F Show Commands

show fabric database dci

show fabric database dci [{ vrf { <vrf-name> | <vrf-known-name> } [peer-id <peer-ip-address>] [detail] }] [__readonly__ [TABLE_database_dci <vrf_name> <state> <flags> <profile> <instance>] [TABLE_database_dci_detail <packet_arrival_time> <sent_to_database_manager_at> <received_parameters_from_database_manager_at> <sent_apply_to_configuration_manager_at> <completed_executing_all_commands_at> <sent_un_apply_to_configuration_manager_at> <completed_unapplying_all_commands_at>]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
dci	DCI Profile Database
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
peer-id	(Optional) management ip address of peer
peer-ip-address	(Optional) IP address in CIDR format
detail	(Optional) Show detailed information
__readonly__	(Optional) Read Only
TABLE_database_dci	(Optional) table show fabric database dci
vrf_name	(Optional)
state	(Optional)
flags	(Optional)
profile	(Optional)
instance	(Optional)
TABLE_database_dci_detail	(Optional) detail for table show fabric database dci
packet_arrival_time	(Optional) Profile request time
sent_to_database_manager_at	(Optional) Profile request sent to DCNM
received_parameters_from_database_manager_at	(Optional) Profile downloaded from DCNM
sent_apply_to_configuration_manager_at	(Optional) Profile sent to PPM to apply

completed_executing_all_commands_at	(Optional) Profile applied by PPM
sent_un_apply_to_configuration_manager_at	(Optional) Profile un-apply sent to PPM
completed_unapplying_all_commands_at	(Optional) Profile un-applied by PPM

Command Mode

- /exec

show fabric database dci

show fabric database dci [{ vrf <vrf-name> [peer-id <peer-ip-address>] [detail] }]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
dci	DCI Profile Database
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
peer-id	(Optional) management ip address of peer
peer-ip-address	(Optional) IP address in CIDR format
detail	(Optional) Show detailed information

Command Mode

- /exec

show fabric database host

show fabric database host [detail] [{ vni <vni-id> } | { dot1q <vlan-id> }] [__readonly__ [TABLE_database_host [<trigger_source>] [<client_type>] [<got_trigger_at>] [<number_of_client_hosts>] [<number_of_associated_interfaces>] [<profile_be_un_applied_in_seconds>] [<new_vdp_requests_be_accepted_in_seconds>] [<recovered_profile_be_checked_for_validity_in_seconds>] [<mac_aging_checked_in_seconds>] [<sent_to_database_manager_at>] [<received_parameters_from_database_manager_at>] [<displaying_parameters_for_profile>] [<displaying_parameters_for_instance>] [<no_parameters_for_the_profile>] [<displaying_re_written_parameters_for_vpc_role>] [TABLE_parameter [<parameter_index>] [<parameter>]] [TABLE_static_profile <profile> <instance> <no_parameters_for_the_profile>] [TABLE_migrated_profile <profile> <instance_index> <previous_profile> <previous_instance_index>] [TABLE_rollback_profile <profile> <instance_index>] [<got_vlan_allocated_from_vlan_manager_at>] [<sent_apply_to_configuration_manager_at>] [<completed_executing_all_commands_at>] [<sent_to_vpc_peer_at>] [<completed_executing_all_commands_on_vpc_peer_at>] [<sent_un_apply_to_configuration_manager_at>] [<completed_unapplying_all_commands_at>]] [TABLE_database_host_vni { [<vni_id>] [<vlan_id>] [<state> <flag> <profile_name> <instance_name>] [<packet_arrival_time> <request_profile_time> <got_profile_time> <sent_to_PPM_time> <profile_apply_time> <del_to_PPM_time>] [{ TABLE_database_host_detail <interface> <encap> <flags> <state> [<vsi_id>] [<client>] [<host>] }] }] [TABLE_database_host_vlan { [<vlan_id>] [<vni_id>] [<state> <flag> <profile_name> <instance_name>] [<packet_arrival_time> <request_profile_time> <got_profile_time> <sent_to_PPM_time> <profile_apply_time> <del_to_PPM_time>] [{ TABLE_database_host_detail <interface> <encap> <flags> <state> [<vsi_id>] }] }] [TABLE_extranet_vrf_entries { <vrf> <l3_vni> <state> <profile> <instance> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Host to profile mapping
detail	(Optional) Show hosts and interfaces
vni	(Optional) Virtual Network Identifier
vni-id	(Optional)
dot1q	(Optional) Dot1Q Encapsulation
vlan-id	(Optional)
__readonly__	(Optional) Read Only
TABLE_database_host	(Optional) table show fabric database host {dot1q | vni}
trigger_source	(Optional) TODO
client_type	(Optional) TODO

got_trigger_at	(Optional) TODO
number_of_client_hosts	(Optional) TODO
number_of_associated_interfaces	(Optional) TODO
profile_be_un_applied_in_seconds	(Optional) TODO
new_vdp_requests_be_accepted_in_seconds	(Optional) TODO
recovered_profile_be_checked_for_validity_in_seconds	(Optional) TODO
mac_aging_checked_in_seconds	(Optional) TODO
sent_to_database_manager_at	(Optional) TODO
received_parameters_from_database_manager_at	(Optional) TODO
displaying_parameters_for_profile	(Optional) TODO
displaying_parameters_for_instance	(Optional) TODO
no_parameters_for_the_profile	(Optional) TODO
displaying_re_written_parameters_for_vpc_role	(Optional) TODO
TABLE_parameter	(Optional) table show the parameters
parameter_index	(Optional) TODO
parameter	(Optional) TODO
TABLE_static_profile	(Optional) show static profile
profile	(Optional) TODO
instance	(Optional) TODO
no_parameters_for_the_profile	(Optional) TODO
TABLE_migrated_profile	(Optional) show migrated profile
profile	(Optional) TODO
instance_index	(Optional) TODO
previous_profile	(Optional) TODO
previous_instance_index	(Optional) TODO
TABLE_rollback_profile	(Optional) show rollback profile
profile	(Optional) TODO
instance_index	(Optional) TODO
got_vlan_allocated_from_vlan_manager_at	(Optional) TODO

sent_apply_to_configuration_manager_at	(Optional) TODO
completed_executing_all_commands_at	(Optional) TODO
sent_to_vpc_peer_at	(Optional) TODO
completed_executing_all_commands_on_vpc_peer_at	(Optional) TODO
sent_un_apply_to_configuration_manager_at	(Optional) TODO
completed_unapplying_all_commands_at	(Optional) TODO
TABLE_database_host_vni	(Optional) table show fabric database host vni based
vni_id	(Optional) TODO Add comment
vlan_id	(Optional) TODO Add comment
state	(Optional) TODO Add comment
flag	(Optional) TODO
profile_name	(Optional) TODO
instance_name	(Optional) TODO
packet_arrival_time	(Optional) TODO
request_profile_time	(Optional) TODO
got_profile_time	(Optional) TODO
sent_to_PPM_time	(Optional) TODO
profile_apply_time	(Optional) TODO
del_to_PPM_time	(Optional) TODO
TABLE_database_host_detail	(Optional) table show fabric database host detail
interface	(Optional) TODO
encap	(Optional) TODO
flags	(Optional) TODO
state	(Optional) TODO
vsi_id	(Optional) TODO
client	(Optional) TODO
host	(Optional) TODO
TABLE_database_host_vlan	(Optional) table show fabric database host vlan based
vlan_id	(Optional) TODO Add comment

vni_id	(Optional) TODO Add comment
state	(Optional) TODO Add comment
flag	(Optional) TODO
profile_name	(Optional) TODO
instance_name	(Optional) TODO
packet_arrival_time	(Optional) TODO
request_profile_time	(Optional) TODO
got_profile_time	(Optional) TODO
sent_to_PPM_time	(Optional) TODO
profile_apply_time	(Optional) TODO
del_to_PPM_time	(Optional) TODO
TABLE_database_host_detail	(Optional) table show fabric database host detail
interface	(Optional) TODO
encap	(Optional) TODO
flags	(Optional) TODO
state	(Optional) TODO
vsi_id	(Optional) TODO
TABLE_extranet_vrf_entries	(Optional) table extranet VRF entries
vrf	(Optional) TODO
l3_vni	(Optional) TODO
state	(Optional) TODO
profile	(Optional) TODO
instance	(Optional) TODO

Command Mode

- /exec

show fabric database host statistics

show fabric database host statistics [__readonly__ [TABLE_database_host_statistics { [<data_snoop_triggers>] [<data_snoop_deletes>] [<data_snoop_responses>] [<vdp_association_requests>] [<vdp_deassociation_requests>] [<vdp_association_responses>] [<vdp_error_responses>] [<unsupported_interfaces>] [<no_profile_map_errors>] [<outstanding_delete_retry_add>] [<duplicate_add_existing_host>] [<hmm_api_error_cannot_add_host>] [<existing_profile_new_host>] [<profile_apply_from_vpc_peer>] [<profile_un_apply_from_vpc_peer>] [<host_apply_from_vpc_peer>] [<host_un_apply_from_vpc_peer>] [<early_delete_cancel_add>] [<dhcp_requests>] [<dhcp_responses>] [<dhcp_error_responses>] [<adbm_requests>] [<adbm_responses>] [<adbm_error_responses>] [<adbm_error_requests>] [<adbm_db_notifications>] [<vnseg_no_bridge_domain>] [<vnseg_encap_responses>] [<vnseg_vni_responses>] [<vnseg_unknown_responses>] [<vnseg_bd_down_notif>] [<bd_mgr_requests>] [<bd_mgr_success_responses>] [<bd_mgr_failure_responses>] [<bd_mgr_unreserve>] [<bd_mgr_inconsistencies>] [<no_mac_on_bd_notif>] [<refresh_failures>] [<profile_apply_received>] [<profile_vpc_queued>] [<profile_local_apply_queued>] [<profile_local_unapply_queued>] [<profile_apply_sent>] [<profile_apply_responses>] [<profile_apply_success>] [<profile_unapply_success>] [<profile_apply_failure>] [<profile_commands>] [<profile_error_incomplete_configs>] [<profile_api_error>] [<profile_unapply_sent>] [<profile_top_queue_adds>] [<profile_high_queue_adds>] [<profile_low_queue_adds>] [<profile_unapply_failure>] [<outstanding_vlan_requests>] [<outstanding_adbm_requests>] [<outstanding_profile_applies>] [<outstanding_vpc_profile_applies>] [<node_recon_pending>] [<node_recon_attempts>] [<node_recon_failures>] }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
statistics	Statistics - Mostly shows non-zero values
__readonly__	(Optional) Read Only
TABLE_database_host_statistics	(Optional) table show fabric database host statistics
data_snoop_triggers	(Optional) TODO
data_snoop_deletes	(Optional) TODO
data_snoop_responses	(Optional) TODO
vdp_association_requests	(Optional) TODO
vdp_deassociation_requests	(Optional) TODO
vdp_association_responses	(Optional) TODO
vdp_error_responses	(Optional) TODO

unsupported_interfaces	(Optional) TODO
no_profile_map_errors	(Optional) TODO
outstanding_delete_retry_add	(Optional) TODO
duplicate_add_existing_host	(Optional) TODO
hmm_api_error_cannot_add_host	(Optional) TODO
existing_profile_new_host	(Optional) TODO
profile_apply_from_vpc_peer	(Optional) TODO
profile_un_apply_from_vpc_peer	(Optional) TODO
host_apply_from_vpc_peer	(Optional) TODO
host_un_apply_from_vpc_peer	(Optional) TODO
early_delete_cancel_add	(Optional) TODO
dhcp_requests	(Optional) TODO
dhcp_responses	(Optional) TODO
dhcp_error_responses	(Optional) TODO
adbm_requests	(Optional) TODO
adbm_responses	(Optional) TODO
adbm_error_responses	(Optional) TODO
adbm_error_requests	(Optional) TODO
adbm_db_notifications	(Optional) TODO
vnseg_no_bridge_domain	(Optional) TODO
vnseg_encap_responses	(Optional) TODO
vnseg_vni_responses	(Optional) TODO
vnseg_unknown_responses	(Optional) TODO
vnseg_bd_down_notif	(Optional) TODO
bd_mgr_requests	(Optional) TODO
bd_mgr_success_responses	(Optional) TODO
bd_mgr_failure_responses	(Optional) TODO
bd_mgr_unreserve	(Optional) TODO
bd_mgr_inconsistencies	(Optional) TODO

no_mac_on_bd_notif	(Optional) TODO
refresh_failures	(Optional) TODO
profile_apply_received	(Optional) TODO
profile_vpc_queued	(Optional) TODO
profile_local_apply_queued	(Optional) TODO
profile_local_unapply_queued	(Optional) TODO
profile_apply_sent	(Optional) TODO
profile_apply_responses	(Optional) TODO
profile_apply_success	(Optional) TODO
profile_unapply_success	(Optional) TODO
profile_apply_failure	(Optional) TODO
profile_commands	(Optional) TODO
profile_error_incomplete_configs	(Optional) TODO
profile_api_error	(Optional) TODO
profile_unapply_sent	(Optional) TODO
profile_top_queue_adds	(Optional) TODO
profile_high_queue_adds	(Optional) TODO
profile_low_queue_adds	(Optional) TODO
profile_unapply_failure	(Optional) TODO
outstanding_vlan_requests	(Optional) TODO
outstanding_adbm_requests	(Optional) TODO
outstanding_profile_applies	(Optional) TODO
outstanding_vpc_profile_applies	(Optional) TODO
node_recon_pending	(Optional) TODO
node_recon_attempts	(Optional) TODO
node_recon_failures	(Optional) TODO

