nhsafi	(Optional)
af-name	(Optional)
nhcriticaldelay	(Optional)
nhnoncriticaldelay	(Optional)
TABLE_nexthop	(Optional)
ipnexthop-out	(Optional)
refcount	(Optional)
igpmetric	(Optional)
multipath	(Optional)
igptype	(Optional)
igppref	(Optional)
TABLE_attachedhops	(Optional)
attachedhop	(Optional)
interface	(Optional)
TABLE_labels	(Optional)
index	(Optional)
label	(Optional)
attached	(Optional)
local	(Optional)
reachable	(Optional)
labeled	(Optional)
filtered	(Optional)

suppressed	(Optional)
resolvetime	(Optional)
pendingupdate	(Optional)
pendingtime	(Optional)
ribroute	(Optional)
nextadvertise	(Optional)
rnhepoch	(Optional)
pendingrnhepoch	(Optional)

Command Mode

- /exec

show bgp bmp server

show bgp bmp server [<server-id>] [detail] [__readonly__ { system_name <sys_name> } { system_description <sys_description> } [{ TABLE_servers <server_id> <server_addr> <port> <admin_state> <oper_state> [<description>] <vrf> [<update_src>] <initial_delay> <refresh_interval> <stats_interval> [{ <initiation> <termination> <peer_up> <peer_down> <route_monitor> <route_mirror> <stats> <messages_dropped> }] [<monitored_peers>] [{ TABLE_peer <peer_addr> [{ <refresh_interval> <peer_up> <peer_down> <route_monitor> <route_mirror> <stats> <messages_dropped> }] [<prefixes_denied> <dup_pfx_advmnt> <pfx_dup_wdr_count> <cluster_list_loops> <as_path_loops> <as_confed_loops> <invalid_originator> <adj_rib_in> <loc-rib>] }] }]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
bmp	Display BMP state
server	Display BMP server information
server-id	(Optional) Display server specific information
detail	(Optional) Display detailed information
__readonly__	(Optional)
system_name	(Optional) bmp-server global information
sys_name	(Optional) system name
system_description	(Optional) bmp-server global information
sys_description	(Optional) system description
TABLE_servers	(Optional) all bmp servers
server_id	(Optional) server id number of bmp server
server_addr	(Optional) ip address of the bmp server
port	(Optional) port number of the bmp server
admin_state	(Optional) administrative status of bmp server
oper_state	(Optional) operational status of bmp server
description	(Optional) description for bmp server
vrf	(Optional) vrf context for bmp server
update_src	(Optional) updated source for bmp server
initial_delay	(Optional) initial delay for bmp server

refresh_interval	(Optional) refresh delay for bmp server
stats_interval	(Optional) frequency of stat updates
initiation	(Optional) number of initiation messages
termination	(Optional) number of termination messages
peer_up	(Optional) number of peer up messages
peer_down	(Optional) number of peer down messages
route_monitor	(Optional) number of route monitor messages
route_mirror	(Optional) number of route mirror messages
stats	(Optional) number of stats messages
messages_dropped	(Optional) number of dropped messages
monitored_peers	(Optional) number of monitored peers for the bmp server
TABLE_peer	(Optional) monitored peer for the bmp server
peer_addr	(Optional) ip address of the peer
refresh_interval	(Optional) refresh delay for the peer
peer_up	(Optional) number of peer up messages for the peer
peer_down	(Optional) number of peer down messages for the peer
route_monitor	(Optional) number of route monitor messages for the peer
route_mirror	(Optional) number of route mirror messages for the peer
stats	(Optional) number of stats messages for the peer
messages_dropped	(Optional) number of dropped messages for the peer
prefixes_denied	(Optional) prefixes denied for the peer
dup_pfx_advmnt	(Optional) dup pfx advmnt for the peer
pfx_dup_wdr_count	(Optional) pfx dup wdr count for the peer
cluster_list_loops	(Optional) cluster list loops for the peer
as_path_loops	(Optional) as path loops for the peer
as_confed_loops	(Optional) as confed loops for the peer
invalid_originator	(Optional) invalid originator for the peer
adj_rib_in	(Optional) adj-rib-in for the peer
loc-rib	(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> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } community { <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> <pathnolabeledrnh> <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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format

ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
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
regexp-str	Regular expression to match the communities
comm-id	BGP community value
wellknown-id	BGP wellknown community
exact-match	(Optional) Exact match of the communities
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)

router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)

status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)

pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)

link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)

TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(Optional)

Command Mode

- /exec

show bgp convergence

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] convergence [detail] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ <starttime> <configdonetime> <juststarted> [<initwaittime>] [<ldpconverged>] [<ulibconvergencesent>] [TABLE_vrf <vrf-name-out> <bestpathtimeout> <configuredtimeout> <updatedelay> [<firstpeerup>] <timerrunning> [<timerexpires>] [TABLE_afi <afi> TABLE_safi <safi> <af-name> <total_configured_peers> <total_capable_peers> <firstbestpathsignalled> [<firstbestpathsignalledtime>] <firstbestpathdone> [<firstbestpathdonetime> [<lastbestpathsignalledtime> <lastbestpathdonetime>]] [<riblibconvergencesent>] [<importtimerrunning>] [<importtimerexpires>] [{ TABLE_rcvdpeers [<peer>] [<ipv6peer>] [<signalledtimepeer>] [<interface-parent>] }] [{ TABLE_notrcvdpeers [<notpeer>] [<notipv6peer>] [<nokeepalive>] [<notsignalledtime>] }]]]]

