



F Commands

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

<i>completed_executing_all_commands_at</i>	(Optional) Profile applied by PPM
<i>sent_un_apply_to_configuration_manager_at</i>	(Optional) Profile un-apply sent to PPM
<i>completed_unapplying_all_commands_at</i>	(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
<i>vrf-name</i>	(Optional) VRF name
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(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
<i>vni-id</i>	(Optional)
dot1q	(Optional) Dot1Q Encapsulation
<i>vlan-id</i>	(Optional)
__readonly__	(Optional) Read Only
TABLE_database_host	(Optional) table show fabric database host {dot1q vni}
<i>trigger_source</i>	(Optional) TODO
<i>client_type</i>	(Optional) TODO

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

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

<i>vni_id</i>	(Optional) TODO Add comment
<i>state</i>	(Optional) TODO Add comment
<i>flag</i>	(Optional) TODO
<i>profile_name</i>	(Optional) TODO
<i>instance_name</i>	(Optional) TODO
<i>packet_arrival_time</i>	(Optional) TODO
<i>request_profile_time</i>	(Optional) TODO
<i>got_profile_time</i>	(Optional) TODO
<i>sent_to_PPM_time</i>	(Optional) TODO
<i>profile_apply_time</i>	(Optional) TODO
<i>del_to_PPM_time</i>	(Optional) TODO
TABLE_database_host_detail	(Optional) table show fabric database host detail
<i>interface</i>	(Optional) TODO
<i>encap</i>	(Optional) TODO
<i>flags</i>	(Optional) TODO
<i>state</i>	(Optional) TODO
<i>vsi_id</i>	(Optional) TODO
TABLE_extranet_vrf_entries	(Optional) table extranet VRF entries
<i>vrf</i>	(Optional) TODO
<i>l3_vni</i>	(Optional) TODO
<i>state</i>	(Optional) TODO
<i>profile</i>	(Optional) TODO
<i>instance</i>	(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
<i>data_snoop_triggers</i>	(Optional) TODO
<i>data_snoop_deletes</i>	(Optional) TODO
<i>data_snoop_responses</i>	(Optional) TODO
<i>vdp_association_requests</i>	(Optional) TODO
<i>vdp_deassociation_requests</i>	(Optional) TODO
<i>vdp_association_responses</i>	(Optional) TODO
<i>vdp_error_responses</i>	(Optional) TODO

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

<i>no_mac_on_bd_notif</i>	(Optional) TODO
<i>refresh_failures</i>	(Optional) TODO
<i>profile_apply_received</i>	(Optional) TODO
<i>profile_vpc_queued</i>	(Optional) TODO
<i>profile_local_apply_queued</i>	(Optional) TODO
<i>profile_local_unapply_queued</i>	(Optional) TODO
<i>profile_apply_sent</i>	(Optional) TODO
<i>profile_apply_responses</i>	(Optional) TODO
<i>profile_apply_success</i>	(Optional) TODO
<i>profile_unapply_success</i>	(Optional) TODO
<i>profile_apply_failure</i>	(Optional) TODO
<i>profile_commands</i>	(Optional) TODO
<i>profile_error_incomplete_configs</i>	(Optional) TODO
<i>profile_api_error</i>	(Optional) TODO
<i>profile_unapply_sent</i>	(Optional) TODO
<i>profile_top_queue_adds</i>	(Optional) TODO
<i>profile_high_queue_adds</i>	(Optional) TODO
<i>profile_low_queue_adds</i>	(Optional) TODO
<i>profile_unapply_failure</i>	(Optional) TODO
<i>outstanding_vlan_requests</i>	(Optional) TODO
<i>outstanding_adbm_requests</i>	(Optional) TODO
<i>outstanding_profile_applies</i>	(Optional) TODO
<i>outstanding_vpc_profile_applies</i>	(Optional) TODO
<i>node_recon_pending</i>	(Optional) TODO
<i>node_recon_attempts</i>	(Optional) TODO
<i>node_recon_failures</i>	(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
<i>number_of_instances_applied</i>	(Optional) TODO
<i>number_of_client_hosts</i>	(Optional) TODO
<i>recovery_timeout_minute</i>	(Optional) TODO
<i>cleanup_timeout_minute</i>	(Optional) TODO
<i>client_add_suppression_timeout_minute</i>	(Optional) TODO
<i>mac_aging_timeout_minute</i>	(Optional) TODO
<i>autoid_support</i>	(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
<i>intf-id</i>	(Optional) Name of interface
dot1q	(Optional) Dot1Q Encapsulation
<i>vlan-id</i>	(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)
<i>id</i>	(Optional) Profile Map ID
interface	(Optional) Specified interface to display
<i>interface-id</i>	(Optional) Name of interface
__readonly__	(Optional) Read Only
TABLE_database_profile_map	(Optional) table show fabric database profile-map
<i>map</i>	(Optional) TODO
<i>proto</i>	(Optional) TODO
<i>vni</i>	(Optional) TODO
<i>dot1q</i>	(Optional) TODO
<i>flags</i>	(Optional) TODO
<i>profile_name</i>	(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

<code>show</code>	Show running system information
<code>fabric</code>	Fabric
<code>database</code>	Fabric Database
<code>static-host</code>	Configured Static Hosts
<code>__readonly__</code>	(Optional) Read Only
<code>TABLE_database_static_host</code>	(Optional) table show fabric database static-host
<code>host_key</code>	(Optional) static-host key
<code>interface</code>	(Optional) interface name
<code>state</code>	(Optional) static-host state
<code>retry_delay</code>	(Optional) seconds until next retry
<code>retry_attempts</code>	(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
<i>dbtype</i>	(Optional) type of database
<i>requests</i>	(Optional) number of requests
<i>dispatched</i>	(Optional) number dispatched
<i>not_dispatched</i>	(Optional) number not dispatched
<i>re_dispatched</i>	(Optional) number re-dispatched
TABLE_dbs	(Optional) per-database stats
<i>is_active</i>	(Optional) active/inactive
<i>type</i>	(Optional) database type
<i>prot</i>	(Optional) database protocol
<i>serverdb</i>	(Optional) server database