Command Mode

- /exec

show fabric database host summary

show fabric database host summary [__readonly__ [TABLE_database_host_summary { <number_of_instances_applied> <number_of_client_hosts> <recovery_timeout_minute> <cleanup_timeout_minute> <client_add_suppression_timeout_minute> <mac_aging_timeout_minute> <autoid_support> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
summary	Summary
__readonly__	(Optional) Read Only
TABLE_database_host_summary	(Optional) table show fabric database host summary
number_of_instances_applied	(Optional) TODO
number_of_client_hosts	(Optional) TODO
recovery_timeout_minute	(Optional) TODO
cleanup_timeout_minute	(Optional) TODO
client_add_suppression_timeout_minute	(Optional) TODO
mac_aging_timeout_minute	(Optional) TODO
autoid_support	(Optional) List of supported auto-generate ids

Command Mode

- /exec

show fabric database host temp

show fabric database host temp [interface <intf-id>] [dot1q <vlan-id>]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
temp	Temporary
interface	(Optional) Specified interface to display
intf-id	(Optional) Name of interface
dot1q	(Optional) Dot1Q Encapsulation
vlan-id	(Optional)

Command Mode

- /exec

show fabric database profile-map

show fabric database profile-map { global | [<id> | interface <interface-id>] } [__readonly__ [TABLE_database_profile_map { <map> <proto> <vni> <dot1q> <flags> <profile_name> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
profile-map	Profile Map
global	Global profile (apply to all interfaces)
id	(Optional) Profile Map ID
interface	(Optional) Specified interface to display
interface-id	(Optional) Name of interface
__readonly__	(Optional) Read Only
TABLE_database_profile_map	(Optional) table show fabric database profile-map
map	(Optional) TODO
proto	(Optional) TODO
vni	(Optional) TODO
dot1q	(Optional) TODO
flags	(Optional) TODO
profile_name	(Optional) TODO

Command Mode

- /exec

show fabric database static-host

show fabric database static-host [__readonly__ [TABLE_database_static_host { <host_key> <interface> <state> <retry_delay> <retry_attempts> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
static-host	Configured Static Hosts
__readonly__	(Optional) Read Only
TABLE_database_static_host	(Optional) table show fabric database static-host
host_key	(Optional) static-host key
interface	(Optional) interface name
state	(Optional) static-host state
retry_delay	(Optional) seconds until next retry
retry_attempts	(Optional) cumulative retry attempts

Command Mode

- /exec

show fabric database statistics

show fabric database statistics [type { network | profile | cabling | partition | bl-dci | host }] [__readonly__ { TABLE_types <dbtype> <requests> <dispatched> <not_dispatched> <re_dispatched> } [{ TABLE_dbs <is_active> <type> <prot> <serverdb> [<reqs> <ok> <nores> <err> <tmout> <pend>] }] { LastPollTime <poll_time> } { LastUpdateTime <update_time> } [{ TABLE_updates <update_type> <update_status> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Show Fabric Database
statistics	Show database statistics
type	(Optional) Enter database type
network	(Optional) Network Database
profile	(Optional) Port or Switch Profile Database
cabling	(Optional) Cable Management Database
partition	(Optional) Partition Database
bl-dci	(Optional) Border Leaf - DCI
host	(Optional) Host
__readonly__	(Optional)
TABLE_types	(Optional) totals by type
dbtype	(Optional) type of database
requests	(Optional) number of requests
dispatched	(Optional) number dispatched
not_dispatched	(Optional) number not dispatched
re_dispatched	(Optional) number re-dispatched
TABLE_dbs	(Optional) per-database stats
is_active	(Optional) active/inactive
type	(Optional) database type
prot	(Optional) database protocol
serverdb	(Optional) server database

reqs	(Optional) requests
ok	(Optional) OK
nores	(Optional) nores
err	(Optional) err
tmout	(Optional) tmout
pend	(Optional) pend
LastPollTime	(Optional) last poll time
poll_time	(Optional) poll time
LastUpdateTime	(Optional) last update time for db status change
update_time	(Optional) update time
TABLE_updates	(Optional) totals ty type
update_type	(Optional) db type
update_status	(Optional) db status

Command Mode

- /exec

show fabric forwarding host-db

show fabric forwarding host-db [{ vrf { <vrf-name> | <vrf-known-name> | all } }] [__readonly__ [TABLE_forwarding_host_db_vrf { <vrf> <vrf_id> <vrf_state> <vrf_reason> <vni_id> <refcount> <conversational_learning> [TABLE_limit_type <limit_type> <enable> <threshold> <action>] [TABLE_ipv4 <address_family> <vrf> <table_id> <table_state> <refcount> <local_hosts> <remote_hosts> <aggregates> [TABLE_aggregate_list <aggregate_subnet_prefix_list> <aggregate_subnet_prefix_state>]] [TABLE_ipv6 <address_family> <vrf> <table_id> <table_state> <refcount> <local_hosts> <remote_hosts> <aggregates> [TABLE_aggregate_list <aggregate_subnet_prefix_list> <aggregate_subnet_prefix_state>]] }]]

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
host-db	Host Database info
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
__readonly__	(Optional) Read Only
TABLE_forwarding_host_db_vrf	(Optional) table show fabric forwarding host-db vrf
vrf	(Optional) TODO
vrf_id	(Optional) TODO
vrf_state	(Optional) TODO
vrf_reason	(Optional) TODO
vni_id	(Optional) TODO
refcount	(Optional) TODO
conversational_learning	(Optional) TODO
TABLE_limit_type	(Optional) table for limit type
limit_type	(Optional) TODO
enable	(Optional) TODO
threshold	(Optional) TODO
action	(Optional) TODO

TABLE_ipv4	(Optional) Information for address family IPv4
address_family	(Optional) TODO
vrf	(Optional) TODO
table_id	(Optional) TODO
table_state	(Optional) TODO
refcount	(Optional) TODO
local_hosts	(Optional) TODO
remote_hosts	(Optional) TODO
aggregates	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
aggregate_subnet_prefix_list	(Optional) TODO
TABLE_ipv6	(Optional) Information for address family IPv6
address_family	(Optional) TODO
vrf	(Optional) TODO
table_id	(Optional) TODO
table_state	(Optional) TODO
refcount	(Optional) TODO
local_hosts	(Optional) TODO
remote_hosts	(Optional) TODO
aggregates	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
aggregate_subnet_prefix_list	(Optional) TODO
aggregate_subnet_prefix_state	(Optional) TODO

Command Mode

- /exec

show fabric forwarding ip local

show fabric forwarding ip { local-host-db [{ vrf { <vrf-name> | <vrf-known-name> | all } }] [<ip-prefix>] } [__readonly__ [TABLE_forwarding_ip_local_host_db_vrf { <hmm_host> <vrf> <status_in> { TABLE_hosts <host> <mac_address> <svi> <flags_0x> <physical_interface> <status> } }]]

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ip	Display IP information
local-host-db	HMM Local Host Database
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
ip-prefix	(Optional) IP prefix in CIDR format
__readonly__	(Optional) Read Only
TABLE_forwarding_ip_local_host_db_vrf	(Optional) table show fabric forwarding ip local-host-db vrf
hmm_host	(Optional) TODO
vrf	(Optional) TODO
status_in	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
host	(Optional) TODO
mac_address	(Optional) TODO
svi	(Optional) TODO
flags_0x	(Optional) TODO
physical_interface	(Optional) TODO
status	(Optional) *-valid, x-deleted, a-aged out, c-cleaned

Command Mode

- /exec

show fabric forwarding ipv6 local

show fabric forwarding ipv6 { local-host-db [{ vrf { <vrf-name> | <vrf-known-name> | all } }] [<ipv6-prefix>] } [__readonly__ [TABLE_forwarding_ipv6_local_host_db_vrf { <hmm_host> <vrf> <status_in> { TABLE_hosts <host> <mac_address> <svi> <flags_0x> <physical_interface> <status> } }]]

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ipv6	Display IPv6 information
local-host-db	HMM Local Host Database
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
__readonly__	(Optional) Read Only
TABLE_forwarding_ipv6_local_host_db_vrf	(Optional) table show fabric forwarding ipv6 local-host-db vrf
hmm_host	(Optional) TODO
vrf	(Optional) TODO
status_in	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
host	(Optional) TODO
mac_address	(Optional) TODO
svi	(Optional) TODO
flags_0x	(Optional) TODO
physical_interface	(Optional) TODO
status	(Optional) *-valid, x-deleted, a-aged out, c-cleaned

Command Mode

- /exec

show fabric multicast

show fabric multicast { ipv4 { mroute [{ <v4_group> [<v4_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } | ipv6 { mroute [{ <v6_group> [<v6_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <context_name> <nlri_type> <vnid> [TABLE_mroute <mroute> { TABLE_node <node_addr> <real_join> <sim_join> <rpf_nbr> }] [TABLE_rp <border_leaf_addr> { TABLE_rp_grange <rp_grange_desc> }] [TABLE_ssm <border_leaf_addr> { TABLE_ssm_range <ssm_range_desc> }]]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
mroute	display fabric mroutes
sa-ad-route	display Src Active AD routes
ssm-range	display SSM ranges
rp-grange	display RP granges
v4_group	(Optional) IPV4 Group address to display
v4_source	(Optional) IPV4 Source address to display
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of
__readonly__	(Optional)
TABLE_vrf	(Optional)
context_name	(Optional)
nlri_type	(Optional)
vnid	(Optional)
TABLE_mroute	(Optional)
mroute	(Optional)

TABLE_node	(Optional)
node_addr	(Optional)
real_join	(Optional)
sim_join	(Optional)
rpf_nbr	(Optional)
TABLE_rp	(Optional)
border_leaf_addr	(Optional)
TABLE_rp_grange	(Optional)
rp_grange_desc	(Optional)
TABLE_ssm	(Optional)
border_leaf_addr	(Optional)
TABLE_ssm_range	(Optional)
ssm_range_desc	(Optional)

Command Mode

- /exec

show fabric multicast event-history

show fabric multicast [internal] event-history { errors | msgs | <ngmvpn-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
internal	(Optional) Commands for internal use
event-history	Show various event logs of NGMVPN
errors	Show error logs of NGMVPN
msgs	Show various message logs of NGMVPN
ngmvpn-event-hist-buf-name	Show event hist buffer name
statistics	Show the state and size of the buffer

Command Mode

- /exec

show fabric multicast globals

show fabric multicast globals [__readonly__ <pruning> <switch_role> <fabric_control_seg> <peer_fabric_ctrl_addr> <advertise_vpc_rpf_routes> <created_vni_list> <fwd_encap>]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
globals	show the global settings
__readonly__	(Optional)
pruning	(Optional)
switch_role	(Optional)
fabric_control_seg	(Optional)
peer_fabric_ctrl_addr	(Optional)
advertise_vpc_rpf_routes	(Optional)
created_vni_list	(Optional)
fwd_encap	(Optional)

Command Mode

- /exec

show fabric multicast ipv4 l2 vni

show fabric multicast { ipv4 | ipv6 } { l2-mroute } vni { <vni-id> | all } [__readonly__ TABLE_vni <vnid> [TABLE_mroute <mroute_desc> [TABLE_fabric <fabric_node_addr>]]]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
l2-mroute	display l2-mroute status
vni	Virtual Network Identifier
vni-id	VNI number
all	Display all L2 VNI NGMVPN is aware of
__readonly__	(Optional)
TABLE_vni	(Optional)
vnid	(Optional)
TABLE_mroute	(Optional)
mroute_desc	(Optional)
TABLE_fabric	(Optional)
fabric_node_addr	(Optional)

