



F Show 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
<i>__readonly__</i>	(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 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> <13_vni> <state> <profile> <instance> } ] ]
```

Syntax Description

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

<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
<u>__readonly__</u>	(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
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_database_host_summary</i>	(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 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
<i>__readonly__</i>	(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

show	Show running system information
fabric	Fabric
database	Fabric Database
static-host	Configured Static Hosts
__readonly__	(Optional) Read Only
TABLE_database_static_host	(Optional) table show fabric database static-host
<i>host_key</i>	(Optional) static-host key
<i>interface</i>	(Optional) interface name
<i>state</i>	(Optional) static-host state
<i>retry_delay</i>	(Optional) seconds until next retry
<i>retry_attempts</i>	(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
<i>__readonly__</i>	(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 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> <mrrib_sync_delay>
<bgp_eor_rcvd> <bgp_eor_rcvd_ts> <cli_done_rcvd> <cli_done_rcvd_ts> ]
```

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)
<i>mrrib_sync_delay</i>	(Optional)
<i>bgp_eor_rcvd</i>	(Optional)
<i>bgp_eor_rcvd_ts</i>	(Optional)
<i>cli_done_rcvd</i>	(Optional)
<i>cli_done_rcvd_ts</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 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 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
HIX	(Optional) hix
VSAN	(Optional) vsan
S_ID	(Optional) sid
D_ID	(Optional) did
IFIDX	(Optional) ifidx
R_A_TOV	(Optional) r_a_tov
E_D_TOV	(Optional) e_d_tov
F-SO	(Optional) f-so
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
2-SO	(Optional) 2-so
RS	(Optional) rs
3-SO	(Optional) 3-so
RS	(Optional) rs
EECNT	(Optional) eecnt
TCCNT	(Optional) tcnt
FCNT	(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
<i>__readonly__</i>	(Optional) Read only
TABLE_ExchngInfo	(Optional) ecb info
<i>ECB_INUSE</i>	(Optional) ecb in use
<i>ECB_DROPPED</i>	(Optional) ecb dropped
<i>ECB_TOTAL</i>	(Optional) ecb total
<i>ECB_MAX</i>	(Optional) ecb threshold
TABLE_fc2exchange	(Optional) show fc2 exchange
<i>HIX</i>	(Optional) hix
<i>VSAN</i>	(Optional) vsan
<i>X_ID</i>	(Optional) xid
<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>SOCKET</i>	(Optional) socket
<i>DIFINDEX</i>	(Optional) dIFINDEX
<i>CS</i>	(Optional) cs
<i>TYPE</i>	(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
HIX	(Optional) hix
VSAN	(Optional) vsan
OX_ID	(Optional) oxid
S_ID	(Optional) sid
CS	(Optional) cs
SIFINDEX	(Optional) sifindex
OX_ID2	(Optional) oxid
RX_ID2	(Optional) rxid
O_ID	(Optional) oid
R_ID	(Optional) rid
ESTAT	(Optional) estat
STATE	(Optional) state
SOCKET	(Optional) socket
TYPE	(Optional) type
SEQID	(Optional) seqid
TCNT	(Optional) tcnt
RCNT	(Optional) rcnt
LO	(Optional) lo
HI	(Optional) hi