<i>reqs</i>	(Optional) requests
<i>ok</i>	(Optional) OK
<i>nores</i>	(Optional) nores
<i>err</i>	(Optional) err
<i>tmout</i>	(Optional) tmout
<i>pend</i>	(Optional) pend
LastPollTime	(Optional) last poll time
<i>poll_time</i>	(Optional) poll time
LastUpdateTime	(Optional) last update time for db status change
<i>update_time</i>	(Optional) update time
TABLE_updates	(Optional) totals ty type
<i>update_type</i>	(Optional) db type
<i>update_status</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
<i>vrf</i>	(Optional) TODO
<i>vrf_id</i>	(Optional) TODO
<i>vrf_state</i>	(Optional) TODO
<i>vrf_reason</i>	(Optional) TODO
<i>vni_id</i>	(Optional) TODO
<i>refcount</i>	(Optional) TODO
<i>conversational_learning</i>	(Optional) TODO
TABLE_limit_type	(Optional) table for limit type
<i>limit_type</i>	(Optional) TODO
<i>enable</i>	(Optional) TODO
<i>threshold</i>	(Optional) TODO
<i>action</i>	(Optional) TODO

TABLE_ipv4	(Optional) Information for address family IPv4
<i>address_family</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>table_id</i>	(Optional) TODO
<i>table_state</i>	(Optional) TODO
<i>refcount</i>	(Optional) TODO
<i>local_hosts</i>	(Optional) TODO
<i>remote_hosts</i>	(Optional) TODO
<i>aggregates</i>	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
<i>aggregate_subnet_prefix_list</i>	(Optional) TODO
TABLE_ipv6	(Optional) Information for address family IPv6
<i>address_family</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>table_id</i>	(Optional) TODO
<i>table_state</i>	(Optional) TODO
<i>refcount</i>	(Optional) TODO
<i>local_hosts</i>	(Optional) TODO
<i>remote_hosts</i>	(Optional) TODO
<i>aggregates</i>	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
<i>aggregate_subnet_prefix_list</i>	(Optional) TODO
<i>aggregate_subnet_prefix_state</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>ip-prefix</i>	(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
<i>hmm_host</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>status_in</i>	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
<i>host</i>	(Optional) TODO
<i>mac_address</i>	(Optional) TODO
<i>svi</i>	(Optional) TODO
<i>flags_0x</i>	(Optional) TODO
<i>physical_interface</i>	(Optional) TODO
<i>status</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
<i>hmm_host</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>status_in</i>	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
<i>host</i>	(Optional) TODO
<i>mac_address</i>	(Optional) TODO
<i>svi</i>	(Optional) TODO
<i>flags_0x</i>	(Optional) TODO
<i>physical_interface</i>	(Optional) TODO
<i>status</i>	(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
<i>v4_group</i>	(Optional) IPV4 Group address to display
<i>v4_source</i>	(Optional) IPV4 Source address to display
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>context_name</i>	(Optional)
<i>nlri_type</i>	(Optional)
<i>vnid</i>	(Optional)
TABLE_mroute	(Optional)
<i>mroute</i>	(Optional)

TABLE_node	(Optional)
<i>node_addr</i>	(Optional)
<i>real_join</i>	(Optional)
<i>sim_join</i>	(Optional)
<i>rpf_nbr</i>	(Optional)
TABLE_rp	(Optional)
<i>border_leaf_addr</i>	(Optional)
TABLE_rp_grange	(Optional)
<i>rp_grange_desc</i>	(Optional)
TABLE_ssm	(Optional)
<i>border_leaf_addr</i>	(Optional)
TABLE_ssm_range	(Optional)
<i>ssm_range_desc</i>	(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
<i>ngmvpn-event-hist-buf-name</i>	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
<i>__readonly__</i>	(Optional)
<i>pruning</i>	(Optional)
<i>switch_role</i>	(Optional)
<i>fabric_control_seg</i>	(Optional)
<i>peer_fabric_ctrl_addr</i>	(Optional)
<i>advertise_vpc_rpf_routes</i>	(Optional)
<i>created_vni_list</i>	(Optional)
<i>fwd_encap</i>	(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
<i>vni-id</i>	VNI number
all	Display all L2 VNI NGMVPN is aware of
__readonly__	(Optional)
TABLE_vni	(Optional)
<i>vnid</i>	(Optional)
TABLE_mroute	(Optional)
<i>mroute_desc</i>	(Optional)
TABLE_fabric	(Optional)
<i>fabric_node_addr</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
<i>vnid</i>	vnid address
source	Add/Del route with this source
<i>source</i>	Source address
group	Add/Del route with this group
<i>group</i>	Group address
nlri-origin	Add/Del route with this nlri-origin
<i>nlri-origin</i>	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
<i>nh-addr</i>	Nlri Origin address
swid	Add/Del mapping with this swid
<i>swid</i>	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
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
<i>SOCKET</i>	(Optional) socket
<i>FLAGS</i>	(Optional) flags
<i>NLEVEL</i>	(Optional) nlevel
<i>RULE</i>	(Optional) rule
<i>SINDEX</i>	(Optional) sidnex
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) d_id
<i>MASK</i>	(Optional) mask
<i>TYPE</i>	(Optional) type
<i>SUBTYPE</i>	(Optional) subtype
<i>M_VALUES</i>	(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
<i>HIX</i>	(Optional) hix
<i>VSAN</i>	(Optional) vsan
<i>S_ID</i>	(Optional) sid
<i>D_ID</i>	(Optional) did
<i>IFIDX</i>	(Optional) ifidx
<i>R_A_TOV</i>	(Optional) r_a_tov
<i>E_D_TOV</i>	(Optional) e_d_tov
<i>F-SO</i>	(Optional) f-so
<i>RC</i>	(Optional) rc
<i>RS</i>	(Optional) rs
<i>CS</i>	(Optional) cs
<i>EE</i>	(Optional) ee
<i>2-SO</i>	(Optional) 2-so
<i>RS</i>	(Optional) rs
<i>3-SO</i>	(Optional) 3-so
<i>RS</i>	(Optional) rs
<i>EECNT</i>	(Optional) eecnt
<i>TCCNT</i>	(Optional) tcnt
<i>FCNT</i>	(Optional) fcnt

<i>REFCNT</i>	(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

<i>SEQID</i>	(Optional) seqid
<i>TCNT</i>	(Optional) tcnt
<i>RCNT</i>	(Optional) rcnt
<i>LO</i>	(Optional) lo
<i>HI</i>	(Optional) hi
<i>SSTAT</i>	(Optional) sstat
<i>LOGIN</i>	(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
<i>HIX</i>	(Optional) hix
<i>VSAN</i>	(Optional) vsan
<i>OX_ID</i>	(Optional) oxid
<i>S_ID</i>	(Optional) sid
<i>CS</i>	(Optional) cs
<i>SIFINDEX</i>	(Optional) sifindex
<i>OX_ID2</i>	(Optional) oxid
<i>RX_ID2</i>	(Optional) rxid
<i>O_ID</i>	(Optional) oid
<i>R_ID</i>	(Optional) rid
<i>ESTAT</i>	(Optional) estat
<i>STATE</i>	(Optional) state
<i>SOCKET</i>	(Optional) socket
<i>TYPE</i>	(Optional) type
<i>SEQID</i>	(Optional) seqid
<i>TCNT</i>	(Optional) tcnt
<i>RCNT</i>	(Optional) rent
<i>LO</i>	(Optional) lo
<i>HI</i>	(Optional) hi