Command Mode

- /exec

show fabric multicast ipv4 rp

show fabric multicast { ipv4 | ipv6 } { rp-route } [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
rp-route	display fabric rp-routes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of

Command Mode

- /exec

show fabric multicast statistics

show fabric multicast [internal] statistics

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
internal	(Optional) Commands for internal use
statistics	Show the state and size of the buffer

Command Mode

- /exec

show fabric multicast trigger-bgp-update vnid source group nlri-origin

show fabric multicast trigger-bgp-update vnid <vnid> source <source> group <group> nlri-origin <nlri-origin> [delete] [starg] [sa-ad-route]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
trigger-bgp-update	simulate bgp update
vnid	Add/Del route with this vnid
vnid	vnid address
source	Add/Del route with this source
source	Source address
group	Add/Del route with this group
group	Group address
nlri-origin	Add/Del route with this nlri-origin
nlri-origin	Nlri Origin address
delete	(Optional) Whether this is a delete
starg	(Optional) Whether this is starg update
sa-ad-route	(Optional)

Command Mode

- /exec

show fabric multicast trigger-isis-update nh-addr swid

show fabric multicast trigger-isis-update nh-addr <nh-addr> swid <swid> [delete]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
trigger-isis-update	simulate isis update
nh-addr	Add/Del mapping with this nh-addr
nh-addr	Nlri Origin address
swid	Add/Del mapping with this swid
swid	switch id
delete	(Optional) Whether this is a delete

Command Mode

- /exec

show fabric multicast trigger-m6rib-update vrf source group

show fabric multicast trigger-m6rib-update vrf { <vrf-name> | <vrf-known-name> } source <source> group <group> [delete]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
trigger-m6rib-update	simulate m6rib update
vrf	Display per-VRF information
vrf-name	VRF name
vrf-known-name	Known VRF name
source	Add/Del route with this source
group	Add/Del route with this group
delete	(Optional) Whether this is a delete

Command Mode

- /exec

show fabric multicast vrf

show fabric multicast vrf [{ <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_vrf <context_name><context_id><vprime_iod><vnid> }]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
vrf	Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of
__readonly__	(Optional)
TABLE_vrf	(Optional)

Command Mode

- /exec

show fc2 bind

show fc2 bind [__readonly__ { TABLE_fc2bind <SOCKET> <FLAGS> <NLEVEL> <RULE> <SINDEX> <VSAN> <D_ID> <MASK> <TYPE> <SUBTYPE> <M_VALUES> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
bind	show fc2 socket bindings
__readonly__	(Optional) Read only
TABLE_fc2bind	(Optional) show fc2 bind
SOCKET	(Optional) socket
FLAGS	(Optional) flags
NLEVEL	(Optional) nlevel
RULE	(Optional) rule
SINDEX	(Optional) sidnex
VSAN	(Optional) vsan
D_ID	(Optional) d_id
MASK	(Optional) mask
TYPE	(Optional) type
SUBTYPE	(Optional) subtype
M_VALUES	(Optional) m_values

Command Mode

- /exec

show fc2 classf

show fc2 classf [__readonly__ { TABLE_fc2classf <HIX> <VSAN> <S_ID> <D_ID> <IFIDX> <R_A_TOV> <E_D_TOV> <F-SO> <RC> <RS> <CS> <EE> <2-SO> <RS> <3-SO> <RS> <EECNT> <TCCNT> <FCNT> <REFCNT> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
classf	show fc2 classf sessions
__readonly__	(Optional) Read only
TABLE_fc2classf	(Optional) show fc2 classf
HIX	(Optional) hix
VSAN	(Optional) vsan
S_ID	(Optional) sid
D_ID	(Optional) did
IFIDX	(Optional) ifidx
R_A_TOV	(Optional) r_a_tov
E_D_TOV	(Optional) e_d_tov
F-SO	(Optional) f-so
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
2-SO	(Optional) 2-so
RS	(Optional) rs
3-SO	(Optional) 3-so
RS	(Optional) rs
EECNT	(Optional) eecnt
TCCNT	(Optional) tccnt
FCNT	(Optional) fcnt

REFCNT	(Optional) refcnt

Command Mode

- /exec

show fc2 exchange

show fc2 exchange [__readonly__ { TABLE_ExchngInfo [<ECB_INUSE>] [<ECB_DROPPED>] [<ECB_TOTAL>] [<ECB_MAX>] } [TABLE_fc2exchange <HIX> <VSAN> <X_ID> <OX_ID> <RX_ID> <O_ID> <R_ID> <ESTAT> <STATE> <SOCKET> <DIFINDEX> <CS> <TYPE> <SEQID> <TCNT> <RCNT> <LO> <HI> <SSTAT> <LOGIN>]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchange	show fc2 active exchanges
__readonly__	(Optional) Read only
TABLE_ExchngInfo	(Optional) ecb info
ECB_INUSE	(Optional) ecb in use
ECB_DROPPED	(Optional) ecb dropped
ECB_TOTAL	(Optional) ecb total
ECB_MAX	(Optional) ecb threshold
TABLE_fc2exchange	(Optional) show fc2 exchange
HIX	(Optional) hix
VSAN	(Optional) vsan
X_ID	(Optional) xid
OX_ID	(Optional) oxid
RX_ID	(Optional) rxid
O_ID	(Optional) o_id
R_ID	(Optional) r_id
ESTAT	(Optional) estat
STATE	(Optional) state
SOCKET	(Optional) socket
DIFINDEX	(Optional) dIFINDEX
CS	(Optional) cs
TYPE	(Optional) type

SEQID	(Optional) seqid
TCNT	(Optional) tcnt
RCNT	(Optional) rcnt
LO	(Optional) lo
HI	(Optional) hi
SSTAT	(Optional) sstat
LOGIN	(Optional) login

Command Mode

- /exec

show fc2 exchresp

show fc2 exchresp [__readonly__ { TABLE_fc2exchresp <HIX> <VSAN> <OX_ID> <S_ID> <CS> <SIFINDEX> <OX_ID2> <RX_ID2> <O_ID> <R_ID> <ESTAT> <STATE> <SOCKET> <TYPE> <SEQID> <TCNT> <RCNT> <LO> <HI> <SSTAT> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchresp	show fc2 active responder exchanges
__readonly__	(Optional) Read only
TABLE_fc2exchresp	(Optional) show fc2 exchresp
HIX	(Optional) hix
VSAN	(Optional) vsan
OX_ID	(Optional) oxid
S_ID	(Optional) sid
CS	(Optional) cs
SIFINDEX	(Optional) sifindex
OX_ID2	(Optional) oxid
RX_ID2	(Optional) rxid
O_ID	(Optional) oid
R_ID	(Optional) rid
ESTAT	(Optional) estat
STATE	(Optional) state
SOCKET	(Optional) socket
TYPE	(Optional) type
SEQID	(Optional) seqid
TCNT	(Optional) tcnt
RCNT	(Optional) rcnt
LO	(Optional) lo
HI	(Optional) hi

SSTAT	(Optional) sstat

Command Mode

- /exec

show fc2 flogi

show fc2 flogi [__readonly__ { TABLE_fc2flogi <HIX> <VSAN> <S_ID> <FLOGI> <IFINDEX> <TYPE> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
flogi	show fc2 flogi table
__readonly__	(Optional) Read only
TABLE_fc2flogi	(Optional) show fc2 flogi
HIX	(Optional) hix
VSAN	(Optional) vsan
S_ID	(Optional) sid
FLOGI	(Optional) flogi
IFINDEX	(Optional) ifindex
TYPE	(Optional) type

Command Mode

- /exec

show fc2 nport

show fc2 nport [__readonly__ { TABLE_fc2nport <REF> <VSAN> <D_ID> <MASK> <FL> <ST> <IFINDEX> <CF> <TC> <2-SO> <IC> <RC> <RS> <CS> <EE> <3-SO> <3-SO-IC> <3-SO-RC> <3-SO-RS> <3-SO-CS> <3-SO-EE> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
nport	show fc2 local nports
__readonly__	(Optional) Read only
TABLE_fc2nport	(Optional) show fc2 nport
REF	(Optional) ref
VSAN	(Optional) vsan
D_ID	(Optional) did
MASK	(Optional) mask
FL	(Optional) fl
ST	(Optional) st
IFINDEX	(Optional) ifindex
CF	(Optional) cf
TC	(Optional) tc
2-SO	(Optional) 2so
IC	(Optional) ic
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
3-SO	(Optional) 3so
3-SO-IC	(Optional) 3so-ic
3-SO-RC	(Optional) 3so-rc
3-SO-RS	(Optional) 3so-rs

3-SO-CS	(Optional) 3so-cs
3-SO-EE	(Optional) 3so-ee

Command Mode

- /exec

show fc2 plogi

show fc2 plogi [__readonly__ { TABLE_fc2plogi <HIX> <ADDRESS> <VSAN> <S_ID> <D_ID> <IF_INDEX> <FL> <STATE> <CF> <TC> <2-SO> <IC> <RC> <RS> <CS> <EE> <3-SO> <3SO_IC> <3SO_RC> <3SO_RS> <3SO_CS> <3SO_EE> <EECNT> <TCCNT> <2CNT> <3CNT> <REFCNT> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi	show fc2 plogi sessions
__readonly__	(Optional) Read only
TABLE_fc2plogi	(Optional) show fc2 plogi
HIX	(Optional) hix
ADDRESS	(Optional) address
VSAN	(Optional) vsan
S_ID	(Optional) sid
D_ID	(Optional) did
IF_INDEX	(Optional) ifindex
FL	(Optional) fl
STATE	(Optional) state
CF	(Optional) cf
TC	(Optional) tc
2-SO	(Optional) 2so
IC	(Optional) ic
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
3-SO	(Optional) 3so
3SO_IC	(Optional) ic
3SO_RC	(Optional) rc

3SO_RS	(Optional) rs
3SO_CS	(Optional) cs
3SO_EE	(Optional) ee
EECNT	(Optional) eecnt
TCCNT	(Optional) TCCNT
2CNT	(Optional) 2cnt
3CNT	(Optional) 3cnt
REFCNT	(Optional) refcnt

Command Mode

- /exec

show fc2 plogi_pwwn

show fc2 plogi_pwwn [__readonly__ { TABLE_fc2plogi_pwwn <HIX> <ADDRESS> <VSAN> <S_ID> <D_ID> <IFINDEX> <FL> <STATE> <PWWN> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi_pwwn	show fc2 plogi pwwn entries
__readonly__	(Optional) Read only
TABLE_fc2plogi_pwwn	(Optional) show fc2 plogi_pwwn
HIX	(Optional) hix
ADDRESS	(Optional) address
VSAN	(Optional) vsan
S_ID	(Optional) s_id
D_ID	(Optional) d_id
IFINDEX	(Optional) ifindex
FL	(Optional) fl
STATE	(Optional) state
PWWN	(Optional) pwwn

Command Mode

- /exec

show fc2 port brief

show fc2 port brief [__readonly__ { TABLE_fc2portbrief <BAD_FRAME_RX> } [TABLE_FCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_LBSTAT <IX> <ST> <MOD> <EMUL> <TXLBPKTS> <TXLBDROP> <RXLBPKTS> <RXLBDROP>] [TABLE_VFCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCPOSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
brief	display only active port counters
__readonly__	(Optional) Read only
TABLE_fc2portbrief	(Optional) bad frames received
BAD_FRAME_RX	(Optional) fc2 bad frames rx
TABLE_FCSTAT	(Optional) FC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul

TXLBPKTS	(Optional) tx lb packets
TXLBDROP	(Optional) tx lb drops
RXLBPKTS	(Optional) rx lb packets
RXLBDROP	(Optional) rx lb drop
TABLE_VFCSTAT	(Optional) VFC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCPOSTAT	(Optional) VFC po Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCSLOTSTAT	(Optional) VFC slot Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul

TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop

Command Mode

- /exec

show fc2 port drops

show fc2 port drops [__readonly__ [TABLE_FCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_LBSTAT <IX> <ST> <MOD> <EMUL> <TXLBPKTS> <TXLBDROP> <RXLBPKTS> <RXLBDROP>] [TABLE_VFCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCPOSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
drops	display active port drop counters
__readonly__	(Optional) Read only
TABLE_FCSTAT	(Optional) FC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXLBPKTS	(Optional) tx lb packets
TXLBDROP	(Optional) tx lb drops