<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> <RXPKTS> <RXDROP> ] [ TABLE_LBSTAT
<IX> <ST> <MOD> <EMUL> <TXLBPCKTS> <TXLBDROP> <RXLBPCKTS> <RXLBDROP> ] [
TABLE_VFCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS>
<RXDROP> ] [ TABLE_VFCPOSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR>
<RXPKTS> <RXDROP> ] [ TABLE_VFCslotstat <IX> <ST> <MOD> <EMUL> <TXPKTS>
<TXDROP> <TXERR> <RXPKTS> <RXDROP> ] ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
brief	display only active port counters
__readonly__	(Optional) Read only
TABLE_fc2portbrief	(Optional) bad frames received
<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) txerrorrent
<i>RXPKTS</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) txerrornt
<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) txerrornt
<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> <RXPKTS> <RXDROP> ] [ TABLE_LBSTAT <IX> <ST> <MOD> <EMUL>
<TXLBPCKTS> <TXLBDROP> <RXLBPCKTS> <RXLBDROP> ] [ TABLE_VFCSTAT <IX> <ST> <MOD>
<EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP> ] [ TABLE_VFCPOSTAT <IX>
<ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP> ] [
TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS>
<RXDROP> ] ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
drops	display active port drop counters
__readonly__	(Optional) Read only
TABLE_FCSTAT	(Optional) FC Stat table
<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_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>TXLBPCKTS</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 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
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_FCPORTSTATE</i>	(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
<i>TABLE_VFCPORTSTATE</i>	(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
VSAN	(Optional) vsan
X_ID	(Optional) xid
E_D_TOV	(Optional) e_d_tov
R_A_TOV	(Optional) r_a_tov
WWN	(Optional) wwn
IOP_MODE	(Optional) iop_mode

Command Mode

- /exec

show fcdroplateny

```
show fcdroplateny [ { network | switch } ] [ __readonly__ [ <switch_latency> ] [ <global_network_latency> ] ] [ TABLE_vsan_network_latency { <vsan-no> <network-latency> } ] ]
```

Syntax Description

show	Show running system information
fcdroplateny	show switch or network latency
network	(Optional) network latency in milliseconds
switch	(Optional) switch latency in milliseconds
__readonly__	(Optional)
<i>switch_latency</i>	(Optional) Switch latency value
<i>global_network_latency</i>	(Optional) global network latency value
TABLE_vsan_network_latency	(Optional) VSAN specific network latency settings
<i>vsan-no</i>	(Optional) vsan number
<i>network-latency</i>	(Optional) VSAN specific network latency

Command Mode

- /exec

show fcoe-npv issu-impact

```
show fcoe-npv issu-impact [ __readonly__ { <is_impact> } [ TABLE_interface <vfc_intf> <fc_id> ] ]
```

Syntax Description

show	Show running system information
fcoe-npv	feature fcoe-npv
issu-impact	Show feature fcoe-npv config issues if attempting to do non-disruptive ISSU
__readonly__	(Optional) Read Only
<i>is_impact</i>	(Optional) show issu impact
TABLE_interface	(Optional) show fcoe database
<i>vfc_intf</i>	(Optional) vfc port Interface index
<i>fc_id</i>	(Optional) vfc port FCID

Command Mode

- /exec

show fcoe

```
show fcoe [ __readonly__ { TABLE_fcf <fcf_if_index> <fcf_mac> <fc_map> <fcf_priority>
<fka_Advertisement> } [ TABLE_vfc <vfc_name> <vfcf_mac> ] ]
```

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_fcf</i>	(Optional) fcf table
<i>fcf_if_index</i>	(Optional) fcf if index
<i>fcf_mac</i>	(Optional) fcf mac
<i>fc_map</i>	(Optional) fc map
<i>fcf_priority</i>	(Optional) fcf priority
<i>fka_Advertisement</i>	(Optional) fka Advertisement
<i>TABLE_vfc</i>	(Optional) vfc details table for sup
<i>vfc_name</i>	(Optional) vfc name
<i>vfcf_mac</i>	(Optional) vfcf mac

Command Mode

- /exec

show fcoe database

```
show fcoe database [ __readonly__ { TABLE_interface <interface> [ <fcid> ] [ <port_name> ] <mac_address>
} <flogi_count> [ TABLE_veport <interface> <mac_address> <vsan> ] ]
```

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
database	Show FCOE database
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show fcoe database
<i>fcid</i>	(Optional) fcid
<i>port_name</i>	(Optional) port name
<i>mac_address</i>	(Optional) mac address
<i>interface</i>	(Optional) ve port Interface index
TABLE_veport	(Optional) ve port details
<i>mac_address</i>	(Optional) ve port mac address
<i>flogi_count</i>	(Optional) flogi_count
<i>vsan</i>	(Optional) ve port VSAN trunking