Syntax Description

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

updatedelay	(Optional)
firstpeerup	(Optional)
timerrunning	(Optional)
timerexpires	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
firstbestpathsignalled	(Optional)
firstbestpathsignalledtime	(Optional)
firstbestpathdone	(Optional)
firstbestpathdonetime	(Optional)
lastbestpathsignalledtime	(Optional)
lastbestpathdonetime	(Optional)
riblibconvergencesent	(Optional)
importtimerrunning	(Optional)
importtimerexpires	(Optional)
TABLE_rcvdpeers	(Optional)
peer	(Optional)
signalledtimepeer	(Optional)
interface-parent	(Optional)
TABLE_notrcvdpeers	(Optional)
notpeer	(Optional)
nokeepalive	(Optional)
notsignalledtime	(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> <pathnolabeledrnh> <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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampened-paths	Display all dampened paths
history-paths	Display all history paths

dampening	Display dampening info
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
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
regexp-str	(Optional) Regular expression to match the AS paths
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)

router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)

status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)

pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)

link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)

TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } dampening flap-statistics [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [TABLE_afi <afi> TABLE_safi <safi> <af-name> [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [<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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampening	Display dampening info
flap-statistics	Display flap statistics for routes
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
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)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
status	(Optional)
best	(Optional)
pathtype	(Optional)
peer	(Optional)
flapcount	(Optional)
duration	(Optional)

reuse	(Optional)
penalty	(Optional)
suppresslimit	(Optional)
reuselimit	(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> <rpmdampsuppress> <rpmdampreuse> <rpmdampsuppresstime> <rpmdampmaxpenalty>] [<dampconfigured> <damphalflife> <dampsuppress> <dampreuse> <dampsuppresstime> <dampmaxpenalty>]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
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)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional) VRF RD
rd_vniid	(Optional)
TABLE_rpm	(Optional)
rpmname	(Optional)
rpmindex	(Optional)
rpmdamphalflife	(Optional)
rpmdampsuppress	(Optional)
rpmdampreuse	(Optional)
rpmdampsuppresstime	(Optional)
rpmdampmaxpenalty	(Optional)
dampconfigured	(Optional)
damphalflife	(Optional)
dampsuppress	(Optional)
dampreuse	(Optional)

dampsuppresstime	(Optional)
dampmaxpenalty	(Optional)

Command Mode

- /exec

show bgp evi

show bgp evi [<evi-id>] [__readonly__ [TABLE_ctx <evid> <rd> [<secondaryrd>] <numlocalprefixes> <numtotalprefixes> <created> <lastoperup> <lastoperdown> <enabled> [<associatedvrf>] [TABLE_activeexportrts <exportrt>] [TABLE_activeimportrts <importrt>] [TABLE_evpnactiveexportrts <evpnexportrt>] [TABLE_evpnactiveimportrts <evpnimportrt>] [TABLE_mvpnactiveexportrts <mvpnexportrt>] [TABLE_mvpnactiveimportrts <mvpnimportrt>] [TABLE_activeexportrtsv6 <exportrtv6>] [TABLE_activeimportrtsv6 <importrtv6>] [TABLE_evpnactiveexportrtsv6 <evpnexportrtv6>] [TABLE_evpnactiveimportrtsv6 <evpnimportrtv6>] [TABLE_mvpnactiveexportrtsv6 <mvpnexportrtv6>] [TABLE_mvpnactiveimportrtsv6 <mvpnimportrtv6>]]]

Syntax Description

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

TABLE_mvpnactiveimportrts	(Optional)
TABLE_activeexportrtsv6	(Optional)
TABLE_activeimportrtsv6	(Optional)
TABLE_evpnactiveexportrtsv6	(Optional)
TABLE_evpnactiveimportrtsv6	(Optional)
TABLE_mvpnactiveexportrtsv6	(Optional)
TABLE_mvpnactiveimportrtsv6	(Optional)
importrt	(Optional)
exportrt	(Optional)
evpnimportrt	(Optional)
evpnexportrt	(Optional)
mvpnimportrt	(Optional)
mvpnexportrt	(Optional)
importrtv6	(Optional)
exportrtv6	(Optional)
evpnimportrtv6	(Optional)
evpnexportrtv6	(Optional)
mvpnimportrtv6	(Optional)
mvpnexportrtv6	(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 { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__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>] [<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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format

ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
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
regexp-str	Regular expression to match the extcommunities
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
ext-comm-gen-trans	Extcommunity number aa4:nn format
ext-comm-gen-nontrans	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)

safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)

TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)

pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)

mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)

psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional) Read Only
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-rd	(Optional) VRF RD
vrf-pending-rd	(Optional) VRF pending RD
TABLE_af	(Optional)
af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason

af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_export_rt	(Optional)
export-rt	(Optional) Export route-target
TABLE_import_rt	(Optional)
import-rt	(Optional) Import route-target
TABLE_evpn_export_rt	(Optional)
evpn-export-rt	(Optional) Export EVPN route-target
TABLE_evpn_import_rt	(Optional)
evpn-import-rt	(Optional) Import EVPN route-target
TABLE_mvpn_export_rt	(Optional)
mvpn-export-rt	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
mvpn-import-rt	(Optional) Import MVPN route-target
af-label-mode	(Optional) Label allocation mode
af-aggregate-label	(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 | 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> <pathnolabeledrnh> <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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family

labeled-unicast	Display BGP information for labeled-unicast address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
routes	Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
advertised-routes	Display all the routes advertised to this peer
received-routes	Display all the routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)

nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)

neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)

inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)

TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)

attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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 | 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> <internalvpnclient> <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>] [<lastupdrecd>] [<lastupdsent>] { { [<peerresettime>] <peerresetreason> <errlenrcvd> <errvalrcvd> <rstmajrcvd> <rstminrcvd> [<resettime>] <resetreason> <errlensnt> <errvalsnt> <rstmajsnt> <rstminsnt> } | { [<resettime>] <resetreason> <errlensnt> <errvalsnt> <rstmajsnt> <rstminsnt> [<peerresettime>] <peerresetreason> <errlenrcvd> <errvalrcvd> <rstmajrcvd> <rstminrcvd> } } [<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>] [<grrecvdrestarttime>] [[{ TABLE_addpathscapaf <addpathscap-afi> TABLE_addpathscapsaf <addpathscap-safi> <addpathscap-af-name> <addpathssendcap-adv> <addpathsrecvcap-adv> <addpathssendcap-recv> <addpathsrecvcap-recv> }] [<capaddpathsadvertised> <capaddpathsrecvd>]] [<capextendednhadvertised> <capextendednhrecvd>] [{ TABLE_capextendednhaf <capextendednh-afi> TABLE_capextendednhsaf <capextendednh-safi> <capextendednh-af-name> }]] } | { [<configholdtime> <configkeepalivetime>] } } [<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> <updatessent> <updatesrecvd> <keepalivesent> <keepaliverecvd> <rtrefreshsent> <rtrefreshrecvd> <capabilitiessent> <capabilitiesrecvd> <bytessent> <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> <inpolicyname> [<inpolicyhandle>] }] [{ TABLE_outpolicy <outpolicynr> <outpolicytype> <outpolicyname> [<outpolicyhandle>] }] <rrconfigured> <defaultoriginate> [<defaultoriginatermap>] [<defaultsent>] [<grpathssaved>] [<firsteorrecvd>] [<firsteortime>] [<pathsflushed>] [<lasteorrecvtime>

] [<lasteorsenttime>] [<firstconvgtime>] [<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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	(Optional) Display one particular BGP neighbor
neighbor-prefix-id	(Optional) Display details for a prefix peering
neighbor-interface	(Optional) Display details for BGP interface peering
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
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)
neighbor	(Optional)

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

remote-id	(Optional)
state	(Optional)
prevstate	(Optional)
internalvpnclient	(Optional)
up	(Optional)
elapsedtime	(Optional)
restarttime	(Optional)
peertype	(Optional)
sourceif	(Optional)
connectedif	(Optional)
connectedcheck	(Optional)
lowmemexempt	(Optional)
bfd	(Optional)
bfdsessiontype	(Optional)
bfdmintxinterval	(Optional)
bfdminrxinterval	(Optional)
bfdmultiplier	(Optional)
bfdauthenticationtype	(Optional)
ttlsecurity	(Optional)
ttllimit	(Optional)
dscp	(Optional)
localas-inactive	(Optional)
passiveonly	(Optional)
activepeers	(Optional)
closingpeers	(Optional)
maxconcurrentpeers	(Optional)
allocatedpeers	(Optional)
totalpeersaccepted	(Optional)
password	(Optional)

remove-privateas	(Optional)
gshut-activate	(Optional)
gshut-map	(Optional)
lastread	(Optional)
holdtime	(Optional)
keepalivetime	(Optional)
lastwrite	(Optional)
keepalive	(Optional)
msgrecvd	(Optional)
notificationsrcvd	(Optional)
recvbufbytesinq	(Optional)
msgsent	(Optional)
notificationssent	(Optional)
sentbytesoutstanding	(Optional)
sentbytespacked	(Optional)
enhancederr	(Optional)
discardattrs	(Optional)
connsestablished	(Optional)
connsdropped	(Optional)
connattempts	(Optional)
lastupdrecd	(Optional)
lastupdsent	(Optional)
peerresettime	(Optional)
peerresetreason	(Optional)
errlenrcvd	(Optional)
errvalrcvd	(Optional)
rstmajrcvd	(Optional)
rstminrcvd	(Optional)
errlensnt	(Optional)

errvalsnt	(Optional)
rstmajsnt	(Optional)
rstminsnt	(Optional)
resettime	(Optional)
resetreason	(Optional)
vrf	(Optional)
configholdtime	(Optional)
configkeepalivetime	(Optional)
grstate	(Optional)
grexpiry	(Optional)
firstkeepalive	(Optional)
epe	(Optional)
epe-adj-sids	(Optional)
epe-peer-rpc-set	(Optional)
epe-peer-sid	(Optional)
epe-peer-set-name	(Optional)
epe-peer-set-rpc-set	(Optional)
epe-peer-set-sid	(Optional)
TABLE_epe-adj	(Optional)
epe-adj-ip-local	(Optional)
epe-adj-ip-remote	(Optional)
epe-adj-ifindex	(Optional)
epe-adj-rpc-set	(Optional)
epe-adj-sid	(Optional)
openssent	(Optional)
opensrecvd	(Optional)
updatessent	(Optional)
updatesrecvd	(Optional)
keepalivesent	(Optional)