RXLBPKTS	(Optional) rx lb packets
RXLBDROP	(Optional) rx lb drop
TABLE_VFCSTAT	(Optional) VFC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCPOSTAT	(Optional) VFC po Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCSLOTSTAT	(Optional) VFC slot Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops

TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop

Command Mode

- /exec

show fc2 port state

show fc2 port state [__readonly__ [TABLE_FCPORTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +] [TABLE_VFCPORTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +] [TABLE_VFCPOPORTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +] [TABLE_VFCPORTSLOTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
state	display port state history
__readonly__	(Optional) Read only
TABLE_FCPORTSTATE	(Optional) fc port state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up
UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from
TABLE_VFCPORTSTATE	(Optional) vfc port state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up

UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from
TABLE_VFCPOPORTSTATE	(Optional) vfc po port state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up
UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from
TABLE_VFCPORTSLOTSTATE	(Optional) vfc port slot state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up
UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from

Command Mode

- /exec

show fc2 socket

show fc2 socket [__readonly__ { TABLE_fc2socket <SOCKET> <REFCNT> <PROTOCOL> <FLAGS> <PID> <RCVBUF> <RMEM_USED> <QLEN> <NOTSK> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socket	show fc2 active sockets
__readonly__	(Optional) Read only
TABLE_fc2socket	(Optional) show fc2 socket
SOCKET	(Optional) socket
REFCNT	(Optional) refcnt
PROTOCOL	(Optional) protocol
FLAGS	(Optional) flags
PID	(Optional) pid
RCVBUF	(Optional) rcvbuf
RMEM_USED	(Optional) rmem_used
QLEN	(Optional) qlen
NOTSK	(Optional) not_sk

Command Mode

- /exec

show fc2 sockexch

show fc2 sockexch [__readonly__ { TABLE_fc2sockexch <SOCKET> <VSAN> <X_ID> <OX_ID> <RX_ID> <O_ID> <R_ID> <ESTAT> <STATE> <CS> <TYPE> <SK> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
sockexch	show fc2 active exchanges for each socket
__readonly__	(Optional) Read only
TABLE_fc2sockexch	(Optional) show fc2 sockexch
SOCKET	(Optional) socket
VSAN	(Optional) vsan
X_ID	(Optional) x_id
OX_ID	(Optional) oxid
RX_ID	(Optional) rxid
O_ID	(Optional) o_id
R_ID	(Optional) r_id
ESTAT	(Optional) estat
STATE	(Optional) state
CS	(Optional) cs
TYPE	(Optional) type
SK	(Optional) sk

Command Mode

- /exec

show fc2 socknotify

show fc2 socknotify [__readonly__ { TABLE_fc2socknotify <SOCKET> <ADDRESS> <REF> <VSAN> <D_ID> <MASK> <FL> <ST> <IFINDEX> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknotify	show fc2 local nport plogi/logo notifications per each socket
__readonly__	(Optional) Read only
TABLE_fc2socknotify	(Optional) show fc2 socknotify
SOCKET	(Optional) socket
ADDRESS	(Optional) address
REF	(Optional) ref
VSAN	(Optional) vsan
D_ID	(Optional) d_id
MASK	(Optional) mask
FL	(Optional) fl
ST	(Optional) st
IFINDEX	(Optional) ifindex

Command Mode

- /exec

show fc2 socknport

show fc2 socknport [__readonly__ { TABLE_fc2socknport <SOCKET> <ADDRESS> <REF> <VSAN> <D_ID> <MASK> <FL> <ST> <IFINDEX> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknport	show fc2 local nports per each socket
__readonly__	(Optional) Read only
TABLE_fc2socknport	(Optional) show fc2 socknport
SOCKET	(Optional) socket
ADDRESS	(Optional) address
REF	(Optional) ref
VSAN	(Optional) vsan
D_ID	(Optional) d_id
MASK	(Optional) mask
FL	(Optional) fl
ST	(Optional) st
IFINDEX	(Optional) ifindex

Command Mode

- /exec

show fc2 vsan

show fc2 vsan [__readonly__ { TABLE_fc2vsan <VSAN> <X_ID> <E_D_TOV> <R_A_TOV> <WWN> <IOP_MODE> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
vsan	show fc2 vsan table
__readonly__	(Optional) Read only
TABLE_fc2vsan	(Optional) show fc2 vsan
VSAN	(Optional) vsan
X_ID	(Optional) xid
E_D_TOV	(Optional) e_d_tov
R_A_TOV	(Optional) r_a_tov
WWN	(Optional) wwn
IOP_MODE	(Optional) iop_mode

Command Mode

- /exec

show feature-set

show feature-set [<name>] [<id>] [__readonly__ TABLE_cfcFeatureSetTable <cfcFeatureSetIndex> <cfcFeatureSetName> <cfcFeatureSetAction> <cfcFeatureSetLastAction> <cfcFeatureSetLastActionResult> <cfcFeatureSetLastFailureReason> <cfcFeatureSetOpStatus> <cfcFeatureSetOpStatusReason>]

Syntax Description

show	Show running system information
feature-set	Show feature set status
name	(Optional) feature-set name
id	(Optional) feature-set id
__readonly__	(Optional)
TABLE_cfcFeatureSetTable	(Optional) feature-set table
cfcFeatureSetIndex	(Optional) feature-set table index
cfcFeatureSetName	(Optional) feature-set name
cfcFeatureSetAction	(Optional) action
cfcFeatureSetLastAction	(Optional) last action
cfcFeatureSetLastActionResult	(Optional) last action result
cfcFeatureSetLastFailureReason	(Optional) last failure reason
cfcFeatureSetOpStatus	(Optional) operation status
cfcFeatureSetOpStatusReason	(Optional) operation status

Command Mode

- /exec

show feature-set services

show feature-set services <s0> [__readonly__ { TABLE_services <service_name> } { <count> <feature_set> }]

Syntax Description

show	Show running system information
feature-set	Show feature set status
services	Show services in feature set
__readonly__	(Optional)
TABLE_services	(Optional) all service names in feature set
service_name	(Optional) name of the service
count	(Optional) number of services in the feature set
feature_set	(Optional) feature set name
s0	Name of feature set

Command Mode

- /exec

show feature

show feature [__readonly__ [{ TABLE_cfcFeatureCtrlTable <cfcFeatureCtrlIndex2> <cfcFeatureCtrlInstanceNum2> <cfcFeatureCtrlName2> <cfcFeatureCtrlAction2> <cfcFeatureCtrlLastAction2> <cfcFeatureCtrlLastActionResult2> <cfcFeatureCtrlLastFailureReason2> <cfcFeatureCtrlOpStatus2> <cfcFeatureCtrlOpStatusReason2> <cfcFeatureCtrlTag2> }]]

Syntax Description

show	Show running system information
feature	Show feature status
__readonly__	(Optional)
TABLE_cfcFeatureCtrlTable	(Optional) feature table
cfcFeatureCtrlIndex2	(Optional) feature table index
cfcFeatureCtrlInstanceNum2	(Optional) instance number
cfcFeatureCtrlName2	(Optional) feature name
cfcFeatureCtrlAction2	(Optional) Action to be triggered for the feature
cfcFeatureCtrlLastAction2	(Optional) Last action triggered for the feature
cfcFeatureCtrlLastActionResult2	(Optional) The result of execution of the last action
cfcFeatureCtrlLastFailureReason2	(Optional) Failure Reason
cfcFeatureCtrlOpStatus2	(Optional) operation status
cfcFeatureCtrlOpStatusReason2	(Optional) Reason for current operation status
cfcFeatureCtrlTag2	(Optional) Name of the instance in string format in case of multinstance feature

Command Mode

- /exec

show fhrp

show fhrp [<intf>] [__readonly__ { TABLE_brief <intf_name> <intf_state> <ipv4_state> <ipv6_state> <hardware_status> <refcount> }]

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
intf	(Optional) Specify a single interface
__readonly__	(Optional)
TABLE_brief	(Optional) Show brief FHRP interface information
intf_name	(Optional) Interface name
intf_state	(Optional) Interface state
ipv4_state	(Optional) Interface IPv4 state
ipv6_state	(Optional) Interface IPv6 state
hardware_status	(Optional) Interface hardware status
refcount	(Optional) Interface refcount

Command Mode

- /exec

show fhrp verbose

show fhrp [<intf>] verbose [__readonly__ { TABLE_det <intf_name> <handle> <refcount> { TABLE_clients <client_id> <client_name> } <running> <expired> <v_retries> <v_time> <r_delay> <min_delay> <remaining_delay> <i_state> <ipv4_state> <ipv6_state> <h_state> <int_l2> }]

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
intf	(Optional) Specify a single interface
verbose	Display detailed information
__readonly__	(Optional)
TABLE_det	(Optional) Detailed FHRP interface information
intf_name	(Optional) Interface name
handle	(Optional) Interface handle
refcount	(Optional) Reference count
TABLE_clients	(Optional) FHRP clients present on interface
client_id	(Optional) FHRP client id
client_name	(Optional) FHRP client name
running	(Optional) Time verify up timer running
expired	(Optional) Verify up timer has expired
v_retries	(Optional) Verify retries
v_time	(Optional) Verify remaining time
r_delay	(Optional) Reload delay
min_delay	(Optional) Min delay
remaining_delay	(Optional) Remaining delay
i_state	(Optional) Interface state
ipv4_state	(Optional) Interface IPv4 state
ipv6_state	(Optional) Interface IPv6 state
h_state	(Optional) Interface hardware state
int_l2	(Optional) Interface is L2-only

Command Mode

- /exec

show file

show file <uri0> [cksum | md5sum | sha256sum | sha512sum] [__readonly__ { [<file_content>] + [<file_content_cksum>] [<file_content_md5sum>] [<file_content_sha256sum>] [<file_content_sha512sum>] }]

Syntax Description

show	Show running system information
file	Displays content of files
uri0	Filename to be displayed
cksum	(Optional) Displays CRC checksum for a file
md5sum	(Optional) Displays MD5 checksum for a file
sha256sum	(Optional) Displays SHA256 checksum for a file
sha512sum	(Optional) Displays SHA512 checksum for a file
__readonly__	(Optional) Read only
file_content	(Optional) uri file content buffer string
file_content_cksum	(Optional) uri file content checksum
file_content_md5sum	(Optional) uri file content md5sum
file_content_sha256sum	(Optional) uri file content sha256sum
file_content_sha512sum	(Optional) uri file content sha512sum

Command Mode

- /exec

show fips status

show fips status [__readonly__ { operation_status <o_status> } { mode_state <m_state> } [TABLE_sessions <lc_num> <lc_status>]]

Syntax Description

show	Show running system information
fips	Show if FIPS mode is enabled or disabled
status	Whether FIPS mode is enabled or disabled
__readonly__	(Optional)
operation_status	(Optional) run-time information about fips
o_status	(Optional) operational status of fips
mode_state	(Optional) mode state
m_state	(Optional) fips or non-fips state
TABLE_sessions	(Optional) all lc status
lc_num	(Optional) the lc number
lc_status	(Optional) the lc status

Command Mode

- /exec

show flow cache

show flow cache [ipv4 | ipv6 | ce] [__readonly__ [{ TABLE_flow_cache <flow-cache-index> [<flow-type>] [<source-ip>] [<destination-ip>] [<source-mac>] [<destination-mac>] [<bridge-domain-id>] [<ether-type>] [<source-port>] [<destination-port>] [<protocol>] [<ipv6-flowlabel>] [<byte-count>] [<packet-count>] [<tcp-flags>] [<tos>] [<if-id>] [<flow-start>] [<flow-end>] }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
__readonly__	(Optional)
TABLE_flow_cache	(Optional) The XML flow cache table
flow-cache-index	(Optional) Flow Index
flow-type	(Optional) Flow type - v4,v6 or MAC
source-ip	(Optional) Source IP
destination-ip	(Optional) Destination IP
source-mac	(Optional) Source MAC
destination-mac	(Optional) Destination MAC
bridge-domain-id	(Optional) Bridge Domain ID
ether-type	(Optional) Ether Type
source-port	(Optional) Source Port
destination-port	(Optional) Destination Port
protocol	(Optional) Protocol
ipv6-flowlabel	(Optional) Ipv6 flowlabel
byte-count	(Optional) Byte Count
packet-count	(Optional) Packet Count
tcp-flags	(Optional) TCP Flags

tos	(Optional) TOS
if-id	(Optional) IF ID
flow-start	(Optional) Flow Start Time
flow-end	(Optional) Flow End Time