Command Mode

- /exec

show fctimer

```
show fctimer [ __readonly__ { <F_S_TOV> <D_S_TOV> <E_D_TOV> <R_A_TOV> } ]
```

Syntax Description

show	show running system information
fctimer	show Fibre Channel timers
__readonly__	(Optional) Read only
<i>F_S_TOV</i>	(Optional) F_S_TOV
<i>D_S_TOV</i>	(Optional) D_S_TOV
<i>E_D_TOV</i>	(Optional) E_D_TOV
<i>R_A_TOV</i>	(Optional) R_A_TOV

Command Mode

- /exec

show fctimer D_S_TOV

```
show fctimer D_S_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_D_S_TOV [ <vsan-no> ] <D_S_TOV> ] [ <non-exist-vsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
D_S_TOV	D_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
<i>__readonly__</i>	(Optional)
TABLE_D_S_TOV	(Optional) table D_S_TOV
<i>vsan-no</i>	(Optional) vsan number
<i>D_S_TOV</i>	(Optional) D_S_TOV
<i>non-exist-<i>vsan</i></i>	(Optional) non configured vsans

Command Mode

- /exec

show fctimer E_D_TOV

```
show fctimer E_D_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_E_D_TOV [ <vsan-no> ] <E_D_TOV> ] [ <non-exist-nsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
E_D_TOV	E_D_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
<i>__readonly__</i>	(Optional)
TABLE_E_D_TOV	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>E_D_TOV</i>	(Optional) E_D_TOV
<i>non-exist-nsan</i>	(Optional) not exist vsans

Command Mode

- /exec

show fctimer F_S_TOV

```
show fctimer F_S_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_F_S_TOV [ <vsan-no> ] <F_S_TOV> ] [ <non-exist-vsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
F_S_TOV	F_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
<i>__readonly__</i>	(Optional)
TABLE_F_S_TOV	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>F_S_TOV</i>	(Optional) F_S_TOV
<i>non-exist-<i>vsan</i></i>	(Optional) not exist vsans

Command Mode

- /exec

show fctimer R_A_TOV

```
show fctimer R_A_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_R_A_TOV [ <vsan-no> ] <R_A_TOV> ] [ <non-exist-nsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
R_A_TOV	R_A_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
<i>__readonly__</i>	(Optional)
TABLE_R_A_TOV	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>R_A_TOV</i>	(Optional) R_A_TOV
<i>non-exist-nsan</i>	(Optional) non exist vsans

Command Mode

- /exec

show fctimer last action status

```
show fctimer last action status [ __readonly__ [ <vsan> ] <last_action_timestamp> <last_action>
<last_action_result> <last_action_failure_reason> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
last	Show the status of the last cfs commit/abort operation
action	Show the status of the last cfs commit/abort operation
status	Show the status of the last cfs commit/abort operation
<i>__readonly__</i>	(Optional) Readonly
<i>vsan</i>	(Optional) Vsan
<i>last_action_timestamp</i>	(Optional) Last action timestamp
<i>last_action</i>	(Optional) Last action
<i>last_action_result</i>	(Optional) Last action result
<i>last_action_failure_reason</i>	(Optional) Last action failure reason

Command Mode

- /exec

show fctimer pending-diff

```
show fctimer pending-diff [ __readonly__ <status_fctimer> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending-diff	Show the difference between pending database and running config
__readonly__	(Optional)
<i>status_fctimer</i>	(Optional) Show the difference between pending database and running config

Command Mode

- /exec

show fctimer pending

show fctimer pending [__readonly__ <status_fctimer>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending	Show the status of pending fctimer commands
__readonly__	(Optional)
<i>status_fctimer</i>	(Optional) Show the status of pending fctimer commands