<i>SSTAT</i>	(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
<i>HIX</i>	(Optional) hix
<i>VSAN</i>	(Optional) vsan
<i>S_ID</i>	(Optional) sid
<i>FLOGI</i>	(Optional) flogi
<i>IFINDEX</i>	(Optional) ifindex
<i>TYPE</i>	(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
<i>REF</i>	(Optional) ref
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) did
<i>MASK</i>	(Optional) mask
<i>FL</i>	(Optional) fl
<i>ST</i>	(Optional) st
<i>IFINDEX</i>	(Optional) ifindex
<i>CF</i>	(Optional) cf
<i>TC</i>	(Optional) tc
<i>2-SO</i>	(Optional) 2so
<i>IC</i>	(Optional) ic
<i>RC</i>	(Optional) rc
<i>RS</i>	(Optional) rs
<i>CS</i>	(Optional) cs
<i>EE</i>	(Optional) ee
<i>3-SO</i>	(Optional) 3so
<i>3-SO-IC</i>	(Optional) 3so-ic
<i>3-SO-RC</i>	(Optional) 3so-rc
<i>3-SO-RS</i>	(Optional) 3so-rs

<i>3-SO-CS</i>	(Optional) 3so-cs
<i>3-SO-EE</i>	(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
<i>HIX</i>	(Optional) hix
<i>ADDRESS</i>	(Optional) address
<i>VSAN</i>	(Optional) vsan
<i>S_ID</i>	(Optional) sid
<i>D_ID</i>	(Optional) did
<i>IF_INDEX</i>	(Optional) ifindex
<i>FL</i>	(Optional) fl
<i>STATE</i>	(Optional) state
<i>CF</i>	(Optional) cf
<i>TC</i>	(Optional) tc
<i>2-SO</i>	(Optional) 2so
<i>IC</i>	(Optional) ic
<i>RC</i>	(Optional) rc
<i>RS</i>	(Optional) rs
<i>CS</i>	(Optional) cs
<i>EE</i>	(Optional) ee
<i>3-SO</i>	(Optional) 3so
<i>3SO_IC</i>	(Optional) ic
<i>3SO_RC</i>	(Optional) rc

<i>3SO_RS</i>	(Optional) rs
<i>3SO_CS</i>	(Optional) cs
<i>3SO_EE</i>	(Optional) ee
<i>EECNT</i>	(Optional) eecnt
<i>TCCNT</i>	(Optional) TCCNT
<i>2CNT</i>	(Optional) 2cnt
<i>3CNT</i>	(Optional) 3cnt
<i>REFCNT</i>	(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
<i>HIX</i>	(Optional) hix
<i>ADDRESS</i>	(Optional) address
<i>VSAN</i>	(Optional) vsan
<i>S_ID</i>	(Optional) s_id
<i>D_ID</i>	(Optional) d_id
<i>IFINDEX</i>	(Optional) ifindex
<i>FL</i>	(Optional) fl
<i>STATE</i>	(Optional) state
<i>PWWN</i>	(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> <RXPPTS> <RXDROP> ] [ TABLE_LBSTAT
<IX> <ST> <MOD> <EMUL> <TXLBPKTS> <TXLBDROP> <RXLBPKTS> <RXLBDROP> ] [
TABLE_VFCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPPTS>
<RXDROP> ] [ TABLE_VFCPOSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR>
<RXPPTS> <RXDROP> ] [ TABLE_VFCslotstat <IX> <ST> <MOD> <EMUL> <TXPKTS>
<TXDROP> <TXERR> <RXPPTS> <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
<i>BAD_FRAME_RX</i>	(Optional) fc2 bad frames rx
TABLE_FCSTAT	(Optional) FC Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPPTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul

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

<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop

Command Mode

- /exec

show fc2 port drops

```
show fc2 port drops [ __readonly__ [ TABLE_FCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS>
<TXDROP> <TXERR> <RXPPTS> <RXDROP> ] [ TABLE_LBSTAT <IX> <ST> <MOD> <EMUL>
<TXLBPPTS> <TXLBDROP> <RXLBPPTS> <RXLBDROP> ] [ TABLE_VFCSTAT <IX> <ST> <MOD>
<EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPPTS> <RXDROP> ] [ TABLE_VFCPOSTAT <IX>
<ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPPTS> <RXDROP> ] [
TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPPTS>
<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
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPPTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXLBPPTS</i>	(Optional) tx lb packets
<i>TXLBDROP</i>	(Optional) tx lb drops

<i>RXLBPCTS</i>	(Optional) rx lb packets
<i>RXLBDROP</i>	(Optional) rx lb drop
TABLE_VFCSTAT	(Optional) VFC Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPCTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_VFCPOSTAT	(Optional) VFC po Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPCTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_VFCSLOTSTAT	(Optional) VFC slot Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops

<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPCTS</i>	(Optional) rx packets
<i>RXDROP</i>	(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
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up
<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(Optional) down from
TABLE_VFCPORTSTATE	(Optional) vfc port state change history
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up

<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(Optional) down from
TABLE_VFCPOPORTSTATE	(Optional) vfc po port state change history
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up
<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(Optional) down from
TABLE_VFCPORTSLOTSTATE	(Optional) vfc port slot state change history
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up
<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(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
<i>SOCKET</i>	(Optional) socket
<i>REFCNT</i>	(Optional) refcnt
<i>PROTOCOL</i>	(Optional) protocol
<i>FLAGS</i>	(Optional) flags
<i>PID</i>	(Optional) pid
<i>RCVBUF</i>	(Optional) rcvbuf
<i>RMEM_USED</i>	(Optional) rmem_used
<i>QLEN</i>	(Optional) qlen
<i>NOTSK</i>	(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
<i>SOCKET</i>	(Optional) socket
<i>VSAN</i>	(Optional) vsan
<i>X_ID</i>	(Optional) x_id
<i>OX_ID</i>	(Optional) oxid
<i>RX_ID</i>	(Optional) rxid
<i>O_ID</i>	(Optional) o_id
<i>R_ID</i>	(Optional) r_id
<i>ESTAT</i>	(Optional) estat
<i>STATE</i>	(Optional) state
<i>CS</i>	(Optional) cs
<i>TYPE</i>	(Optional) type
<i>SK</i>	(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
<i>SOCKET</i>	(Optional) socket
<i>ADDRESS</i>	(Optional) address
<i>REF</i>	(Optional) ref
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) d_id
<i>MASK</i>	(Optional) mask
<i>FL</i>	(Optional) fl
<i>ST</i>	(Optional) st
<i>IFINDEX</i>	(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
<i>SOCKET</i>	(Optional) socket
<i>ADDRESS</i>	(Optional) address
<i>REF</i>	(Optional) ref
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) d_id
<i>MASK</i>	(Optional) mask
<i>FL</i>	(Optional) fl
<i>ST</i>	(Optional) st
<i>IFINDEX</i>	(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
<i>VSAN</i>	(Optional) vsan
<i>X_ID</i>	(Optional) xid
<i>E_D_TOV</i>	(Optional) e_d_tov
<i>R_A_TOV</i>	(Optional) r_a_tov
<i>WWN</i>	(Optional) wwn
<i>IOP_MODE</i>	(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
<i>name</i>	(Optional) feature-set name
<i>id</i>	(Optional) feature-set id
<i>__readonly__</i>	(Optional)
<i>TABLE _cfcFeatureSetTable</i>	(Optional) feature-set table
<i>cfcFeatureSetIndex</i>	(Optional) feature-set table index
<i>cfcFeatureSetName</i>	(Optional) feature-set name
<i>cfcFeatureSetAction</i>	(Optional) action
<i>cfcFeatureSetLastAction</i>	(Optional) last action
<i>cfcFeatureSetLastActionResult</i>	(Optional) last action result
<i>cfcFeatureSetLastFailureReason</i>	(Optional) last failure reason
<i>cfcFeatureSetOpStatus</i>	(Optional) operation status
<i>cfcFeatureSetOpStatusReason</i>	(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
<i>service_name</i>	(Optional) name of the service
<i>count</i>	(Optional) number of services in the feature set
<i>feature_set</i>	(Optional) feature set name
<i>s0</i>	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
<i>cfcFeatureCtrlIndex2</i>	(Optional) feature table index
<i>cfcFeatureCtrlInstanceNum2</i>	(Optional) instance number
<i>cfcFeatureCtrlName2</i>	(Optional) feature name
<i>cfcFeatureCtrlAction2</i>	(Optional) Action to be triggered for the feature
<i>cfcFeatureCtrlLastAction2</i>	(Optional) Last action triggered for the feature
<i>cfcFeatureCtrlLastActionResult2</i>	(Optional) The result of execution of the last action
<i>cfcFeatureCtrlLastFailureReason2</i>	(Optional) Failure Reason
<i>cfcFeatureCtrlOpStatus2</i>	(Optional) operation status
<i>cfcFeatureCtrlOpStatusReason2</i>	(Optional) Reason for current operation status
<i>cfcFeatureCtrlTag2</i>	(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
<i>intf</i>	(Optional) Specify a single interface
<i>__readonly__</i>	(Optional)
TABLE_brief	(Optional) Show brief FHRP interface information
<i>intf_name</i>	(Optional) Interface name
<i>intf_state</i>	(Optional) Interface state
<i>ipv4_state</i>	(Optional) Interface IPv4 state
<i>ipv6_state</i>	(Optional) Interface IPv6 state
<i>hardware_status</i>	(Optional) Interface hardware status
<i>refcount</i>	(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

<i>fhrp</i>	FHRP Show commands
<i>show</i>	Show running system information
<i>intf</i>	(Optional) Specify a single interface
<i>verbose</i>	Display detailed information
<i>__readonly__</i>	(Optional)
<i>TABLE_det</i>	(Optional) Detailed FHRP interface information
<i>intf_name</i>	(Optional) Interface name
<i>handle</i>	(Optional) Interface handle
<i>refcount</i>	(Optional) Reference count
<i>TABLE_clients</i>	(Optional) FHRP clients present on interface
<i>client_id</i>	(Optional) FHRP client id
<i>client_name</i>	(Optional) FHRP client name
<i>running</i>	(Optional) Time verify up timer running
<i>expired</i>	(Optional) Verify up timer has expired
<i>v_retries</i>	(Optional) Verify retries