Command Mode

- /exec

show flow exporter

show flow exporter [name] [<exporter>] [__readonly__ { TABLE_flow_exporter <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp> <exp_vers> <seqnum> <samp_table_to> <if_table_to> <stats_to> <temp_to> <rec_sent> <temp_sent> <pkts_sent> <bytes_sent> <dest_unreach> <buff_events> <pkts_drop_no_route> <pkts_drop_other> <pkts_drop_lc_rp> <pkts_drop_op_drops> <time_last_cleared> }]

Syntax Description

show	Show running system information
flow	Show NetFlow information
exporter	Show NetFlow Exporter Configuration and Statistics
name	(Optional) Show a specific Flow Exporter
exporter	(Optional) Specify an exporter
__readonly__	(Optional)
TABLE_flow_exporter	(Optional)
exporter	(Optional)
description	(Optional)
dest	(Optional)
vrf	(Optional)
vrf_id	(Optional)
vrf_resolved	(Optional)
dest_udp	(Optional)
source_intf	(Optional)
source_ip	(Optional)
dscp	(Optional)
seqnum	(Optional)
exp_vers	(Optional)
samp_table_to	(Optional)
if_table_to	(Optional)
stats_to	(Optional)
temp_to	(Optional)

rec_sent	(Optional)
temp_sent	(Optional)
pkts_sent	(Optional)
bytes_sent	(Optional)
dest_unreach	(Optional)
buff_events	(Optional)
pkts_drop_no_route	(Optional)
pkts_drop_other	(Optional)
pkts_drop_lc_rp	(Optional)
pkts_drop_op_drops	(Optional)
time_last_cleared	(Optional)

Command Mode

- /exec

show flow glbl-pkt-cnt

show flow glbl-pkt-cnt

Syntax Description

show	Show running system information
flow	Show NetFlow information
glbl-pkt-cnt	Show global packet count

Command Mode

- /exec

show flow interface

show flow { interface [<intf>] | vlan [<vlan>] } [__readonly__ [{ TABLE_flow_interface [<intf_name>] [<vlan_id>] [<v4in_mon_name>] [<v4in_direction>] [<v4in_profile_id>] [<v6in_mon_name>] [<v6in_direction>] [<v6in_profile_id>] [<l2in_mon_name>] [<l2in_direction>] [<l2in_profile_id>] }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
interface	Flow interface information
intf	(Optional) Interface
vlan	Flow vlan information
vlan	(Optional) Vlan number
__readonly__	(Optional)
TABLE_flow_interface	(Optional) flow interface data
intf_name	(Optional) Interface
vlan_id	(Optional) VLAN ID
v4in_mon_name	(Optional) IPv4 Input monitor name
v4in_direction	(Optional) IPv4 Input direction
v4in_profile_id	(Optional) IPv4 Input profile id
v6in_mon_name	(Optional) IPv6 Input monitor name
v6in_direction	(Optional) IPv6 Input direction
v6in_profile_id	(Optional) IPv6 Input profile id
l2in_mon_name	(Optional) l2 Input monitor name
l2in_direction	(Optional) l2 Input direction
l2in_profile_id	(Optional) l2 Input profile id

Command Mode

- /exec

show flow monitor

show flow monitor [name] [<monitor> [cache [detailed]]] [__readonly__ [{ TABLE_flow_monitor <monitor> <use_count> [<description>] <record> <exporter1> <exporter2> <bucket_id> <src_addr> <dest_addr> <direction> <pkt_count> <byte_count> }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow Monitor
monitor	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
__readonly__	(Optional)
TABLE_flow_monitor	(Optional)
monitor	(Optional)
use_count	(Optional)
description	(Optional)
record	(Optional)
exporter1	(Optional)
exporter2	(Optional)
bucket_id	(Optional)
src_addr	(Optional)
dest_addr	(Optional)
direction	(Optional)
pkt_count	(Optional)
byte_count	(Optional)

Command Mode

- /exec

show flow record

show flow record [name] [{ <record> } | { netflow-original } | { netflow { protocol-port | layer2-switched { input } | { ipv4 | ipv6 | l2 } { original-input } } }] [__readonly__ [{ TABLE_flow_record <record> [<description>] <use_count> <template> [<match_ip_src>] [<match_ip_dst>] [<match_proto>] [<match_tos>] [<match_l4_src>] [<match_l4_dst>] [<match_ingress>] [<match_egress>] [<match_src_as_peer>] [<match_dst_as_peer>] [<match_ipv6_src>] [<match_ipv6_dst>] [<match_ipv6_flow>] [<match_ipv6_option>] [<match_ipv6_traffic>] [<match_l2_src>] [<match_l2_dst>] [<match_l2_src_vlan>] [<match_l2_dst_vlan>] [<match_l2_1q>] [<match_l2_cos>] [<match_l2_etype>] [<match_flow_dir_match>] [<match_ipv4v6_src>] [<match_ipv4v6_dst>] [<collect_src_as>] [<collect_dst_as>] [<collect_src_as_peer>] [<collect_dst_as_peer>] [<collect_fwd_status>] [<collect_ipv4_next_hop>] [<collect_ipv4_bgp_next>] [<collect_ipv6_next_hop>] [<collect_ipv6_bgp_next>] [<collect_tcp_flags>] [<collect_flow_dir>] [<collect_bytes>] [<collect_bytes_long>] [<collect_packets>] [<collect_packets_long>] [<collect_time_first>] [<collect_time_last>] [<collect_ingress_coll>] [<collect_egress_coll>] [<collect_sampler_id>] [<collect_ip_ver>] [<collect_packet_disp>] }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific Flow Record
record	(Optional) Specify a record
netflow-original	(Optional) Traditional IPv4 input NetFlow with origin ASs
netflow	(Optional) Traditional NetFlow collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input NetFlow
input	(Optional) Input NetFlow
protocol-port	(Optional) Protocol and Ports aggregation scheme
__readonly__	(Optional)
TABLE_flow_record	(Optional) flow record data
record	(Optional)
description	(Optional)

use_count	(Optional)
template	(Optional)
match_ip_src	(Optional)
match_ip_dst	(Optional)
match_proto	(Optional)
match_tos	(Optional)
match_l4_src	(Optional)
match_l4_dst	(Optional)
match_ingress	(Optional)
match_egress	(Optional)
match_src_as_peer	(Optional)
match_dst_as_peer	(Optional)
match_ipv6_src	(Optional)
match_ipv6_dst	(Optional)
match_ipv6_flow	(Optional)
match_ipv6_option	(Optional)
match_ipv6_traffic	(Optional)
match_l2_src	(Optional)
match_l2_dst	(Optional)
match_l2_src_vlan	(Optional)
match_l2_dst_vlan	(Optional)
match_l2_1q	(Optional)
match_l2_cos	(Optional)
match_l2_etype	(Optional)
match_flow_dir_match	(Optional)
match_ipv4v6_src	(Optional)
match_ipv4v6_dst	(Optional)
collect_src_as	(Optional)
collect_dst_as	(Optional)

collect_src_as_peer	(Optional)
collect_dst_as_peer	(Optional)
collect_fwd_status	(Optional)
collect_ipv4_next_hop	(Optional)
collect_ipv4_bgp_next	(Optional)
collect_ipv6_next_hop	(Optional)
collect_ipv6_bgp_next	(Optional)
collect_tcp_flags	(Optional)
collect_flow_dir	(Optional)
collect_bytes	(Optional)
collect_bytes_long	(Optional)
collect_packets	(Optional)
collect_packets_long	(Optional)
collect_time_first	(Optional)
collect_time_last	(Optional)
collect_ingress_coll	(Optional)
collect_egress_coll	(Optional)
collect_sampler_id	(Optional)
collect_ip_ver	(Optional)
collect_packet_disp	(Optional)

Command Mode

- /exec

show flow sw-monitor

show flow sw-monitor [name] [<monitorname> [cache [detailed]]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
sw-monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow Monitor
monitorname	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show flow timeout

show flow timeout [__readonly__ [<active_to>] [<inactive_to>] [<fast_to>] [<th_pkts>] [<agg_age_to>] <flush_cache_to>]

Syntax Description

show	Show running system information
flow	Show NetFlow information
timeout	Show NetFlow flow cache timeout values
__readonly__	(Optional)
active_to	(Optional)
inactive_to	(Optional)
fast_to	(Optional)
th_pkts	(Optional)
agg_age_to	(Optional)
flush_cache_to	(Optional)

Command Mode

- /exec

show forwarding adjacency

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] adjacency [mpls] [lisp] [nve] [<aif>] [<anh>] [detail | stats | platform] [module <module>] [__readonly__ [<adj-count>] [TABLE_adj { <fec> <nexthop> <rewinfo> <interface> <bgp_rnh> <bgp_orig_as> <bgp_peer_as> <pkts> <bytes> <exp> <src_addr> <dest_addr> <lisp_flags> <lisp_inst_id> <pltfm_key> <hh> <refcount> }] [TABLE_ip_adjacency { [<nh>] [<rwinfo>] [<intf>] [<intf_idx>] [<hhandle>] [<refcnt>] [<flags>] [<holder>] [<pbr_cnt>] [<wccp_cnt>] [<rewrite-p>] [TABLE_index { [<hw_adj>] [<cmn-idx>] [<lif>] [<buf-idx>] }] }]]

Syntax Description

show	
forwarding	display fib information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
lisp	(Optional) LISP adjacency information
nve	(Optional) VxLAN tunnel adjacency information
aif	(Optional) adjacency output interface
anh	(Optional) adjacency next hop
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
adj-count	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency

fec	(Optional) FEC info
nexthop	(Optional) next hop address
rewinfo	(Optional) rewrite information
interface	(Optional) output interface
bgp_rnh	(Optional) next hop address
bgp_orig_as	(Optional) bgp orig as
bgp_peer_as	(Optional) bgp peer as
exp	(Optional) exp mapping
pkts	(Optional) packet stats
bytes	(Optional) bytes stats
src_addr	(Optional) src address
dest_addr	(Optional) dest address
lisp_flags	(Optional) lisp flags
lisp_inst_id	(Optional) lisp instance id
pltfm_key	(Optional) platform key
hh	(Optional) Hardware Handle
refcount	(Optional) reference count
TABLE_ip_adjacency	(Optional) Table ip adjacency
nh	(Optional) next hop address
rwinfo	(Optional) rewrite information
intf	(Optional) output interface
intf_idx	(Optional) Interface index
hhandle	(Optional) Hw Handle
refcnt	(Optional) reference count
flags	(Optional) Adjacency flags
holder	(Optional) Holder bitmap
pbr_cnt	(Optional) PBR count
wccp_cnt	(Optional) WCCP count
rewrite-p	(Optional) Rewrite pointer

TABLE_index	(Optional) HW index table
hw_adj	(Optional) v4 adj hw index
cmn-idx	(Optional) CMN Index
lif	(Optional) LIF
buf-idx	(Optional) Buffer index

Command Mode

- /exec

show forwarding bypass-hardware

show forwarding bypass-hardware [module <module>]

Syntax Description

show	
forwarding	fib information
bypass-hardware	bypass hardware
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding capture

show forwarding capture [module <module>] [__readonly__ <type><len><data>]

Syntax Description

show	
forwarding	display fib information
capture	display capture buffer
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)

Command Mode

- /exec

show forwarding dvif primary

show forwarding dvif primary

Syntax Description

show	show
forwarding	forwarding
dvif	simulate dvif region role change
primary	role has become primary

Command Mode

- /exec

show forwarding dvif secondary

show forwarding dvif secondary

Syntax Description

show	show
forwarding	forwarding
dvif	simulate dvif region role change
secondary	role has become secondary

Command Mode

- /exec

show forwarding ecmp

show forwarding ecmp [{ [vrf { <vrf-name> | <vrf-known-name> }] lisp }] [platform] [module <module>] [partial] [__readonly__ [<header> <ecmp_hash> <intf> <nh> <v6nh> <hw_index> <num_mpls> <holder> <refcount> <num_paths> <sw_ptr> <ecmp_partial>] [TABLE_ecmp { [<hash>] [<num_paths>] [<hwindex>] [<ecmppartial>] [TABLE_index { [<ecmp_idx>] [<cmn_idx>] }] [<refcnt>] [<ecmp_holder>] } [TABLE_adjacency { [<intf>] [<nh>] [<v6nh>] [<hw_adj_idx>] [<hw_cmn_idx>] [<lif>] [<hw_nve_adj_idx>] [<hw_nve_cmn_idx>] [<nve_lif>] }] [<vobj_count>] [<vxlan_vobj_count>] [<vxlan>] [<vobj_list_header>] [<vobj-id>]]]