Command Mode

- /exec

show fctimer session status

```
show fctimer session status [ __readonly__ [ <vsan> ] <last_action_timestamp> <last_action>
<last_action_result> <last_action_failure_reason> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
session	Show the state of fctimer cfs session
status	Show the status of the last cfs commit/abort operation
<i>__readonly__</i>	(Optional) Readonly
<i>vsan</i>	(Optional) Vsan
<i>last_action_timestamp</i>	(Optional) Last action timestamp
<i>last_action</i>	(Optional) Last action
<i>last_action_result</i>	(Optional) Last action result
<i>last_action_failure_reason</i>	(Optional) Last action failure reason

Command Mode

- /exec

show fctimer status

show fctimer status [__readonly__ <Distribution>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
status	cfs distribution is enabled or disabled
__readonly__	(Optional) read only
<i>Distribution</i>	(Optional) distribution

Command Mode

- /exec

show fctimer vsan

```
show fctimer vsan <i0> [ __readonly__ { TABLE_fctimer <vsan-no> <F_S_TOV> <D_S_TOV> <E_D_TOV>
<R_A_TOV> } [ <non-exist-vsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
vsan	Specify VSAN id
<i>i0</i>	VSAN id range
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_fctimer</i>	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>F_S_TOV</i>	(Optional) F_S_TOV
<i>D_S_TOV</i>	(Optional) D_S_TOV
<i>E_D_TOV</i>	(Optional) E_D_TOV
<i>R_A_TOV</i>	(Optional) R_A_TOV
<i>non-exist-<i>vsan</i></i>	(Optional) non exist vsans

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
<i>__readonly__</i>	(Optional)
<i>TABLE_services</i>	(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

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

Command Mode

- /exec

show fhrp verbose

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

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
<i>intf</i>	(Optional) Specify a single interface
verbose	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
<i>__readonly__</i>	(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> ] [ <output-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>output-if-id</i>	(Optional) OUTPUT IF ID
<i>flow-start</i>	(Optional) Flow Start Time
<i>flow-end</i>	(Optional) Flow End Time

Command Mode

- /exec

show flow cache

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

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-type</i>	(Optional) Flow type - v4,v6 or MAC
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<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

<i>source-mac</i>	(Optional) Source MAC
<i>destination-mac</i>	(Optional) Destination MAC
<i>ether-type</i>	(Optional) Ether Type

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 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 filter

```
show flow filter [ __readonly__ [ { TABLE_flow_filter <name> <ipv4acl> <ipv6acl> } ] ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
filter	Show filter Configuration
__readonly__	(Optional)
TABLE_flow_filter	(Optional) flow filter data
<i>name</i>	(Optional) Filter Name
<i>ipv4acl</i>	(Optional) IPv4 ACL
<i>ipv6acl</i>	(Optional) IPv4 ACL

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
<i>__readonly__</i>	(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
<i>__readonly__</i>	(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 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
<i>__readonly__</i>	(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 profile

```
show flow profile [ __readonly__ [ { TABLE_flow_profile <name> [ <desc> ] <number-of-users>
<export-intvl> <source-port> <packet-id-shift> <burst-intvl-shift> <mtu> [ <guess-threshold-lo> ] [
<guess-threshold-hi> ] [ { TABLE_payload_bin <payload-bin-num> <payload-bin-lo> <payload-bin-hi> }
] [ { TABLE_tcpopthdr_bin <tcpopthdr-bin-num> <tcpopthdr-bin-lo> <tcpopthdr-bin-hi> } ] [ {
TABLE_rcvwinsize_bin <rcvwinsize-bin-num> <rcvwinsize-bin-lo> <rcvwinsize-bin-hi> } } ] ] ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
profile	Show profile Configuration
__readonly__	(Optional)
TABLE_flow_profile	(Optional) HW flow profile
name	(Optional) HW profile name
desc	(Optional) Description of HW profile
number-of-users	(Optional) No. of users
export-intvl	(Optional) Export Interval
source-port	(Optional) Source Port
packet-id-shift	(Optional) IP Packet ID Shift
burst-intvl-shift	(Optional) Burst Interval Shift
mtu	(Optional) MTU
guess-threshold-lo	(Optional) Sequence Number Guess Threshold Lo
guess-threshold-hi	(Optional) Sequence Number Guess Threshold Hi
TABLE_payload_bin	(Optional) Payload Bin
payload-bin-num	(Optional) Bin Number
payload-bin-lo	(Optional) Bin Lo
payload-bin-hi	(Optional) Bin Hi
TABLE_tcpopthdr_bin	(Optional) TCP Opt Hdr Bin
tcpopthdr-bin-num	(Optional) Bin Number
tcpopthdr-bin-lo	(Optional) Bin Lo
tcpopthdr-bin-hi	(Optional) Bin Hi