<i>v_time</i>	(Optional) Verify remaining time
<i>r_delay</i>	(Optional) Reload delay
<i>min_delay</i>	(Optional) Min delay
<i>remaining_delay</i>	(Optional) Remaining delay
<i>i_state</i>	(Optional) Interface state
<i>ipv4_state</i>	(Optional) Interface IPv4 state
<i>ipv6_state</i>	(Optional) Interface IPv6 state
<i>h_state</i>	(Optional) Interface hardware state
<i>int_l2</i>	(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
<i>uri0</i>	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
<i>file_content</i>	(Optional) uri file content buffer string
<i>file_content_cksum</i>	(Optional) uri file content checksum
<i>file_content_md5sum</i>	(Optional) uri file content md5sum
<i>file_content_sha256sum</i>	(Optional) uri file content sha256sum
<i>file_content_sha512sum</i>	(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
<i>o_status</i>	(Optional) operational status of fips
mode_state	(Optional) mode state
<i>m_state</i>	(Optional) fips or non-fips state
TABLE_sessions	(Optional) all lc status
<i>lc_num</i>	(Optional) the lc number
<i>lc_status</i>	(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
<i>flow-cache-index</i>	(Optional) Flow Index
<i>flow-type</i>	(Optional) Flow type - v4,v6 or MAC
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>source-mac</i>	(Optional) Source MAC
<i>destination-mac</i>	(Optional) Destination MAC
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<i>ether-type</i>	(Optional) Ether Type
<i>source-port</i>	(Optional) Source Port
<i>destination-port</i>	(Optional) Destination Port
<i>protocol</i>	(Optional) Protocol
<i>ipv6-flowlabel</i>	(Optional) Ipv6 flowlabel
<i>byte-count</i>	(Optional) Byte Count
<i>packet-count</i>	(Optional) Packet Count
<i>tcp-flags</i>	(Optional) TCP Flags

<i>tos</i>	(Optional) TOS
<i>if-id</i>	(Optional) IF ID
<i>flow-start</i>	(Optional) Flow Start Time
<i>flow-end</i>	(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
<i>exporter</i>	(Optional) Specify an exporter
<i>__readonly__</i>	(Optional)
TABLE_flow_exporter	(Optional)
<i>exporter</i>	(Optional)
<i>description</i>	(Optional)
<i>dest</i>	(Optional)
<i>vrf</i>	(Optional)
<i>vrf_id</i>	(Optional)
<i>vrf_resolved</i>	(Optional)
<i>dest_udp</i>	(Optional)
<i>source_intf</i>	(Optional)
<i>source_ip</i>	(Optional)
<i>dscp</i>	(Optional)
<i>seqnum</i>	(Optional)
<i>exp_vers</i>	(Optional)
<i>samp_table_to</i>	(Optional)
<i>if_table_to</i>	(Optional)
<i>stats_to</i>	(Optional)
<i>temp_to</i>	(Optional)

<i>rec_sent</i>	(Optional)
<i>temp_sent</i>	(Optional)
<i>pkts_sent</i>	(Optional)
<i>bytes_sent</i>	(Optional)
<i>dest_unreach</i>	(Optional)
<i>buff_events</i>	(Optional)
<i>pkts_drop_no_route</i>	(Optional)
<i>pkts_drop_other</i>	(Optional)
<i>pkts_drop_lc_rp</i>	(Optional)
<i>pkts_drop_op_drops</i>	(Optional)
<i>time_last_cleared</i>	(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
<i>intf</i>	(Optional) Interface
vlan	Flow vlan information
<i>vlan</i>	(Optional) Vlan number
__readonly__	(Optional)
TABLE_flow_interface	(Optional) flow interface data
<i>intf_name</i>	(Optional) Interface
<i>vlan_id</i>	(Optional) VLAN ID
<i>v4in_mon_name</i>	(Optional) IPv4 Input monitor name
<i>v4in_direction</i>	(Optional) IPv4 Input direction
<i>v4in_profile_id</i>	(Optional) IPv4 Input profile id
<i>v6in_mon_name</i>	(Optional) IPv6 Input monitor name
<i>v6in_direction</i>	(Optional) IPv6 Input direction
<i>v6in_profile_id</i>	(Optional) IPv6 Input profile id
<i>l2in_mon_name</i>	(Optional) l2 Input monitor name
<i>l2in_direction</i>	(Optional) l2 Input direction
<i>l2in_profile_id</i>	(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
<i>monitor</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
__readonly__	(Optional)
TABLE_flow_monitor	(Optional)
<i>monitor</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>record</i>	(Optional)
<i>exporter1</i>	(Optional)
<i>exporter2</i>	(Optional)
<i>bucket_id</i>	(Optional)
<i>src_addr</i>	(Optional)
<i>dest_addr</i>	(Optional)
<i>direction</i>	(Optional)
<i>pkt_count</i>	(Optional)
<i>byte_count</i>	(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_lq> ] [ <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
<i>record</i>	(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
<i>record</i>	(Optional)
<i>description</i>	(Optional)

<i>use_count</i>	(Optional)
<i>template</i>	(Optional)
<i>match_ip_src</i>	(Optional)
<i>match_ip_dst</i>	(Optional)
<i>match_proto</i>	(Optional)
<i>match_tos</i>	(Optional)
<i>match_l4_src</i>	(Optional)
<i>match_l4_dst</i>	(Optional)
<i>match_ingress</i>	(Optional)
<i>match_egress</i>	(Optional)
<i>match_src_as_peer</i>	(Optional)
<i>match_dst_as_peer</i>	(Optional)
<i>match_ipv6_src</i>	(Optional)
<i>match_ipv6_dst</i>	(Optional)
<i>match_ipv6_flow</i>	(Optional)
<i>match_ipv6_option</i>	(Optional)
<i>match_ipv6_traffic</i>	(Optional)
<i>match_l2_src</i>	(Optional)
<i>match_l2_dst</i>	(Optional)
<i>match_l2_src_vlan</i>	(Optional)
<i>match_l2_dst_vlan</i>	(Optional)
<i>match_l2_lq</i>	(Optional)
<i>match_l2_cos</i>	(Optional)
<i>match_l2_etype</i>	(Optional)
<i>match_flow_dir_match</i>	(Optional)
<i>match_ipv4v6_src</i>	(Optional)
<i>match_ipv4v6_dst</i>	(Optional)
<i>collect_src_as</i>	(Optional)
<i>collect_dst_as</i>	(Optional)

<i>collect_src_as_peer</i>	(Optional)
<i>collect_dst_as_peer</i>	(Optional)
<i>collect_fwd_status</i>	(Optional)
<i>collect_ipv4_next_hop</i>	(Optional)
<i>collect_ipv4_bgp_next</i>	(Optional)
<i>collect_ipv6_next_hop</i>	(Optional)
<i>collect_ipv6_bgp_next</i>	(Optional)
<i>collect_tcp_flags</i>	(Optional)
<i>collect_flow_dir</i>	(Optional)
<i>collect_bytes</i>	(Optional)
<i>collect_bytes_long</i>	(Optional)
<i>collect_packets</i>	(Optional)
<i>collect_packets_long</i>	(Optional)
<i>collect_time_first</i>	(Optional)
<i>collect_time_last</i>	(Optional)
<i>collect_ingress_coll</i>	(Optional)
<i>collect_egress_coll</i>	(Optional)
<i>collect_sampler_id</i>	(Optional)
<i>collect_ip_ver</i>	(Optional)
<i>collect_packet_disp</i>	(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
<i>monitorname</i>	(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
<i>__readonly__</i>	(Optional)
<i>active_to</i>	(Optional)
<i>inactive_to</i>	(Optional)
<i>fast_to</i>	(Optional)
<i>th_pkts</i>	(Optional)
<i>agg_age_to</i>	(Optional)
<i>flush_cache_to</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next hop
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>adj-count</i>	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency

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

TABLE_index	(Optional) HW index table
<i>hw_adj</i>	(Optional) v4 adj hw index
<i>cmn-idx</i>	(Optional) CMN Index
<i>lif</i>	(Optional) LIF
<i>buf-idx</i>	(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
<i>module</i>	(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
<i>module</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(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
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>header</i>	(Optional) o/p header
<i>ecmp_hash</i>	(Optional) ecmp hash
<i>intf</i>	(Optional) interface
<i>nh</i>	(Optional) next hop
<i>v6nh</i>	(Optional) V6 next hop
<i>hw_index</i>	(Optional) Hw index
<i>num_mpls</i>	(Optional) No of MPLS ecmp
<i>holder</i>	(Optional) holder bitmap
<i>refcount</i>	(Optional) refcount
<i>sw_ptr</i>	(Optional) Software pointer

<i>num_paths</i>	(Optional) No of paths
<i>ecmp_partial</i>	(Optional) partial ecmp
TABLE_ecmp	(Optional) ecmp table
<i>hash</i>	(Optional) ecmp hash
<i>num_paths</i>	(Optional) No of paths
<i>hwindex</i>	(Optional) Hw index
<i>ecmppartial</i>	(Optional) partial ecmp
TABLE_index	(Optional) index table
<i>ecmp_idx</i>	(Optional) hw ecmp index
<i>cmn_idx</i>	(Optional) cmn index
<i>refcnt</i>	(Optional) refcount
<i>ecmp_holder</i>	(Optional) holder bitmap
TABLE_adjacency	(Optional) adjacency table
<i>intf</i>	(Optional) interface
<i>nh</i>	(Optional) next hop
<i>v6nh</i>	(Optional) v6 next hop
<i>hw_adj_idx</i>	(Optional) hw adj index
<i>hw_cmn_idx</i>	(Optional) hw cmn index
<i>lif</i>	(Optional) lif
<i>hw_nve_adj_idx</i>	(Optional) nve adj index
<i>hw_nve_cmn_idx</i>	(Optional) nve cmn index
<i>nve_lif</i>	(Optional) nve lif
<i>vobj_count</i>	(Optional) vobj count
<i>vxlan_vobj_count</i>	(Optional) vxlan vobj count
<i>vxlan</i>	(Optional) vxlan
<i>vobj_list_header</i>	(Optional) vobj list header
<i>vobj-id</i>	(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
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count
<i>__readonly__</i>	(Optional)
TABLE_vobj	(Optional) Table vobj
<i>header_vobj</i>	(Optional) vobj o/p header
<i>header_ecmp</i>	(Optional) ecmp o/p header
TABLE_vobj_idx	(Optional) Table vobj index
<i>hw_vobj_index</i>	(Optional) HW VOBJ Index
<i>cmn_index</i>	(Optional) cmn index
<i>num_pfxs</i>	(Optional) Number of prefixes using this virtual object
<i>ecmp_partial</i>	(Optional) partial ecmp
<i>activepath_hdr</i>	(Optional) o/p header

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

<i>hw_vobj_fec_idx</i>	(Optional) hw fec idx
<i>cmn_idx</i>	(Optional) cmn idx
<i>vobj_hw_inst_n</i>	(Optional) vobj hw instance
<i>vobj_ls_count_n</i>	(Optional) ls count new
<i>vobj_hw_inst_o</i>	(Optional) hw instnace info old
<i>vobj_ls_count_o</i>	(Optional) ls count old
<i>vobj_refcount</i>	(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)
<i>intf</i>	(Optional) interface name
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>v4adjcnt</i>	(Optional) count of v4 adjacencies
<i>v6adjcnt</i>	(Optional) count of v6 adjacencies
<i>mac</i>	(Optional) mac address
<i>rpfmode</i>	(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> ] [ <rwinf> ] [ <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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
<i>aif</i>	(Optional) adjacency output interface
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>adj-count</i>	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency
<i>fec</i>	(Optional) FEC info
<i>nexthop</i>	(Optional) next hop address
<i>rewinfo</i>	(Optional) rewrite information
<i>interface</i>	(Optional) output interface
<i>pkts</i>	(Optional) packet stats

<i>bytes</i>	(Optional) bytes stats
<i>bgp_rnh</i>	(Optional) next hop address
<i>bgp_orig_as</i>	(Optional) bgp orig as
<i>bgp_peer_as</i>	(Optional) bgp peer as
<i>hh</i>	(Optional) Hardware Handle
<i>refcount</i>	(Optional) reference count
TABLE_v6_adj	(Optional) Table Adjacency
<i>nh</i>	(Optional) next hop address
<i>rwinfo</i>	(Optional) rewrite information
<i>intf</i>	(Optional) output interface
<i>intf_idx</i>	(Optional) Interface index
<i>hh</i>	(Optional) Hardware Handle
<i>refcnt</i>	(Optional) reference count
<i>flags</i>	(Optional) Adjacency flags
<i>holder</i>	(Optional) Holder bitmap
<i>pbr_cnt</i>	(Optional) PBR count
<i>wccp_cnt</i>	(Optional) WCCP count
TABLE_index	(Optional) HW index table
<i>hw_adj</i>	(Optional) v4 adj hw index
<i>cmn-idx</i>	(Optional) CMN Index
<i>lif</i>	(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> <rpffif> <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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>tab_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	display route counts
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>table_type</i>	(Optional) Table Type
<i>num_routes</i>	(Optional) Number of routes
<i>num_starg_routes</i>	(Optional) Number of (*,G) routes
<i>num_sg_routes</i>	(Optional) Number of (S,G) routes
<i>num_gprefix_routes</i>	(Optional) Number of (*,G-prefix) routes

<i>num_prefix_insert_fail</i>	(Optional) Prefix insert fail count
<i>num_groups</i>	(Optional) Number of group entries in the table
<i>num_sources</i>	(Optional) Number of (S, G) entries for the group address
<i>address</i>	(Optional) Ipv6 address string
<i>src_len</i>	(Optional) Source Address Mask
<i>grp_len</i>	(Optional) Group address Mask
<i>df_ordinal</i>	(Optional) DF ordinal
<i>rpfif</i>	(Optional) RPF interface
<i>flag</i>	(Optional) Route type flag
<i>route_pkts</i>	(Optional) Route packet count
<i>route_bytes</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
ipv6	ipv6
pss	display info from pss
route	route
module	(Optional) slot
<i>module</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(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
<i>interface</i>	(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
<i>aif</i>	(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
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count
__readonly__	(Optional)
TABLE_vrf	(Optional) vrf table
<i>vrfname</i>	(Optional) VRF name
<i>tblname</i>	(Optional) table name
<i>tableid</i>	(Optional) table id
<i>prefix_count</i>	(Optional) total number of prefix in VRF
TABLE_prefix	(Optional) all xml prefix entries
<i>pfx</i>	(Optional) ipv6 prefix
TABLE_path	(Optional) path table
<i>nexthop</i>	(Optional) next hop address
<i>special</i>	(Optional) special adjacencies
<i>intf</i>	(Optional) output interface
<i>hw_handle</i>	(Optional) hw handle
<i>flags</i>	(Optional) flags