keepaliverecvd	(Optional)
rtrefreshsent	(Optional)
rtrefreshrecvd	(Optional)
capabilitiessent	(Optional)
capabilitiesrecvd	(Optional)
bytessent	(Optional)
bytesrecvd	(Optional)
threadid	(Optional)
fd	(Optional)
passivethreadid	(Optional)
passivefd	(Optional)
localaddr	(Optional)
localport	(Optional)
remoteaddr	(Optional)
remoteport	(Optional)
capsnegotiated	(Optional)
capmpadvertised	(Optional)
capgrdynamicadvertised	(Optional)
capaddpathsadvertised	(Optional)
caprefreshadvertised	(Optional)
capmprecvd	(Optional)
capgrdynamicrecvd	(Optional)
capaddpathsrecvd	(Optional)
caprefreshrecvd	(Optional)
capolddynamicadvertised	(Optional)
capolddynamicrecvd	(Optional)
caprradvertised	(Optional)
caprrrecvd	(Optional)
capoldrradvertised	(Optional)

capoldrrrecvd	(Optional)
capas4advertised	(Optional)
capas4recvd	(Optional)
TABLE_af	(Optional)
af-afi	(Optional)
TABLE_saf	(Optional)
af-safi	(Optional)
af-advertised	(Optional)
af-recvd	(Optional)
af-name	(Optional)
capgradvertised	(Optional)
capgrrecvd	(Optional)
TABLE_graf	(Optional)
gr-afi	(Optional)
TABLE_grsaf	(Optional)
gr-safi	(Optional)
gr-af-name	(Optional)
gr-adv	(Optional)
gr-recv	(Optional)
gr-fwd	(Optional)
grrestarttime	(Optional)
grstaletime	(Optional)
grrecvdrestarttime	(Optional)
TABLE_addpathscapaf	(Optional)
addpathscap-afi	(Optional)
TABLE_addpathscapsaf	(Optional)
addpathscap-safi	(Optional)
addpathscap-af-name	(Optional)
addpathssendcap-adv	(Optional)

addpathsrecvcap-adv	(Optional)
addpathssendcap-recv	(Optional)
addpathsrecvcap-recv	(Optional)
capextendednhadvertised	(Optional)
capextendednhrecvd	(Optional)
TABLE_capextendednhaf	(Optional)
capextendednh-afi	(Optional)
TABLE_capextendednhsaf	(Optional)
capextendednh-safi	(Optional)
capextendednh-af-name	(Optional)
TABLE_peraf	(Optional)
per-afi	(Optional)
TABLE_persaf	(Optional)
per-safi	(Optional)
per-af-name	(Optional)
tableversion	(Optional)
neighbortableversion	(Optional)
pfxrecvd	(Optional)
pathsrecvd	(Optional)
pfxbytes	(Optional)
pfxtreataswithdrawn	(Optional)
pfxsent	(Optional)
pathssent	(Optional)
conditionmap	(Optional)
advertisemap	(Optional)
advertisemapstatus	(Optional)
insoftreconfigallowed	(Optional)
insoftreconfigallowedalways	(Optional)
sendcommunity	(Optional)

sendextcommunity	(Optional)
maxpfx	(Optional)
maxpfx_threshold	(Optional)
localnexthop	(Optional)
TABLE_inpolicy	(Optional)
inpolicynr	(Optional)
inpolicytype	(Optional)
inpolicyname	(Optional)
inpolicyhandle	(Optional)
TABLE_outpolicy	(Optional)
outpolicynr	(Optional)
outpolicytype	(Optional)
outpolicyname	(Optional)
outpolicyhandle	(Optional)
rrconfigured	(Optional)
defaultoriginate	(Optional)
defaultoriginatermap	(Optional)
defaultsent	(Optional)
grpathssaved	(Optional)
firsteorrecvd	(Optional)
firsteortime	(Optional)
pathsflushed	(Optional)
lasteorrecvtime	(Optional)
lasteorsenttime	(Optional)
firstconvgtime	(Optional)
pfxsentfirsteor	(Optional)
unsuppress-map	(Optional)
thirdpartynexthop	(Optional)
soo	(Optional)

weight	(Optional)
allowasin	(Optional)
asoverride	(Optional)
peerascheckdisabled	(Optional)
vplssignalingprotocol	(Optional)
TABLE_policy_template	(Optional)
preference	(Optional)
inherit-policy-template	(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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbor-id	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
__readonly__	(Optional)
TABLE_sesscmd	(Optional)
sessioncmd	(Optional)
sessioncmdstatus	(Optional)
sessioncmdtemplate	(Optional)

TABLE_af	(Optional)
af-afi	(Optional)
TABLE_saf	(Optional)
af-safi	(Optional)
af-name	(Optional)
TABLE_polcmd	(Optional)
policycmd	(Optional)
policycmdstatus	(Optional)
policycmdtemplate	(Optional)

Command Mode

- /exec

show bgp neighbors flap-statistics

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } neighbors { <neighbor-id> | <ipv6-neighbor-id> } flap-statistics [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [TABLE_afi <afi> TABLE_safi <safi> <af-name> [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [<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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
flap-statistics	Display flap statistics for routes received from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_rd	(Optional)

rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
status	(Optional)
best	(Optional)
pathtype	(Optional)
peer	(Optional)
flapcount	(Optional)
duration	(Optional)
reuse	(Optional)
penalty	(Optional)
suppresslimit	(Optional)
reuselimit	(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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
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)
vrf-name-out	(Optional)

TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_id	(Optional)
id	(Optional)
hashvalue	(Optional)
refcount	(Optional)
metric	(Optional)
aspath	(Optional)

Command Mode

- /exec

show bgp 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> <pathnolabeledrnh> <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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [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
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

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)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)

typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)

aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)

TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)

attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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)
id	(Optional)
hashvalue	(Optional)
refcount	(Optional)
metric	(Optional)
aspath	(Optional)
origin	(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> [<defaultoriginatermap>] [<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
peer-template-name	(Optional) Peer-template name
__readonly__	(Optional)
TABLE_neighbor	(Optional)
templatepeer	(Optional)
remoteas	(Optional)
inherit-template	(Optional)
inherit-session-template	(Optional)
prefix-parent	(Optional)
interface-parent	(Optional)
description	(Optional)
sourceif	(Optional)

connectedcheck	(Optional)
lowmemexempt	(Optional)
bfd	(Optional)
bfdsessiontype	(Optional)
bfdmintxinterval	(Optional)
bfdminrxinterval	(Optional)
bfdmultiplier	(Optional)
bfdauthenticationtype	(Optional)
ttlsecurity	(Optional)
ttllimit	(Optional)
dscp	(Optional)
passiveonly	(Optional)
password	(Optional)
localas-inactive	(Optional)
remove-privateas	(Optional)
gshut-activate	(Optional)
gshut-map	(Optional)
configholdtime	(Optional)
configkeepalivetime	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_inheritingpeer	(Optional)
inheritingpeer	(Optional)
interface-parent	(Optional)
TABLE_peraf	(Optional)
per-afi	(Optional)
TABLE_persaf	(Optional)
per-safi	(Optional)
per-af-name	(Optional)

tableversion	(Optional)
neighbortableversion	(Optional)
pfxrecvd	(Optional)
pathsrecvd	(Optional)
pfxbytes	(Optional)
pfxtreataswithdrawn	(Optional)
pfxsent	(Optional)
pathssent	(Optional)
conditionmap	(Optional)
advertisemap	(Optional)
advertisemapstatus	(Optional)
insoftreconfigallowed	(Optional)
insoftreconfigallowedalways	(Optional)
sendcommunity	(Optional)
sendextcommunity	(Optional)
maxpfx	(Optional)
maxpfx_threshold	(Optional)
localnexthop	(Optional)
TABLE_inpolicy	(Optional)
inpolicynr	(Optional)
inpolicytype	(Optional)
inpolicyname	(Optional)
inpolicyhandle	(Optional)
TABLE_outpolicy	(Optional)
outpolicynr	(Optional)
outpolicytype	(Optional)
outpolicyname	(Optional)
outpolicyhandle	(Optional)
rrconfigured	(Optional)

defaultoriginate	(Optional)
defaultoriginatermap	(Optional)
defaultsent	(Optional)
grpathssaved	(Optional)
firsteorrecvd	(Optional)
firsteortime	(Optional)
pathsflushed	(Optional)
lasteorrecvtime	(Optional)
lasteorsenttime	(Optional)
firstconvgtime	(Optional)
pfxsentfirsteor	(Optional)
unsuppress-map	(Optional)
thirdpartynexthop	(Optional)
soo	(Optional)
weight	(Optional)
allowasin	(Optional)
asoverride	(Optional)
peerascheckdisabled	(Optional)
vplssignalingprotocol	(Optional)
TABLE_policy_template	(Optional)
preference	(Optional)
inherit-policy-template	(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
session-template-name	(Optional) Peer-session name
policy-template-name	(Optional) Peer-policy name
__readonly__	(Optional)
TABLE_template	(Optional)
template	(Optional)
present	(Optional)
TABLE_command	(Optional)
command	(Optional)
polarity	(Optional)
updatesource	(Optional)
description	(Optional)
multihop	(Optional)
holdtime	(Optional)
keepalive	(Optional)
dscp	(Optional)
routemapin	(Optional)
routemapout	(Optional)

filterlistin	(Optional)
filterlistout	(Optional)
prefixlistin	(Optional)
prefixlistout	(Optional)
maxprefixlimit	(Optional)
defaultorigin	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_peer	(Optional)
inheritingpeer	(Optional)
interface-parent	(Optional)

Command Mode

- /exec

show bgp prefix-list

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } } prefix-list { <prfxlist-name> | <test_pol_name> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<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>] [<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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

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

unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)

suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)

aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)

flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)

psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(Optional)

Command Mode

- /exec

show bgp private attr

show bgp private attr [{ ipv4 { unicast | multicast } <ip-prefix> } | { ipv6 { unicast | multicast } <ipv6-prefix> } | database | as-path | nve-peer | community | extcommunity | srte-policy | prefix-sid | srv6 | attrset] [brief]