TABLE_rcvwinsize_bin	(Optional) Receive Windows Size Bin
<i>rcvwinsize-bin-num</i>	(Optional) Bin Number
<i>rcvwinsize-bin-lo</i>	(Optional) Bin Lo
<i>rcvwinsize-bin-hi</i>	(Optional) Bin Hi

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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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 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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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 rtp

```
show flow rtp { errors { active | history } | details } [ ipv4 | ipv6 ] [ __readonly__ [ <flow-timeout> ] [ {
TABLE_flow_rtp <flow-rtp-index> [ <flow-type> ] [ <source-ip> ] [ <destination-ip> ] [ <bridge-domain-id>
] [ <source-port> ] [ <destination-port> ] [ <protocol> ] [ <packet-count> ] [ <bytes-per-sec> ] [ <start-time>
] [ <if-name> ] [ { TABLE_flow_rtp_errors <loss-start> [ <loss-end> ] [ <packet-loss> } ] } ] }
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
errors	Show NetFlow RTP flows error information
active	Show RTP flows with active losses
history	Show RTP flows with loss history
details	Show NetFlow RTP detailed information
ipv4	(Optional) Show ipv4 RTP entries
ipv6	(Optional) Show ipv6 RTP entries
__readonly__	(Optional)
TABLE_flow_rtp	(Optional) The XML flow rtp table
<i>flow-timeout</i>	(Optional) Flow Timeout
<i>flow-rtp-index</i>	(Optional) Flow RTP Index
<i>flow-type</i>	(Optional) Flow type - v4,v6
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<i>source-port</i>	(Optional) Source Port
<i>destination-port</i>	(Optional) Destination Port
<i>protocol</i>	(Optional) Protocol
<i>packet-count</i>	(Optional) Packet Count
<i>bytes-per-sec</i>	(Optional) Bytes Per Second
<i>start-time</i>	(Optional) Flow Start Time

<i>if-name</i>	(Optional) IF/Vlan
TABLE_flow_rtp_errors	(Optional) The XML flow rtp errors table
<i>loss-start</i>	(Optional) Loss Start Time
<i>loss-end</i>	(Optional) Loss End Time
<i>packet-loss</i>	(Optional) Packet loss

Command Mode

- /exec

show flow rtp timeout

```
show flow rtp timeout [ __readonly__ { <flush_cache_to> } ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
timeout	Show NetFlow RTP flow error monitoring timeout values
<i>__readonly__</i>	(Optional)
<i>flush_cache_to</i>	(Optional)

Command Mode

- /exec

show flow system

```
show flow system [ __readonly__ <system_exporter_id> [ { TABLE_flow_interface [ <intf_name> ] [
<exporter_id> ] [ <profile_name> ] [ <v4in_mon_name> ] [ <v4in_direction> ] [ <v6in_mon_name> ] [
<v6in_direction> ] [ <filter_name> ] [ <ipv4_hit> ] [ <ipv4_create> ] [ <ipv6_hit> ] [ <ipv6_create> ] [
<ce_hit> ] [ <ce_create> ] [ <packets_seen> ] [ <skip_collect> ] [ <export_count> ] } ] ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
system	Show system Configuration
<i>__readonly__</i>	(Optional)
<i>system_exporter_id</i>	(Optional) System Exporter ID
TABLE_flow_interface	(Optional) flow interface data
<i>intf_name</i>	(Optional) Interface
<i>exporter_id</i>	(Optional) Exporter ID
<i>profile_name</i>	(Optional) HW Profile Name
<i>v4in_mon_name</i>	(Optional) IPv4 Input monitor name
<i>v4in_direction</i>	(Optional) IPv4 Input direction
<i>v6in_mon_name</i>	(Optional) IPv6 Input monitor name
<i>v6in_direction</i>	(Optional) IPv6 Input direction
<i>filter_name</i>	(Optional) User Filter Name
<i>ipv4_hit</i>	(Optional) Number of packets that hit an Ipv4 hash entry
<i>ipv4_create</i>	(Optional) Number of packets that created a new Ipv4 hash entry
<i>ipv6_hit</i>	(Optional) Number of packets that hit an Ipv6 hash entry
<i>ipv6_create</i>	(Optional) Number of packets that created a new Ipv6 hash entry
<i>ce_hit</i>	(Optional) Number of packets that hit an ce hash entry
<i>ce_create</i>	(Optional) Number of packets that created a new ce hash entry
<i>packets_seen</i>	(Optional) Number of packets seen
<i>skip_collect</i>	(Optional) Number of packets that skipped the analytics collect
<i>export_count</i>	(Optional) Number of Analytics packets exported

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 flow tracer