<i>holder</i>	(Optional) holder
<i>nxt_obj_type</i>	(Optional) next obj type
<i>hw_idx_v6adj</i>	(Optional) v6 adj hw idx
<i>cmn-idx</i>	(Optional) cmn idx
<i>lif</i>	(Optional) lif

<i>buf-idx</i>	(Optional) buf idx
<i>route_count</i>	(Optional) total number of routes in VRF
<i>path_count</i>	(Optional) total number of paths in VRF
<i>mask_length</i>	(Optional) length of mask
<i>routes_per_mask</i>	(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
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) (S,G) specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) source specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC address
<i>dstmac</i>	(Optional) Ethernet MAC address
vdc	(Optional) VDC
<i>vdc-id</i>	(Optional) VDC id
module	(Optional) Slot
<i>num</i>	(Optional) Slot number
__readonly__	(Optional)
<i>resource_id</i>	(Optional) Resource Identifier
<i>dest_index</i>	(Optional) Destination Index Identifier
<i>epoch</i>	(Optional) Epoch number
<i>hw_handle</i>	(Optional) Hardware Handle
<i>dmac</i>	(Optional) Destination MAC address
<i>text</i>	(Optional) String
<i>value</i>	(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
<i>vlan-id</i>	(Optional) vlan id
<i>software-bd</i>	(Optional) Software bd
module	(Optional) slot
<i>module</i>	(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
<i>label_id</i>	(Optional) VC label
vpls	VPLS
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>label_id</i>	(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
<i>label_id</i>	(Optional) VC label
xconnect	xconnect or VPWS
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>label_id</i>	(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
<i>oiflist-index</i>	(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
<i>vlan-id</i>	(Optional) vlan id
<i>software-bd</i>	(Optional) Software bd
module	(Optional) slot
<i>module</i>	(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
<i>service_id</i>	service ID
all	all VPLS services
vlan	VLAN info
<i>vlan_id</i>	VLAN number
vlan_all	all VPLS services
peer	define the peer
peer_all	all peers
interface	PW interface for peer
<i>intf-name</i>	interface name
next-hop	Next hop to reach the peer
<i>addr</i>	IP address
module	(Optional) slot
<i>module</i>	(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
<i>service_id</i>	service ID
all	All service-id will be displayed
module	(Optional) slot
<i>module</i>	(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
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>vlan</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known vrf name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
label-space	(Optional) label space
<i>label-space-id</i>	(Optional) label space id
label	(Optional) mpls labels
<i>label-id</i>	(Optional) mpls label value
<i>prefix</i>	(Optional) Labels for single exact match route
module	(Optional) slot
<i>module</i>	(Optional) slot number
stats	(Optional) Label Statistics
implicit	(Optional) Display implicit label
platform	(Optional) Display platform information
__readonly__	(Optional)
TABLE_mpls	(Optional)
<i>label</i>	(Optional) mpls label value
<i>out-table-id</i>	(Optional) Output table-id

<i>fec</i>	(Optional) Prefix/Tunnel ID
<i>out-ip</i>	(Optional) Output Next Hop
<i>out-intf</i>	(Optional) Output Interface
<i>out-label</i>	(Optional) Output Label
<i>out-op</i>	(Optional) Output Label op
<i>hh</i>	(Optional) Hardware Handle
<i>ref-count</i>	(Optional) Ref Count
<i>in-pkts</i>	(Optional) Label Input Packet Stats
<i>in-bytes</i>	(Optional) Label Input Bytes Stats
<i>out-pkts</i>	(Optional) Label Output Packet Stats
<i>out-bytes</i>	(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 forwarding
aggregate	aggregate label
label	(Optional) label
<i>label-id</i>	(Optional) label-id
all	(Optional) all
detail	(Optional) detail
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
TABLE_label_info	(Optional)
<i>label</i>	(Optional)
<i>id</i>	(Optional)
<i>sw_index</i>	(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 forwarding
cbts	cbts labels
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
TABLE_cbts	(Optional)
<i>label</i>	(Optional) mpls label value
<i>out-intf</i>	(Optional) Output Interface
<i>out-table-id</i>	(Optional) Output table-id
<i>out-ip</i>	(Optional) Output Next Hop
<i>out-op</i>	(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)
<i>pkts</i>	(Optional) Label Packet Stats
<i>bytes</i>	(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
<i>module</i>	(Optional) slot number
platform	(Optional) show pd info
__readonly__	(Optional)
TABLE_ecmp	(Optional)
<i>type</i>	(Optional) ecmp type
<i>num_paths</i>	(Optional) No of paths
<i>ip_paths</i>	(Optional) No of ip paths
<i>mpls_paths</i>	(Optional) No of mpls paths
<i>ecmp_hash</i>	(Optional) ecmp hash
<i>holder</i>	(Optional) holder bitmap
<i>refcount</i>	(Optional) refcount
<i>hw_index</i>	(Optional) Hw index
TABLE_ecmp_paths	(Optional)
<i>out-intf</i>	(Optional) Output Interface
<i>out-ip</i>	(Optional) Output Next Hop
<i>label_info</i>	(Optional) rew info
<i>hh</i>	(Optional) Hardware Handle
<i>refcount</i>	(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
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
TABLE_labels	(Optional)
<i>space</i>	(Optional) label space
<i>count</i>	(Optional) number of labels
<i>total_deagg_labels</i>	(Optional) total deagg labels
<i>total_deagg_labels</i>	(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> ] [ <fir_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
<i>te_if</i>	(Optional) tunnel-te number
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
TABLE_te	(Optional)
<i>id</i>	(Optional) headend if index
<i>midpoint_source</i>	(Optional)
<i>dest</i>	(Optional)
<i>tunnel_id</i>	(Optional)
<i>ext_tunnel_id</i>	(Optional)
<i>lisp_id</i>	(Optional)
<i>adjacency</i>	(Optional)
<i>hh</i>	(Optional) HH
<i>lfib_adj</i>	(Optional) lfib adjacency is drop
<i>adj_refcount</i>	(Optional)
<i>obj_refcount</i>	(Optional)
<i>te_state</i>	(Optional)
<i>next_hop</i>	(Optional)

<i>next_if_index</i>	(Optional)
<i>op_label</i>	(Optional)
<i>backup_tunnel</i>	(Optional)
<i>adj_key_id</i>	(Optional)
<i>frr_label</i>	(Optional)
<i>local_label</i>	(Optional)
<i>adj_count</i>	(Optional) te related adj count
<i>type</i>	(Optional)
<i>out_if</i>	(Optional)
<i>out_lbl</i>	(Optional)
<i>backup_if</i>	(Optional)
<i>backup_lbl</i>	(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
<i>module</i>	(Optional) slot number