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
lisp	(Optional) Show information about LISP ECMPs
platform	(Optional) one command to show pi and pd info together
module	(Optional) slot
partial	(Optional) Show partially installed ECMPs
module	(Optional) slot number
__readonly__	(Optional)
header	(Optional) o/p header
ecmp_hash	(Optional) ecmp hash
intf	(Optional) interface
nh	(Optional) next hop
v6nh	(Optional) V6 next hop
hw_index	(Optional) Hw index
num_mpls	(Optional) No of MPLS ecmp
holder	(Optional) holder bitmap
refcount	(Optional) refcount
sw_ptr	(Optional) Software pointer

num_paths	(Optional) No of paths
ecmp_partial	(Optional) partial ecmp
TABLE_ecmp	(Optional) ecmp table
hash	(Optional) ecmp hash
num_paths	(Optional) No of paths
hwindex	(Optional) Hw index
ecmppartial	(Optional) partial ecmp
TABLE_index	(Optional) index table
ecmp_idx	(Optional) hw ecmp index
cmn_idx	(Optional) cmn index
refcnt	(Optional) refcount
ecmp_holder	(Optional) holder bitmap
TABLE_adjacency	(Optional) adjacency table
intf	(Optional) interface
nh	(Optional) next hop
v6nh	(Optional) v6 next hop
hw_adj_idx	(Optional) hw adj index
hw_cmn_idx	(Optional) hw cmn index
lif	(Optional) lif
hw_nve_adj_idx	(Optional) nve adj index
hw_nve_cmn_idx	(Optional) nve cmn index
nve_lif	(Optional) nve lif
vobj_count	(Optional) vobj count
vxlan_vobj_count	(Optional) vxlan vobj count
vxlan	(Optional) vxlan
vobj_list_header	(Optional) vobj list header
vobj-id	(Optional) vobj id

Command Mode

- /exec

show forwarding ecmp recursive

show forwarding ecmp recursive [platform] [max-display-count <display_count>] [module <module>] [partial] [__readonly__ [TABLE_vobj { [<header_vobj>] [<header_ecmp>] } [TABLE_vobj_idx { [<hw_vobj_index>] [<cmn_index>] }] [<num_pfxs>] [<ecmp_partial>] [<activepath_hdr>] [TABLE_activepath { [<ap_nh>] [<ap_v6nh>] [<ap_rnh_len>] [<ap_nh_vpn_label>] [<ap_rnh_table_id>] [<ap_nh_weight>] }] [<backuppath_hdr>] [TABLE_backuppath { [<bp_nh>] [<bp_v6nh>] [<bp_nh_vpn_label>] [<bp_rnh_table_id>] [<bp_nh_weight>] }] [<cnh_hdr>] [TABLE_cnh { [<nh>] [<v6nh>] [<intf>] [TABLE_cnh_adj { [<hw_adj>] [<hw_cmn_index>] [<lif>] }] }] [<hw_inst_n>] [<ls_count_n>] [<hw_inst_o>] [<ls_count_o>] [<fec_type>] [<header_fec_ecmp>] [<hw_vobj_fec_idx>] [<cmn_idx>] [<vobj_hw_inst_n>] [<vobj_ls_count_n>] [<vobj_hw_inst_o>] [<vobj_ls_count_o>] [<vobj_refcount>]]]

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
recursive	Show information about recursive ECMPs
platform	(Optional) one command to show pi and pd info together
module	(Optional) slot
partial	(Optional) Show partially installed ECMPs
module	(Optional) slot number
max-display-count	(Optional) displays max # of routes
display_count	(Optional) count
__readonly__	(Optional)
TABLE_vobj	(Optional) Table vobj
header_vobj	(Optional) vobj o/p header
header_ecmp	(Optional) ecmp o/p header
TABLE_vobj_idx	(Optional) Table vobj index
hw_vobj_index	(Optional) HW VOBJ Index
cmn_index	(Optional) cmn index
num_pfxs	(Optional) Number of prefixes using this virtual object
ecmp_partial	(Optional) partial ecmp
activepath_hdr	(Optional) o/p header

TABLE_activepath	(Optional) table active path
ap_nh	(Optional) Next hop info
ap_v6nh	(Optional) v6 Next hop info
ap_rnh_len	(Optional) Next hop mask length
ap_nh_vpn_label	(Optional) NH VPN label
ap_rnh_table_id	(Optional) The table id where the RNHs are present
ap_nh_weight	(Optional) weighted ecmp info
backuppath_hdr	(Optional) o/p header
TABLE_backuppath	(Optional) backup path table
bp_nh	(Optional) Next hop info
bp_v6nh	(Optional) v6 Next hop info
bp_nh_vpn_label	(Optional) NH VPN label
bp_rnh_table_id	(Optional) The table id where the RNHs are present
bp_nh_weight	(Optional) weighted ecmp info
cnh_hdr	(Optional) o/p header
TABLE_cnh	(Optional) cnh table
nh	(Optional) Next hop info
v6nh	(Optional) v6 Next hop info
intf	(Optional) cnh output interface
TABLE_cnh_adj	(Optional) Table cnh adjacency
hw_adj	(Optional) cnh hw adjacency
hw_cmn_index	(Optional) cnh hw cmn idx
lif	(Optional) lif
hw_inst_n	(Optional) Hardware instance info new
ls_count_n	(Optional) ls count new
hw_inst_o	(Optional) Hardware instance info old
ls_count_o	(Optional) ls count old
fec_type	(Optional) fec type
header_fec_ecmp	(Optional) o/p header

hw_vobj_fec_idx	(Optional) hw fec idx
cmn_idx	(Optional) cmn idx
vobj_hw_inst_n	(Optional) vobj hw instance
vobj_ls_count_n	(Optional) ls count new
vobj_hw_inst_o	(Optional) hw instnace info old
vobj_ls_count_o	(Optional) ls count old
vobj_refcount	(Optional) vobj refcount

Command Mode

- /exec

show forwarding file-log disable

show forwarding file-log disable

Syntax Description

show	show
forwarding	forwarding
file-log	logging to tmp file
disable	disable

Command Mode

- /exec

show forwarding file-log enable

show forwarding file-log enable

Syntax Description

show	show
forwarding	forwarding
file-log	logging to tmp file
enable	enable

Command Mode

- /exec

show forwarding interfaces

show forwarding interfaces [module <module>] [__readonly__ <intf> <v4adjcnt> <v6adjcnt> <rpfmode> <mac>]

Syntax Description

show	
forwarding	fib information
interfaces	show fib interface info
__readonly__	(Optional)
intf	(Optional) interface name
module	(Optional) slot
module	(Optional) slot number
v4adjcnt	(Optional) count of v4 adjacencies
v6adjcnt	(Optional) count of v6 adjacencies
mac	(Optional) mac address
rpfmode	(Optional) uRPF mode

Command Mode

- /exec

show forwarding ipv6 adjacency

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 adjacency [mpls] [<aif>] [<anh>] [detail | stats | platform] [module <module>] [__readonly__ [<adj-count>] [TABLE_adj { <fec> <nexthop> <rewinfo> <interface> <pkts> <bytes> <bgp_rnh> <bgp_orig_as> <bgp_peer_as> <hh> <refcount> }] [TABLE_v6_adj { [<nh>] [<rwinfo>] [<intf>] [<intf_idx>] [<hh>] [<refcnt>] [<flags>] [<holder>] [<pbr_cnt>] [<wccp_cnt>] [TABLE_index { [<hw_adj>] [<cmn-idx>] [<lif>] }] }]]

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
aif	(Optional) adjacency output interface
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
adj-count	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency
fec	(Optional) FEC info
nexthop	(Optional) next hop address
rewinfo	(Optional) rewrite information
interface	(Optional) output interface
pkts	(Optional) packet stats

bytes	(Optional) bytes stats
bgp_rnh	(Optional) next hop address
bgp_orig_as	(Optional) bgp orig as
bgp_peer_as	(Optional) bgp peer as
hh	(Optional) Hardware Handle
refcount	(Optional) reference count
TABLE_v6_adj	(Optional) Table Adjacency
nh	(Optional) next hop address
rwinfo	(Optional) rewrite information
intf	(Optional) output interface
intf_idx	(Optional) Interface index
hh	(Optional) Hardware Handle
refcnt	(Optional) reference count
flags	(Optional) Adjacency flags
holder	(Optional) Holder bitmap
pbr_cnt	(Optional) PBR count
wccp_cnt	(Optional) WCCP count
TABLE_index	(Optional) HW index table
hw_adj	(Optional) v4 adj hw index
cmn-idx	(Optional) CMN Index
lif	(Optional) LIF

Command Mode

- /exec

show forwarding ipv6 multicast route

show forwarding [vrf { <vrf-name> | <vrf-known-name> | all } | table <tab_id>] ipv6 multicast route { [group { <group> | <group_addr> } | source { <source> | <source_addr> } | module <module> | vrf { <vrf-name> | all }] + | summary [module <module> | vrf { <vrf-name> | <vrf-known-name> | all }] + } [__readonly__ <table_type> <num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes> <num_prefix_insert_fail> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif> <address> <flag> <route_pkts> <route_bytes>]

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
multicast	IPV6 related Multicast information
route	Multicast route information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
tab_id	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	display route counts
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
table_type	(Optional) Table Type
num_routes	(Optional) Number of routes
num_starg_routes	(Optional) Number of (*,G) routes
num_sg_routes	(Optional) Number of (S,G) routes
num_gprefix_routes	(Optional) Number of (*,G-prefix) routes

num_prefix_insert_fail	(Optional) Prefix insert fail count
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
address	(Optional) Ipv6 address string
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
flag	(Optional) Route type flag
route_pkts	(Optional) Route packet count
route_bytes	(Optional) Route bytes

Command Mode

- /exec

show forwarding ipv6 pss route

show forwarding [vrf { <vrf-name> | <vrf-known-name> } | table <table_id>] ipv6 pss route [module <module>]

Syntax Description

show	show
forwarding	forwarding
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
table	(Optional) display info per vpn-id
table_id	(Optional) table number
ipv6	ipv6
pss	display info from pss
route	route
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding ipv6 route

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] ipv6 { route | rnhdb } [recursive] [detail | summary | platform | partial | <prefix> [longer-prefixes] [detail | platform] | <address> [detail | platform] | interface <interface> | next-hop <nh> | attached | unresolved | adjacency { <aif> <anh> | drop | glean | punt }] [max-display-count <display_count>] [module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ [TABLE_vrf { [<vrfname>] [<tblname>] [<tableid>] [<prefix_count>] [TABLE_prefix { [<pfx>] [TABLE_path { [<nexthop> | <special>] [<intf>] [<route_count>] [<path_count>] [<mask_length>] [<routes_per_mask>] }] [<hw_handle>] [<flags>] [<holder>] [<nxt_obj_type>] [<hw_idx_v6adj>] [<cmn-idx>] [<lif>] [<buf-idx>] }] }]]

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table id in hex
ipv6	ipv6
route	display IP routing table
platform	(Optional) one command to show pi and pd info together
rnhdb	rnhdb
recursive	(Optional) display routes with recursive next hops
detail	(Optional) show detailed information about the routes
summary	(Optional) display route counts
partial	(Optional) display routes with partial ECMPs
longer-prefixes	(Optional) display longer prefixes
interface	(Optional) display routes with this output i/f only
interface	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
attached	(Optional) display directly connected routes

unresolved	(Optional) display unresolved routes
adjacency	(Optional) display routes via specified adjacency
aif	(Optional) adjacency output interface
drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
module	(Optional) slot number
max-display-count	(Optional) displays max # of routes
display_count	(Optional) count
__readonly__	(Optional)
TABLE_vrf	(Optional) vrf table
vrfname	(Optional) VRF name
tblname	(Optional) table name
tableid	(Optional) table id
prefix_count	(Optional) total number of prefix in VRF
TABLE_prefix	(Optional) all xml prefix entries
pfx	(Optional) ipv6 prefix
TABLE_path	(Optional) path table
nexthop	(Optional) next hop address
special	(Optional) special adjacencies
intf	(Optional) output interface
hw_handle	(Optional) hw handle
flags	(Optional) flags
holder	(Optional) holder
nxt_obj_type	(Optional) next obj type
hw_idx_v6adj	(Optional) v6 adj hw idx
cmn-idx	(Optional) cmn idx
lif	(Optional) lif

buf-idx	(Optional) buf idx
route_count	(Optional) total number of routes in VRF
path_count	(Optional) total number of paths in VRF
mask_length	(Optional) length of mask
routes_per_mask	(Optional)