```
show flow tracer [ __readonly__ [ { TABLE_flow_tracer <flow-tracer-index> [ <source-ip> ] [ <destination-ip>
] [ <bridge-domain-id> ] [ <source-port> ] [ <destination-port> ] [ <protocol> ] [ <packet-count> ] [ <if-name>
] [ <fwd-drop> ] [ <rpf-fail> ] [ <policing-drop> ] [ <ids-drop> ] [ <policy-drop> ] [ <buffer-drop> ] } ] ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
tracer	Show packet tracer information
__readonly__	(Optional)
TABLE_flow_tracer	(Optional)
<i>flow-tracer-index</i>	(Optional) Flow Index
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<i>source-port</i>	(Optional) Source Port
<i>destination-port</i>	(Optional) Destination Port
<i>protocol</i>	(Optional) Protocol
<i>packet-count</i>	(Optional) Packet Count
<i>if-name</i>	(Optional) Ingress Interface
<i>fwd-drop</i>	(Optional) Forwarding Drops
<i>rpf-fail</i>	(Optional) RPF Port Sec Failures
<i>policing-drop</i>	(Optional) Policing Drops
<i>ids-drop</i>	(Optional) Ids Drops
<i>policy-drop</i>	(Optional) ACL Drops
<i>buffer-drop</i>	(Optional) Buffer Drops

Command Mode

- /exec

show forwarding

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ ipv4 ] [ route |
mhdb ] [ recursive ] [ summary ] [ [ detail | platform | partial | ipsg ] [ max-display-count <display_count> ]
] | [ <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
ipv4	(Optional) ipv4
route	(Optional) display IP routing table
ipsg	(Optional) display IPv4 IPSG routes
mhdb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding adjacency

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ipv4 ] adjacency [ mpls ] [ lisp ] [ nve ] [ <aif> ] [ <anh> ] [ detail | stats | platform ] [ module <module> ] [ __readonly__ [ <adj-count> ] [ TABLE_adj { [ <fec> ] [ <nexthop> ] [ <intf> ] [ <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
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
<code>__readonly__</code>	(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>intf</i>	(Optional) output interface
<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 distribution clients

show forwarding distribution clients [__readonly__ <id><pid><name><shms><shme><shmn>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
clients	unicast client information
__readonly__	(Optional)

Command Mode

- /exec

show forwarding distribution fib-state

```
show forwarding distribution fib-state [ __readonly__ <slot> <state><ttc><tprc><tv4ac><tv6ac> {
TABLE_fib_state <tid><tafi><prc><pc><tname> } ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
fib-state	unicast fib state info
__readonly__	(Optional)
<i>slot</i>	(Optional) slot number
TABLE_fib_state	(Optional) fib-state table

Command Mode

- /exec

show forwarding distribution ip igmp snooping