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
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
database	(Optional) Show attribute set table
as-path	(Optional) Show AS-PATH attribute table
nve-peer	(Optional) Show NVE peer attribute table
community	(Optional) Show community attribute table
extcommunity	(Optional) Show extended community attribute table
srte-policy	(Optional) Show SRTE policy attribute table
prefix-sid	(Optional) Show prefix SID attribute table
srv6	(Optional) Show SRv6 attribute table
attrset	(Optional) Show ATTRSET attribute table
brief	(Optional) Show brief info
ip-prefix	(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> [<clibinarydone> <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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional) Read Only
processid	(Optional)

protocolstartedreason	(Optional)
protocoltag	(Optional)
protocolstate	(Optional)
clibinarydone	(Optional)
cliasciidone	(Optional)
isolatemode	(Optional)
gshut-aware	(Optional)
gshut-activate	(Optional)
gshut-map	(Optional)
mmode	(Optional)
memorystate	(Optional)
mallocmemorystate	(Optional)
platformmemorystate	(Optional)
lowmemorytimer	(Optional)
issu	(Optional)
forwardingstatesaved	(Optional)
asformat	(Optional)
attributeentries	(Optional)
fabricsoo	(Optional)
srgbmin	(Optional)
srgbmax	(Optional)
epeconfiguredpeers	(Optional)
epeactivepeers	(Optional)
hwmattributeentries	(Optional)
bytesused	(Optional)
entriespendingdelete	(Optional)
hwmentriespendingdelete	(Optional)
pathsperattribute	(Optional)
aspathentries	(Optional)

aspathbytes	(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
vrf-reconnect-interval	(Optional) VRF reconnect interval
vrf-peers	(Optional) No. of configured peers
vrf-pending-peers	(Optional) No. of pending peers
vrf-est-peers	(Optional) No. of established peers
vrf-cfgd-max-as-limit	(Optional) Configured maxas-limit
vrf-max-as-limit	(Optional) Active maxas-limit

vrf-rd-configured	(Optional) VRF RD Configured
vrf-rd	(Optional) VRF RD
vrf-secondary-rd-configured	(Optional) VRF Secondary RD Configured
vrf-secondary-rd	(Optional) VRF Secondary RD
vrf-pending-rd	(Optional) VRF pending RD
vrf-pending-secondary-rd	(Optional) VRF pending secondary RD
TABLE_af	(Optional)
af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason
af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_redist	(Optional)
protocol	(Optional) Protocol
route-map	(Optional) Route Map
wait-igp-convergence	(Optional)
TABLE_add_paths_selection	(Optional)
route-map	(Optional) Route Map
TABLE_export_rt	(Optional)
export-rt	(Optional) Export route-target

TABLE_import_rt	(Optional)
import-rt	(Optional) Import route-target
TABLE_evpn_export_rt	(Optional)
evpn-export-rt	(Optional) Export EVPN route-target
TABLE_evpn_import_rt	(Optional)
evpn-import-rt	(Optional) Import EVPN route-target
TABLE_mvpn_export_rt	(Optional)
mvpn-export-rt	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
mvpn-import-rt	(Optional) Import MVPN route-target
af-label-mode	(Optional) Label allocation mode
af-aggregate-label	(Optional) Aggregate Label
af-alloc-index	(Optional) Allocate-Index
srv6-alloc-mode	(Optional) Srv6 sid allocation mode
srv6-sid-locator-name	(Optional) SRv6 SID Locator Name
srv6-sid-locator-id	(Optional) SRv6 SID Locator ID
srv6-sid-src-enc-address	(Optional) SRv6 Source Encap Address
srv6-vrf-sid-alloc	(Optional) SRv6 VRF SID Allocation Mode
srv6-vrf-dt-sid-alloc-pending	(Optional) Is SRv6 DT46 SID Allocation: Pending
srv6-vrf-dt-sid-del-pending	(Optional) Is SRv6 DT46 SID Deletion: Pending
srv6-vrf-sid-alloc-pending-reason	(Optional) SRv6 SID Allocation pending reason:
srv6-tbl-sid-alloc	(Optional) SRv6 table ctx SID allocation mode
srv6-tbl-dt-type	(Optional) SRv6 DT type
srv6-tbl-dt-sid	(Optional) SRv6 table per VRF SID :
srv6-tbl-dt-sid-alloc-pending	(Optional) SRv6 SID Allocation: Pending
srv6-tbl-dt-sid-del-pending	(Optional) SRv6 SID Deletion: Pending
srv6-tbl-dt-sid-alloc-pending-reason	(Optional) SRV6 SID Allocation Pending Reason
importdefault_prefixlimit	(Optional) Maximum number of prefixes allowed
importdefault_prefixcount	(Optional) Current number of prefixes

importdefault_map	(Optional) Configured route-map
importdefault_advertisevpn	(Optional) Advertise-vpn is enabled
import_vrf_advertisevpn	(Optional) Advertise-vpn is enabled
exportdefault_prefixlimit	(Optional) Maximum number of prefixes allowed
exportdefault_prefixcount	(Optional) Current number of prefixes
exportdefault_map	(Optional) Configured route-map
exportdefault_allowvpn	(Optional) Allow-vpn is enabled
export_vrf_allowvpn	(Optional) Allow-vpn is enabled
af-rr	(Optional) Is a Route-reflector
default-information-enabled	(Optional) Default-information originate is enabled
default-information-rd	(Optional) Default-information originate RD
default-information-rt	(Optional) Default-information originate RT
nexthop-trigger-delay-critical	(Optional)
nexthop-trigger-delay-non-critical	(Optional)
nexthop-route-map	(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> <pathnolabeledrnh> <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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format

ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
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
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)

rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)

typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)

aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)

TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)

attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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> <pathnolabeledrnh> <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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

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

regexp	Display routes matching the AS path regular expression
regexp-str	Regular expression to match the AS paths
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)

suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)

aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)

flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)

psid_v6sid_len	(Optional)
psid_sub_type	(Optional)
psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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 informstion
srv6	Display segment-routing srv6 information
__readonly__	(Optional)
locator-name	(Optional)
locator-id	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_af	(Optional)
af-name	(Optional)
af-dt	(Optional)