Command Mode

- /exec

show forwarding kvfib cache on

show forwarding kvfib cache { on | off }

Syntax Description

show	
forwarding	fib information
kvfib	kvfib
cache	cache
on	set variable
off	reset variable

Command Mode

- /exec

show forwarding l2 multicast

show forwarding l2 multicast { [{ vlan <vlan-id> [{ group <grpaddr> source <srcaddr> } | destination-mac <dstmac>] }] } [vdc <vdc-id>] [module <num>] [__readonly__ <epoch> <resource_id> <dest_index> <hw_handle> <dmac> <text> <value>]

Syntax Description

show	Show running system information
forwarding	Forwarding information
l2	L2 related information
multicast	Multicast related information
vlan	(Optional) Information Specific to a Vlan
vlan-id	(Optional) Vlan id value
group	(Optional) (S,G) specific information
grpaddr	(Optional) Group address
source	(Optional) source specific information
srcaddr	(Optional) Source address
destination-mac	(Optional) Destination MAC address
dstmac	(Optional) Ethernet MAC address
vdc	(Optional) VDC
vdc-id	(Optional) VDC id
module	(Optional) Slot
num	(Optional) Slot number
__readonly__	(Optional)
resource_id	(Optional) Resource Identifier
dest_index	(Optional) Destination Index Identifier
epoch	(Optional) Epoch number
hw_handle	(Optional) Hardware Handle
dmac	(Optional) Destination MAC address
text	(Optional) String
value	(Optional) Value

Command Mode

- /exec

show forwarding l2vpn ipv6 multicast route

show forwarding l2vpn ipv6 multicast route [[vlan <vlan-id>] | [softwarebd <software-bd>]] [module <module>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	Layer 2 VPN
ipv6	ipv6
multicast	Multicast IPv6 information
route	Mcast route information
vlan	(Optional) vlan
softwarebd	(Optional) Software Bridge Domain
vlan-id	(Optional) vlan id
software-bd	(Optional) Software bd
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn label vpls

show forwarding l2vpn label [<label_id>] vpls [module module] [__readonly__ <label_id>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
label_id	(Optional) VC label
vpls	VPLS
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
label_id	(Optional) Label ID

Command Mode

- /exec

show forwarding l2vpn label xconnect

show forwarding l2vpn label [<label_id>] xconnect [module module] [__readonly__ <label_id>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
label_id	(Optional) VC label
xconnect	xconnect or VPWS
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
label_id	(Optional) Label ID

Command Mode

- /exec

show forwarding l2vpn multicast outgoing-interface-list

show forwarding l2vpn multicast outgoing-interface-list [index <oiflist-index>]

Syntax Description

show	
forwarding	Forwarding information
l2vpn	Layer 2 VPN
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
index	(Optional) oiflist index
oiflist-index	(Optional) oiflist-index

Command Mode

- /exec

show forwarding l2vpn multicast route

show forwarding l2vpn multicast route [[vlan <vlan-id>] | [softwarebd <software-bd>]] [module <module>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	Layer 2 VPN
multicast	Multicast IPv4 information
route	Mcast route information
vlan	(Optional) vlan
softwarebd	(Optional) Software Bridge Domain
vlan-id	(Optional) vlan id
software-bd	(Optional) Software bd
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn service vpls

show forwarding l2vpn service vpls { { service_id { <service_id> | all } } | { vlan { <vlan_id> | vlan_all } } | { peer { { interface <intf-name> | next-hop <addr> | peer_all } } } } [module <module>] [detail]

Syntax Description

show	show
forwarding	display fib information
l2vpn	l2vpn forwarding
service	Services
vpls	Vpls
service_id	Specifies a service_id
service_id	service ID
all	all VPLS services
vlan	VLAN info
vlan_id	VLAN number
vlan_all	all VPLS services
peer	define the peer
peer_all	all peers
interface	PW interface for peer
intf-name	interface name
next-hop	Next hop to reach the peer
addr	IP address
module	(Optional) slot
module	(Optional) slot number
detail	(Optional) Display detailed information

Command Mode

- /exec

show forwarding l2vpn service xconnect

show forwarding l2vpn service xconnect { service_id { <service_id> | all } } [module <module>] [detail]

Syntax Description

show	show
forwarding	display fib information
l2vpn	l2vpn forwarding
service	Services
xconnect	xconnect or VPWS
service_id	Specify a service_id in hex
service_id	service ID
all	All service-id will be displayed
module	(Optional) slot
module	(Optional) slot number
detail	(Optional) Display detailed information

Command Mode

- /exec

show forwarding l2vpn vlan

show forwarding l2vpn vlan [<vlan_id>] [module <module>] [__readonly__ <vlan>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
vlan	vlan
vlan_id	(Optional) vlan id
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
vlan	(Optional) vlan

Command Mode

- /exec

show forwarding mpls

show forwarding mpls [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } [label <label-id> | <prefix> | <v6prefix>] | table <table_id> [label <label-id> | <prefix> | <v6prefix>] | label-space <label-space-id> | label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform] [__readonly__ [{ TABLE_mpls <label> [<out-table-id>] [<fec>] [<out-ip>] [<out-intf>] [<out-label>] [<out-op>] [<hh>] [<ref-count>] [<in-pkts>] [<in-bytes>] [<out-pkts>] [<out-bytes>] }]]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known vrf name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
label-space	(Optional) label space
label-space-id	(Optional) label space id
label	(Optional) mpls labels
label-id	(Optional) mpls label value
prefix	(Optional) Labels for single exact match route
module	(Optional) slot
module	(Optional) slot number
stats	(Optional) Label Statistics
implicit	(Optional) Display implicit label
platform	(Optional) Display platform information
__readonly__	(Optional)
TABLE_mpls	(Optional)
label	(Optional) mpls label value
out-table-id	(Optional) Output table-id

fec	(Optional) Prefix/Tunnel ID
out-ip	(Optional) Output Next Hop
out-intf	(Optional) Output Interface
out-label	(Optional) Output Label
out-op	(Optional) Output Label op
hh	(Optional) Hardware Handle
ref-count	(Optional) Ref Count
in-pkts	(Optional) Label Input Packet Stats
in-bytes	(Optional) Label Input Bytes Stats
out-pkts	(Optional) Label Output Packet Stats
out-bytes	(Optional) Label Output Bytes Stats

Command Mode

- /exec

show forwarding mpls aggregate

show forwarding mpls aggregate [label { <label-id> | all }] [detail] [module <module>] [__readonly__ [{ TABLE_label_info <label> <id> [<sw_index>] }]]

Syntax Description

show	
forwarding	display fib information
mpls	mpls forwaring
aggregate	aggregate label
label	(Optional) label
label-id	(Optional) label-id
all	(Optional) all
detail	(Optional) detail
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
TABLE_label_info	(Optional)
label	(Optional)
id	(Optional)
sw_index	(Optional)

Command Mode

- /exec

show forwarding mpls cbts

show forwarding mpls cbts [module <module>] [__readonly__ [{ TABLE_cbts <label> [<out-intf>] [<out-table-id>] [<out-ip>] [<out-op>] }]]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwaring
cbts	cbts labels
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
TABLE_cbts	(Optional)
label	(Optional) mpls label value
out-intf	(Optional) Output Interface
out-table-id	(Optional) Output table-id
out-ip	(Optional) Output Next Hop
out-op	(Optional) Output Label op

Command Mode

- /exec

show forwarding mpls drop-stats

show forwarding mpls drop-stats [platform | label0-fwd-stats] [__readonly__ <pkts> <bytes>]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
drop-stats	MPLS dropped packets
platform	(Optional) command to display stats per chip
label0-fwd-stats	(Optional) command to display stats for label0
__readonly__	(Optional)
pkts	(Optional) Label Packet Stats
bytes	(Optional) Label Bytes Stats

Command Mode

- /exec

show forwarding mpls ecmp

show forwarding mpls ecmp [module <module>] [platform] [__readonly__ [{ TABLE_ecmp <type> <num_paths> <ip_paths> <mpls_paths> <ecmp_hash> <holder> <refcount> <hw_index> [{ TABLE_ecmp_paths <out-intf> <out-ip> <label_info> <hh> <refcount> }] }]]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
ecmp	mpls ecmps
module	(Optional) slot
module	(Optional) slot number
platform	(Optional) show pd info
__readonly__	(Optional)
TABLE_ecmp	(Optional)
type	(Optional) ecmp type
num_paths	(Optional) No of paths
ip_paths	(Optional) No of ip paths
mpls_paths	(Optional) No of mpls paths
ecmp_hash	(Optional) ecmp hash
holder	(Optional) holder bitmap
refcount	(Optional) refcount
hw_index	(Optional) Hw index
TABLE_ecmp_paths	(Optional)
out-intf	(Optional) Output Interface
out-ip	(Optional) Output Next Hop
label_info	(Optional) rew info
hh	(Optional) Hardware Handle
refcount	(Optional) refcount

Command Mode

- /exec

show forwarding mpls summary

show forwarding mpls summary [module <module>] [__readonly__ [{ TABLE_labels <space> <count> } <total_deagg_labels> <total_deagg_labels>]]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
summary	summary
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
TABLE_labels	(Optional)
space	(Optional) label space
count	(Optional) number of labels
total_deagg_labels	(Optional) total deagg labels
total_deagg_labels	(Optional) total deagg labels

Command Mode

- /exec

show forwarding mpls te

show forwarding mpls te [<te_if>] [detail] [module <module>] [__readonly__ { TABLE_te <id> [<midpoint_source>] [<dest>] [<tunnel_id>] [<ext_tunnel_id>] [<lisp_id>] [<adjacency>] [<hh>] [<lfib_adj>] [<adj_refcount>] [<obj_refcount>] [<te_state>] [<next_hop>] [<next_if_index>] [<op_label>] [<backup_tunnel>] [<adj_key_id>] [<frr_label>] [<local_label>] [<adj_count>] [<type>] [<out_if>] [<out_lbl>] [<backup_if>] [<backup_lbl>] }]

Syntax Description

show	
forwarding	display fib information
mpls	mpls forwarding
te	Traffic Engineering
detail	(Optional) detail
module	(Optional) slot
te_if	(Optional) tunnel-te number
module	(Optional) slot number
__readonly__	(Optional)
TABLE_te	(Optional)
id	(Optional) headend if index
midpoint_source	(Optional)
dest	(Optional)
tunnel_id	(Optional)
ext_tunnel_id	(Optional)
lisp_id	(Optional)
adjacency	(Optional)
hh	(Optional) HH
lfib_adj	(Optional) lfib adjavency is drop
adj_refcount	(Optional)
obj_refcount	(Optional)
te_state	(Optional)
next_hop	(Optional)

next_if_index	(Optional)
op_label	(Optional)
backup_tunnel	(Optional)
adj_key_id	(Optional)
frr_label	(Optional)
local_label	(Optional)
adj_count	(Optional) te related adj count
type	(Optional)
out_if	(Optional)
out_lbl	(Optional)
backup_if	(Optional)
backup_lbl	(Optional)

Command Mode

- /exec

show forwarding multicast-sr loopback interface

show forwarding multicast-sr loopback interface

Syntax Description

show	
forwarding	display fib information
multicast-sr	multicast service reflect information
interface	loopback interface
loopback	loopback interface

Command Mode

- /exec

show forwarding multicast outgoing-interface-list

show forwarding multicast outgoing-interface-list { L2 | L3 | vxlan-encap } [platform] [module <module>] [<index>] [__readonly__ <refcount> <num_oif> <intf> <encap_id> <slot><total_l2_oiflist><total_l3_oiflist><oiflist_idx> <hw_oiflist_idx><mcidx>]

Syntax Description

show	
forwarding	Forwarding information
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
L2	Layer 2 oiflist
L3	Layer 3 oiflist
vxlan-encap	vxlan-encap oiflist
platform	(Optional) Display PI/PD
module	(Optional) slot
module	(Optional) slot number
index	(Optional) Outgoing Interface List Index
__readonly__	(Optional)
refcount	(Optional) Reference count
num_oif	(Optional) Number of outgoing interfaces
intf	(Optional) OIF name
encap_id	(Optional) encap_id