```
show forwarding distribution ip igmp snooping [ vlan <vlan-id> [ group [ <grpaddr> | <mac-grpaddr> ] [
source <srcaddr> ] ] ] [ detail ] [ __readonly__ <refcount> <oiflist_id> <last_oiflist_id> <ftag-id> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	IPV4 information
igmp	MFDM IGMP information
snooping	L2 mcast snooping related information
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
<i>mac-grpaddr</i>	(Optional) Group MAC address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
detail	(Optional) Detailed display
<i>__readonly__</i>	(Optional)
<i>refcount</i>	(Optional) Reference Count
<i>oiflist_id</i>	(Optional) OIF list Identifier
<i>last_oiflist_id</i>	(Optional) Last OIF list Identifier
<i>ftag-id</i>	(Optional) ftag Id

Command Mode

- /exec

show forwarding distribution ipv6 multicast route

```
show forwarding distribution ipv6 multicast route [ table <table_id> | vrf <vrf-name> ] [ [ group { <group>
} ] [ source { <source> } ] | summary ] [ __readonly__ TABLE_vrf [ <vrf-name> ] [ <table-name> ] [ <table-id>
] [ <total-num-groups> ] [ TABLE_route_summary [ <vrf-name> ] [ <total-num-routes> ] [ <num-star-g-route>
] [ <num-sg-route> ] [ <num-star-g-prfx> ] [ <num-group-count> ] ] [ TABLE_one_route [ <source-addr>
] [ <source-len> ] [ <group-addr> ] [ <group-len> ] [ <df-ordinal> ] [ <rpf-intf> ] [ <flags> ] [ <stats-pkts>
] [ <stats-bytes> ] [ <oif-count> ] [ <oiflist-index> ] [ TABLE_oif [ <oif-name> ] [ <mti-src-intf> ] [
<mti-grp-ip> ] [ <mti-src-ip> ] ] ] ] ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	display fib distribution information
ipv6	IPV6 related information
multicast	display IPv6 multicast information
route	display routing table
vrf	(Optional) display routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
table	(Optional) table
<i>table_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	(Optional) display route counts
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>table-name</i>	(Optional)
<i>table-id</i>	(Optional)
<i>total-num-groups</i>	(Optional)
TABLE_route_summary	(Optional)
<i>total-num-routes</i>	(Optional)
<i>num-star-g-route</i>	(Optional)

<i>num-sg-route</i>	(Optional)
<i>num-star-g-prfx</i>	(Optional)
<i>num-group-count</i>	(Optional)
TABLE_one_route	(Optional)
<i>source-addr</i>	(Optional)
<i>source-len</i>	(Optional)
<i>group-addr</i>	(Optional)
<i>group-len</i>	(Optional)
<i>df-ordinal</i>	(Optional)
<i>rpf-intf</i>	(Optional)
<i>flags</i>	(Optional)
<i>stats-pkts</i>	(Optional)
<i>stats-bytes</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>oiflist-index</i>	(Optional)
TABLE_oif	(Optional)
<i>oif-name</i>	(Optional)
<i>mti-src-intf</i>	(Optional)
<i>mti-grp-ip</i>	(Optional)
<i>mti-src-ip</i>	(Optional)

Command Mode

- /exec

show forwarding distribution l2 multicast

```
show forwarding distribution l2 multicast [ ip-based | mac-based ] [ vlan <vlan-id> [ { group <grpaddr> [ source <srcaddr> ] } | destination-mac <dmac> ] ] [ summary ] [ __readonly__ [ TABLE_sum [ <mode> ] [ <num_vlan> ] [ <num_starg> ] [ <num_sg> ] [ <num_aggstarg> ] [ TABLE_sum_info [ <ftag_id> ] [ <vlan_id> ] [ <routable_flag> ] [ <num_starg> ] [ <num_sg> ] [ <num_aggstarg> ] [ <total_route> ] ] ] [ TABLE_route [ <vlan> ] [ <grp_str> ] [ <src_str> ] [ <grp_mac> ] [ <src_mac> ] [ TABLE_oif [ <oiflist_id> ] [ <refcount> ] [ <l3_usage> ] [ <plt_index> ] [ <num_oif> ] [ <oif_name> ] [ <flags> ] [ <dvif> ] ] ] ] ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
l2	L2 information
multicast	L2 multicast information
ip-based	(Optional) IPv4 based
mac-based	(Optional) MAC based
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC specific information
<i>dmac</i>	(Optional) Destination MAC address
summary	(Optional) display route counts
__readonly__	(Optional)
TABLE_sum	(Optional)
<i>mode</i>	(Optional) Mode
<i>num_vlan</i>	(Optional) Num of VLAN
<i>num_starg</i>	(Optional) Num of Starg routes
<i>num_sg</i>	(Optional) Num of SG routes