<i>index</i>	(Optional) Outgoing Interface List Index
<i>__readonly__</i>	(Optional)
<i>refcount</i>	(Optional) Reference count
<i>num_oif</i>	(Optional) Number of outgoing interfaces
<i>intf</i>	(Optional) OIF name
<i>encap_id</i>	(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> ] | <gpref> } | source { <saddr> [ <smask> ] | <spref> } ]
| module <module> | vrf { <vrf-name> | <vrf-known-name> | all } ] + [ __readonly__ <table_type> <vrfname> <num_routes>
<num_starg_routes> <num_sg_routes> <num_gpref_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
<i>table_id</i>	(Optional) table number
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
group	(Optional) Multicast IPv4 Group specific info
<i>gaddr</i>	(Optional) Multicast IPv4 Group Address
<i>mask</i>	(Optional) Multicast IPv4 Group Address mask
<i>gpref</i>	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source specific info
<i>saddr</i>	(Optional) Multicast IPv4 Source Address
<i>smask</i>	(Optional) Multicast IPv4 Source Address mask
<i>spref</i>	(Optional) Multicast IPv4 Source Prefix

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

<i>oif_bytes</i>	(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
<i>peer_ip</i>	(Optional) show detailed info of a peer
<i>__readonly__</i>	(Optional)
TABLE_VLAN	(Optional) vlan peer ids table
<i>vlan_id</i>	(Optional) vlan id
<i>plt_space</i>	(Optional) platform space
<i>peer</i>	(Optional) peer_address
TABLE_PSS_VLAN	(Optional) vlan-peer in pss
<i>vlan_pss_id</i>	(Optional) pss_peer_id
<i>VNI</i>	(Optional) vni
<i>vtep</i>	(Optional) vtep
<i>peercnt</i>	(Optional) peer count
<i>pss_peer</i>	(Optional) peer address
<i>marked</i>	(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
<i>tunnel_id</i>	tunnel_id
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id
<i>__readonly__</i>	(Optional)
print_header_output	(Optional) Header Output Format
<i>header_output</i>	(Optional) Print header output
print_mark_output	(Optional) highlight the header Format output
<i>mark_output</i>	(Optional) Mark header output
TABLE_nvel3adj	(Optional)
<i>tunnel_id</i>	(Optional) tunnel_id
<i>bd_id</i>	(Optional) bd id
<i>table_id</i>	(Optional) tenant table-id

<i>VNI</i>	(Optional) vni
<i>Drop</i>	(Optional) Drop
<i>Refcount</i>	(Optional) Refcount
<i>Origin</i>	(Optional) origin
<i>State</i>	(Optional) state
<i>Del</i>	(Optional) del
<i>sw_index</i>	(Optional)
<i>hw_index0</i>	(Optional)
<i>hw_index1</i>	(Optional)
<i>hw_index2</i>	(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
<i>peer_id</i>	(Optional) nve peer-id
tunnel	(Optional) VXLAN tunnel
<i>tunnel_id</i>	(Optional) Unique identifier for the tunnel
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
__readonly__	(Optional)
TABLE_l3peers	(Optional) all l3 nve peers
<i>tunnel_id</i>	(Optional) tunnel_id
<i>peer_id</i>	(Optional) peer_id
<i>peer_address</i>	(Optional) peer_address
<i>interface</i>	(Optional) interface
<i>rmac</i>	(Optional) rmac
<i>origin</i>	(Optional) origin
<i>state</i>	(Optional) state
<i>del</i>	(Optional) del
<i>count</i>	(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
<i>intf</i>	overlay interface
peer	(Optional) overlay peer
<i>peer-id</i>	(Optional) overlay peer-id
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>vlan</i>	(Optional) Vlan information
<i>peer-id</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
ip	(Optional) ipv4
ipv4	(Optional) ipv4
pss	display info from pss
route	route
module	(Optional) slot
<i>module</i>	(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
<i>module</i>	(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
| nhdb } [ 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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table id in hex
ip	(Optional) ipv4
ipv4	(Optional) ipv4
route	display IP routing table
nhdb	nh-db
recursive	(Optional) display routes with recursive next hops
partial	(Optional) display routes with partial ECMPs
summary	(Optional) display route counts
<i>prefix</i>	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
<i>address</i>	(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
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan number
ip	(Optional) ipv4
ipv4	(Optional) ipv4
security	display IP security information
group-tag	ip_address->security_group_tag
<i>addr</i>	(Optional) specific ip address
module	(Optional) slot
__readonly__	(Optional)
<i>header</i>	(Optional) header string
<i>vrfname</i>	(Optional) VRF name
<i>tid</i>	(Optional) table identifier
<i>num</i>	(Optional) module number
<i>pfx-count</i>	(Optional) total prefix count in VRF
<i>ipa</i>	(Optional) ip address
<i>tag</i>	(Optional) security group tag

<i>tv</i>	(Optional) sgt valid
<i>vid</i>	(Optional) vlan identifier

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

<i>v</i>	(Optional) 1 => ip->vlan binding
<i>intf</i>	(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
<i>module</i>	(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
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>op</i>	(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
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>op</i>	(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
<i>eventname</i>	(Optional) Specify a event
<i>__readonly__</i>	(Optional)
<i>event</i>	(Optional)
<i>description</i>	(Optional)
<i>use_count</i>	(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
<i>eventname</i>	(Optional) Specify a event
<i>__readonly__</i>	(Optional)
<i>event</i>	(Optional)
<i>description</i>	(Optional)
<i>use_count</i>	(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
<i>exportername</i>	(Optional) Specify an exporter
<i>__readonly__</i>	(Optional)
<i>exporter</i>	(Optional)
<i>description</i>	(Optional)
<i>dest</i>	(Optional)
<i>vrf</i>	(Optional)
<i>vrf_id</i>	(Optional)
<i>vrf_resolved</i>	(Optional)
<i>dest_udp</i>	(Optional)
<i>source_intf</i>	(Optional)
<i>source_ip</i>	(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
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
__readonly__	(Optional)
<i>monitor</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>record</i>	(Optional)
<i>event</i>	(Optional)
<i>exporter1</i>	(Optional)
<i>exporter2</i>	(Optional)
<i>bucket_id</i>	(Optional)
<i>src_addr</i>	(Optional)
<i>dest_addr</i>	(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
<i>recordname</i>	(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)
<i>record</i>	(Optional)
<i>description</i>	(Optional)
<i>use_count</i>	(Optional)

Command Mode

- /exec