Command Mode

- /exec

show forwarding multicast route

show forwarding [vrf { <vrf-name> | <vrf-known-name> | all } | table <table_id>] [ip | ipv4] multicast route [platform] { [group { <gaddr> [<mask>] | <gprefix> } | source { <saddr> [<smask>] | <sprefix> } | module <module> | vrf { <vrf-name> | <vrf-known-name> | all }] + | summary [module <module> | vrf { <vrf-name> | <vrf-known-name> | all }] + } [__readonly__ <table_type> <vrfname> <num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes> <num_prefix_insert_fail> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif> <rpf_ifindex> <flag> <flag_value> <route_pkts> <route_bytes> <oiflist_id> <platform_id> <oif_count> <refcount> <oifname> <oifindex> <oif_pkts> <oif_bytes>]

Syntax Description

show	
forwarding	Forwarding information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
multicast	Multicast IPv4 information
route	Mcast route information
platform	(Optional) Platform Details
table	(Optional) display info per vpn-id
table_id	(Optional) table number
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
group	(Optional) Multicast IPv4 Group specific info
gaddr	(Optional) Multicast IPv4 Group Address
mask	(Optional) Multicast IPv4 Group Address mask
gprefix	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source specific info
saddr	(Optional) Multicast IPv4 Source Address
smask	(Optional) Multicast IPv4 Source Address mask
sprefix	(Optional) Multicast IPv4 Source Prefix

summary	display route counts
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
table_type	(Optional) Table Type
vrfname	(Optional) VRF name
num_routes	(Optional) Number of routes
num_starg_routes	(Optional) Number of (*,G) routes
num_sg_routes	(Optional) Number of (S,G) routes
num_gprefix_routes	(Optional) Number of (*,G-prefix) routes
num_prefix_insert_fail	(Optional) Prefix insert fail count
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
rpf_ifindex	(Optional) RPF Interface ifIndex
flag	(Optional) Route type flag
flag_value	(Optional) hex value of route flag
route_pkts	(Optional) Route packet count
route_bytes	(Optional) Route bytes
oiflist_id	(Optional) OIF list Identifier
platform_id	(Optional) Platform-index
oif_count	(Optional) Number of OIFs
refcount	(Optional) OIF list Reference Count
oifname	(Optional) OIF Interface name
oifindex	(Optional) OIF Interface ifIndex
oif_pkts	(Optional) OIF packets

oif_bytes	(Optional) OIF bytes

Command Mode

- /exec

show forwarding nve l2 ingress-replication-peers

show forwarding nve l2 ingress-replication-peers [<peer_ip>] + [__readonly__ { TABLE_VLAN <vlan_id> <plt_space> <peer> + } { TABLE_PSS_VLAN <vlan_pss_id> <VNI> <vtep> <peercnt> <pss_peer> + <marked> + }]

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l2	L2 info
ingress-replication-peers	ingress replication peer info
peer_ip	(Optional) show detailed info of a peer
__readonly__	(Optional)
TABLE_VLAN	(Optional) vlan peer ids table
vlan_id	(Optional) vlan id
plt_space	(Optional) platform space
peer	(Optional) peer_address
TABLE_PSS_VLAN	(Optional) vlan-peer in pss
vlan_pss_id	(Optional) pss_peer_id
VNI	(Optional) vni
vtep	(Optional) vtep
peercnt	(Optional) peer count
pss_peer	(Optional) peer address
marked	(Optional) marked

Command Mode

- /exec

show forwarding nve l3 adjacency tunnel

show forwarding nve l3 adjacency tunnel <tunnel_id> [bd <bd_id> | detail | module <num> | table <table_id>] [__readonly__ { print_header_output <header_output> } { print_mark_output <mark_output> } [{ TABLE_nvel3adj <tunnel_id> <bd_id> <table_id> <VNI> <Drop> <Refcount> <Origin> <State> <Del> [<sw_index> <hw_index0> <hw_index1> <hw_index2>] }]]

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
tunnel	VXLAN tunnel
tunnel_id	tunnel_id
bd	(Optional) BD info
bd_id	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
num	(Optional) Slot/module number
table	(Optional) Tenant table-id
table_id	(Optional) tenant table-id
__readonly__	(Optional)
print_header_output	(Optional) Header Output Format
header_output	(Optional) Print header output
print_mark_output	(Optional) highlight the header Format output
mark_output	(Optional) Mark header output
TABLE_nvel3adj	(Optional)
tunnel_id	(Optional) tunnel_id
bd_id	(Optional) bd id
table_id	(Optional) tenant table-id

VNI	(Optional) vni
Drop	(Optional) Drop
Refcount	(Optional) Refcount
Origin	(Optional) origin
State	(Optional) state
Del	(Optional) del
sw_index	(Optional)
hw_index0	(Optional)
hw_index1	(Optional)
hw_index2	(Optional)

Command Mode

- /exec

show forwarding nve l3 ecmp

show forwarding nve l3 ecmp

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
ecmp	nve ecmp info

Command Mode

- /exec

show forwarding nve l3 peers

show forwarding nve l3 peers [peers <peer_id> | tunnel <tunnel_id> | detail | module <num>] + [__readonly__ { TABLE_l3peers <tunnel_id> <peer_id> <peer_address> <interface> <rmac> <origin> <state> <del> <count> }]

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l3	Layer 3
peers	nve peers
peer_id	(Optional) nve peer-id
tunnel	(Optional) VXLAN tunnel
tunnel_id	(Optional) Unique identifier for the tunnel
detail	(Optional) Show detailed information
module	(Optional) Slot/module
num	(Optional) Slot/module number
__readonly__	(Optional)
TABLE_l3peers	(Optional) all l3 nve peers
tunnel_id	(Optional) tunnel_id
peer_id	(Optional) peer_id
peer_address	(Optional) peer_address
interface	(Optional) interface
rmac	(Optional) rmac
origin	(Optional) origin
state	(Optional) state
del	(Optional) del
count	(Optional) count

Command Mode

- /exec

show forwarding nve underlay-interfaces

show forwarding nve underlay-interfaces

Syntax Description

show	show
forwarding	display fib information
nve	NVE related info
underlay-interfaces	underlay interfaces info

Command Mode

- /exec

show forwarding otv

show forwarding otv <intf> [peer <peer-id>] [module <module>] [__readonly__ <vlan> <peer-id> <peer_vlan_count><tunnel_ifindex><tunnel_ifname>]

Syntax Description

show	
forwarding	fib information
otv	overlay-transport-virtualization
intf	overlay interface
peer	(Optional) overlay peer
peer-id	(Optional) overlay peer-id
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
vlan	(Optional) Vlan information
peer-id	(Optional) peer-id

Command Mode

- /exec

show forwarding pss route

show forwarding [vrf { <vrf-name> | <vrf-known-name> } | table <table_id>] [ip | ipv4] pss route [module <module>]

Syntax Description

show	show
forwarding	forwarding
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
table	(Optional) display info per vpn-id
table_id	(Optional) table number
ip	(Optional) ipv4
ipv4	(Optional) ipv4
pss	display info from pss
route	route
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding restart

show forwarding restart [module <module>]

Syntax Description

show	
forwarding	fib information
restart	restart fib
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding route

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [ip | ipv4] { route | rnhdb } [recursive] [summary | detail | platform | partial | <prefix> [longer-prefixes] [detail | platform] | <address> [detail | platform] |

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table id in hex
ip	(Optional) ipv4
ipv4	(Optional) ipv4
route	display IP routing table
rnhdb	rnh-db
recursive	(Optional) display routes with recursive next hops
partial	(Optional) display routes with partial ECMPs
summary	(Optional) display route counts
prefix	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
address	(Optional) display single longest match route
detail	(Optional) show detailed information about the routes
platform	(Optional) one command to show pi and pd info together

Command Mode

- /exec

show forwarding security group-tag

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> | vlan <vlan_id>] [ip | ipv4] security group-tag [<addr>] [module <num> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ <header> <vrfname> <tid> <pfx-count> <ipa> <tag> <tv> <vid>]

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
vlan	(Optional) vlan
vlan_id	(Optional) vlan number
ip	(Optional) ipv4
ipv4	(Optional) ipv4
security	display IP security information
group-tag	ip_address->security_group_tag
addr	(Optional) specific ip address
module	(Optional) slot
__readonly__	(Optional)
header	(Optional) header string
vrfname	(Optional) VRF name
tid	(Optional) table identifier
num	(Optional) module number
pfx-count	(Optional) total prefix count in VRF
ipa	(Optional) ip address
tag	(Optional) security group tag

tv	(Optional) sgt valid
vid	(Optional) vlan indentifier

Command Mode

- /exec

show forwarding security mac

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [ip | ipv4] security mac [<addr>] [module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ <header> <vrfname> <tid> <pfx-count> <ipa> <mac> <p> <m> <v> <intf>]

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
ip	(Optional) ipv4
ipv4	(Optional) ipv4
security	display IP security information
mac	ip_address->mac_address
addr	(Optional) specific ip address
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
header	(Optional) header string
vrfname	(Optional) VRF name
tid	(Optional) table identifier
pfx-count	(Optional) total prefix count in VRF
ipa	(Optional) ip address
mac	(Optional) mac address
p	(Optional) 1 => ip->port binding
m	(Optional) 1 => ip->mac binding

v	(Optional) 1 => ip->vlan binding
intf	(Optional) ip->port interface

Command Mode

- /exec

show forwarding test on

show forwarding test { on | off } [module <module>]

Syntax Description

show	
forwarding	fib information
test	show test variable
on	set variable
off	reset variable
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding trace

show forwarding trace [clear] [module <module>] [__readonly__ <op>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
clear	(Optional) clear the trace buffer
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
op	(Optional) output

Command Mode

- /exec

show forwarding trace profile

show forwarding trace profile

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information

Command Mode

- /exec

show forwarding trace profile funcstats

show forwarding trace profile funcstats [enable | disable] [module <module>] [__readonly__ <op>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information
funcstats	function statistics
enable	(Optional) enable function statistics
disable	(Optional) disable function statistics
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
op	(Optional) output

Command Mode

- /exec

show fte event

show fte event [name] [{ <eventname> }] [__readonly__ <event> <description> <use_count>]

Syntax Description

show	Show running system information
fte	Show FTE information
event	Show Event Configuration
name	(Optional) Show the configuration for a specific FTE Event
eventname	(Optional) Specify a event
__readonly__	(Optional)
event	(Optional)
description	(Optional)
use_count	(Optional)

Command Mode

- /exec

show fte event

show fte event [name] [{ <eventname> }] [__readonly__ <event> <description> <use_count>]

Syntax Description

show	Show running system information
fte	Show FTE information
event	Show Event Configuration
name	(Optional) Show the configuration for a specific FTE Event
eventname	(Optional) Specify a event
__readonly__	(Optional)
event	(Optional)
description	(Optional)
use_count	(Optional)

Command Mode

- /exec

show fte exporter

show fte exporter [name] [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip>]

Syntax Description

show	Show running system information
fte	Show FTE information
exporter	Show FTE Exporter Configuration
name	(Optional) Show a specific FTE Exporter
exportername	(Optional) Specify an exporter
__readonly__	(Optional)
exporter	(Optional)
description	(Optional)
dest	(Optional)
vrf	(Optional)
vrf_id	(Optional)
vrf_resolved	(Optional)
dest_udp	(Optional)
source_intf	(Optional)
source_ip	(Optional)

Command Mode

- /exec

show fte monitor

show fte monitor [name] [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <record> <event> <exporter1> <exporter2> <bucket_id> <src_addr> <dest_addr>]

Syntax Description

show	Show running system information
fte	Show FTE information
monitor	Show Monitor Configuration
name	(Optional) Show a specific FTE Monitor
monitorname	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
__readonly__	(Optional)
monitor	(Optional)
use_count	(Optional)
description	(Optional)
record	(Optional)
event	(Optional)
exporter1	(Optional)
exporter2	(Optional)
bucket_id	(Optional)
src_addr	(Optional)
dest_addr	(Optional)

Command Mode

- /exec

show fte record

show fte record [name] [{ <recordname> } | { fte-original } | { fte { protocol-port | layer2-switched { input } | { ipv4 | ipv6 | l2 } { original-input } } }] [__readonly__ <record> <description> <use_count>]

Syntax Description

show	Show running system information
fte	Show FTE information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific FTE Record
recordname	(Optional) Specify a record
fte-original	(Optional) Traditional IPv4 input FTE with origin ASs
fte	(Optional) Traditional FTE collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input FTE
input	(Optional) Input FTE
protocol-port	(Optional) Protocol and Ports aggregation scheme
__readonly__	(Optional)
record	(Optional)
description	(Optional)
use_count	(Optional)

Command Mode

- /exec