Command Mode

- /exec

show bgp self-originated

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } self-originated [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<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>] [<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_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_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>]]] [<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [<attrset_aspath>] [<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> }]] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

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

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

locked	(Optional)
table-map-filtered	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
TABLE_importdests	(Optional)
importdest	(Optional)
existpath	(Optional)
gwip	(Optional)
aspath	(Optional)
origin	(Optional)

source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathreoriginated	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
pathlocator	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)

flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
tunnel-encap-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_sub_type	(Optional)

psid_func_len	(Optional)
psid_trans_len	(Optional)
psid_trans_off	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)
TABLE_path_attr_list	(Optional)
path_attr_list	(Optional)
TABLE_attr	(Optional)
attr_num	(Optional)
attr_code_str	(Optional)
attr_code_hex	(Optional)
attr_len	(Optional)
attr_flags	(Optional)
TABLE_attr_val	(Optional)
attr_value	(Optional)
attrset_origin_as	(Optional)
attrset_origin	(Optional)
attrset_metric	(Optional)
attrset_localpref	(Optional)
attrset_aspath	(Optional)
attrset_originatorid	(Optional)
TABLE_attrset_clusterlist	(Optional)
attrset_clusterlist	(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>] <remoteas> [<lastflap>] [<lastread>] [<lastwrite>] <state> <localport> <remoteport> <notificationssent> <notificationsreceived>]]

Syntax Description

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

lastread	(Optional)
lastwrite	(Optional)
state	(Optional)
localport	(Optional)
remoteport	(Optional)
notificationssent	(Optional)
notificationsreceived	(Optional)

Command Mode

- /exec

show bgp statistics

show bgp statistics [__readonly__ <msgsent> <msgrecvd> <bytesent> <byterecvd> <opensent> <openrecvd> <updatesent> <updaterecvd> <kasent> <karecvd> <notifsent> <notifrecvd> <rrefreshsent> <rrefreshrecvd> <capsent> <caprecvd>]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
statistics	BGP global statistics
__readonly__	(Optional)
msgsent	(Optional)
msgrecvd	(Optional)
bytesent	(Optional)
byterecvd	(Optional)
opensent	(Optional)
openrecvd	(Optional)
updatesent	(Optional)
updaterecvd	(Optional)
kasent	(Optional)
karecvd	(Optional)
notifsent	(Optional)
notifrecvd	(Optional)
rrefreshsent	(Optional)
rrefreshrecvd	(Optional)
capsent	(Optional)
caprecvd	(Optional)

Command Mode

- /exec

show bgp summary

show bgp { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | link-state | l2vpn vpls | ipv4 mvpn | ipv6 mvpn | l2vpn evpn | ipv4 labeled-unicast | all } summary [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [<vrf-id>] [<vrf-state>] [<vrf-state-rsn>] [<vrf-delete-pending>] [<vrf-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_saf <safi> [<af-name>] [<tableversion>] [<configuredpeers>] [<capablepeers>] [<totalnetworks>] [<totalpaths>] [<memoryused>] [<numberattrs>] [<bytesattrs>] [<numberpaths>] [<bytespaths>] [<numbercommunities>] [<bytescommunities>] [<numberclusterlist>] [<bytesclusterlist>] [<dampening>] [<historypaths>] [<dampenedpaths>] [<softreconfigrecvdpaths>] [<softreconfigidenticalpaths>] [<softreconfigcombopaths>] [<softreconfigfilteredrecvd>] [<softreconfigbytes>] [TABLE_neighbor <neighborid> [<neighborversion>] [<msgrecvd>] [<msgsent>] [<neighbortableversion>] [<inq>] [<outq>] [<neighboras>] [<time>] [<state>] [<prefixreceived>] [<interface-parent>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
mdt	Display BGP information for multicast distribution tree

link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
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

vrf-reconnect-interval	(Optional) VRF reconnect interval
vrf-peers	(Optional) No. of configured peers
vrf-pending-peers	(Optional) No. of pending peers
vrf-est-peers	(Optional) No. of established peers
vrf-cfgd-max-as-limit	(Optional) Configured maxas-limit
vrf-max-as-limit	(Optional) Active maxas-limit
vrf-rd-configured	(Optional) VRF RD Configured
vrf-rd	(Optional) VRF RD
vrf-secondary-rd-configured	(Optional) VRF Secondary RD Configured
vrf-secondary-rd	(Optional) VRF Secondary RD
vrf-pending-rd	(Optional) VRF pending RD
vrf-pending-secondary-rd	(Optional) VRF pending secondary RD
TABLE_af	(Optional)
af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason
af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_saf	(Optional)
safi	(Optional)

af-name	(Optional)
tableversion	(Optional)
configuredpeers	(Optional)
capablepeers	(Optional)
totalnetworks	(Optional)
totalpaths	(Optional)
memoryused	(Optional)
numberattrs	(Optional)
bytesattrs	(Optional)
numberpaths	(Optional)
bytespaths	(Optional)
numbercommunities	(Optional)
bytescommunities	(Optional)
numberclusterlist	(Optional)
bytesclusterlist	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
softreconfigrecvdpaths	(Optional)
softreconfigidenticalpaths	(Optional)
softreconfigcombopaths	(Optional)
softreconfigfilteredrecvd	(Optional)
softreconfigbytes	(Optional)
TABLE_neighbor	(Optional)
neighborid	(Optional)
neighborversion	(Optional)
neighboras	(Optional)
msgrecvd	(Optional)
msgsent	(Optional)

neighbortableversion	(Optional)
inq	(Optional)
outq	(Optional)
time	(Optional)
state	(Optional)
prefixreceived	(Optional)
interface-parent	(Optional)

Command Mode

- /exec

show bgp summary

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } summary [__readonly__ 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_saf <safi> [<af-name>] [<tableversion>] [<configuredpeers>] [<capablepeers>] [<totalnetworks>] [<totalpaths>] [<memoryused>] [<numberattrs>] [<bytesattrs>] [<numberpaths>] [<bytespaths>] [<numbercommunities>] [<bytescommunities>] [<numberclusterlist>] [<bytesclusterlist>] [<dampening>] [<historypaths>] [<dampenedpaths>] [<softreconfigrecvdpaths>] [<softreconfigidenticalpaths>] [<softreconfigcombopaths>] [<softreconfigfilteredrecvd>] [<softreconfigbytes>] [TABLE_neighbor <neighborid> [<neighborversion>] [<msgrecvd>] [<msgsent>] [<neighbortableversion>] [<inq>] [<outq>] [<neighboras>] [<time>] [<state>] [<prefixreceived>] [<interface-parent>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
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)
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
vrf-reconnect-interval	(Optional) VRF reconnect interval
vrf-peers	(Optional) No. of configured peers
vrf-pending-peers	(Optional) No. of pending peers
vrf-est-peers	(Optional) No. of established peers
vrf-cfgd-max-as-limit	(Optional) Configured maxas-limit
vrf-max-as-limit	(Optional) Active maxas-limit
vrf-rd-configured	(Optional) VRF RD Configured
vrf-rd	(Optional) VRF RD
vrf-secondary-rd-configured	(Optional) VRF Secondary RD Configured
vrf-secondary-rd	(Optional) VRF Secondary RD

vrf-pending-rd	(Optional) VRF pending RD
vrf-pending-secondary-rd	(Optional) VRF pending secondary RD
TABLE_af	(Optional)
af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason
af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_saf	(Optional)
safi	(Optional)
af-name	(Optional)
tableversion	(Optional)
configuredpeers	(Optional)
capablepeers	(Optional)
totalnetworks	(Optional)
totalpaths	(Optional)
memoryused	(Optional)
numberattrs	(Optional)
bytesattrs	(Optional)
numberpaths	(Optional)

bytespaths	(Optional)
numbercommunities	(Optional)
bytescommunities	(Optional)
numberclusterlist	(Optional)
bytesclusterlist	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
softreconfigrecvdpaths	(Optional)
softreconfigidenticalpaths	(Optional)
softreconfigcombopaths	(Optional)
softreconfigfilteredrecvd	(Optional)
softreconfigbytes	(Optional)
TABLE_neighbor	(Optional)
neighborid	(Optional)
neighborversion	(Optional)
neighboras	(Optional)
msgrecvd	(Optional)
msgsent	(Optional)
neighbortableversion	(Optional)
inq	(Optional)
outq	(Optional)
time	(Optional)
state	(Optional)
prefixreceived	(Optional)
interface-parent	(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
Str1	(Optional)
current_sup_module	(Optional) Current boot variable supervisor module
current_image	(Optional) Current image set for boot variable
current_poap_status	(Optional) Current status for poap
current_exclude_cfg	(Optional) current value of exclude_cfg
start_sup_module	(Optional) Next reload supervisor module
start_image	(Optional) Next reload boot variable
start_poap_status	(Optional) Next reload poap status
configured_exclude_cfg	(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
Str1	(Optional)
status	(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 autocopy is turned on
list	Show the list of files to be auto-copied
__readonly__	(Optional)
TABLE_auto_copy_list	(Optional) Auto copy table
Str1	(Optional)
file	(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
Str1	(Optional)
current_sup_module	(Optional) Current boot variable supervisor module
current_image	(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
__readonly__	(Optional)
TABLE_mode	(Optional) boot mode table
Str1	(Optional)
current_boot_mode	(Optional) current running boot mode
configured_boot_mode	(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
Str1	(Optional)
current_order	(Optional) order of the boot location
next_order	(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
Str1	(Optional)
boot_variable	(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
__readonly__	(Optional) Read only
system-monitor-name	(Optional) system monitor name
monitor-name	(Optional) monitor name
collector-name	(Optional) collector name
v4-acl-name	(Optional) v4 acl name
v6-acl-name	(Optional) v6 acl name
queue-id	(Optional) queue id
sampler-prob-rate	(Optional) sampler probabilistic rate
sampler-mb-rate	(Optional) sampler mb rate
sampler-mb-pkts	(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
__readonly__	(Optional) Read only
system-monitor-name	(Optional) system monitor name
monitor-name	(Optional) monitor name
collector-name	(Optional) collector name
record-name	(Optional) record name
v4-acl-name	(Optional) v4 acl name
v6-acl-name	(Optional) v6 acl name
queue-id	(Optional) queue id
interface	(Optional) interface
latency-threshold	(Optional) latency threshold
sampler-prob-rate	(Optional) sampler probabilistic rate
sampler-mb-rate	(Optional) sampler mb rate
sampler-mb-pkts	(Optional) sampler mb max pkts

Command Mode

- /exec