<i>num_aggstarg</i>	(Optional) Num of Aggregated Starg routes
TABLE_sum_info	(Optional)
<i>vlan_id</i>	(Optional) vlan id
<i>ftag_id</i>	(Optional) ftag id
<i>routable_flag</i>	(Optional) Routable flag
<i>num_starg</i>	(Optional) Num of starg routes
<i>num_sg</i>	(Optional) Num of sg routes
<i>num_aggstarg</i>	(Optional) Num of Aggregated Starg routes
<i>total_route</i>	(Optional) Total Routes
TABLE_route	(Optional)
<i>vlan</i>	(Optional) vlan
<i>grp_str</i>	(Optional) Group Address
<i>src_str</i>	(Optional) Source Address
<i>grp_mac</i>	(Optional) Group Mac
<i>src_mac</i>	(Optional) Source Mac
TABLE_oif	(Optional)
<i>oiflist_id</i>	(Optional) oiflist index
<i>refcount</i>	(Optional) reference count
<i>l3_usage</i>	(Optional) l3 usage
<i>plt_index</i>	(Optional) platform index
<i>num_oif</i>	(Optional) Num of outgoing interface
<i>oif_name</i>	(Optional) Oif details
<i>flags</i>	(Optional)
<i>dvif</i>	(Optional)

Command Mode

- /exec

show forwarding distribution lisp counters

show forwarding distribution lisp counters [*__readonly__* <count>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
lisp	for lisp application
counters	counters
<i>__readonly__</i>	(Optional)
<i>count</i>	(Optional) count

Command Mode

- /exec

show forwarding distribution lisp vrf enabled

```
show forwarding distribution lisp vrf enabled [ __readonly__ { TABLE_lisp_vrf_enabled <vrf> <lisp_enabled>
<req_id> <operation> } ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
lisp	for lisp application
vrf	vrf
enabled	enabled
<i>__readonly__</i>	(Optional)
TABLE_lisp_vrf_enabled	(Optional)
<i>vrf</i>	(Optional) vrf key
<i>lisp_enabled</i>	(Optional) lisp enabled status
<i>req_id</i>	(Optional) req id
<i>operation</i>	(Optional) operation

Command Mode

- /exec

show forwarding distribution multicast

```
show forwarding distribution multicast [ messages ] [ __readonly__ <num_accepting_routes> <slot> <fibstate> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information
<i>__readonly__</i>	(Optional)
<i>num_accepting_routes</i>	(Optional) Number of fibs accepting routes
<i>slot</i>	(Optional) Slot
<i>fibstate</i>	(Optional) IP Multicast FIB process state

Command Mode

- /exec

show forwarding distribution multicast client-ack-db

```
show forwarding distribution multicast client-ack-db [ __readonly__ <xid> <num_recepients> <num_responses> ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
client-ack-db	Displays the client ack db
<i>__readonly__</i>	(Optional)
<i>xid</i>	(Optional) XID
<i>num_recepients</i>	(Optional) Number of recepients
<i>num_responses</i>	(Optional) Number of responses

Command Mode

- /exec

show forwarding distribution multicast client

show forwarding distribution multicast client [*__readonly__* <num-clients> <client-name> <client-id> <shmem-name>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
client	Show multicast distribution client information
<i>__readonly__</i>	(Optional)
<i>num-clients</i>	(Optional) Number of Clients registered
<i>client-name</i>	(Optional) Client Name
<i>client-id</i>	(Optional) Client-id
<i>shmem-name</i>	(Optional) Shared Memory Segment Name

Command Mode

- /exec

show forwarding distribution multicast download

show forwarding distribution multicast download

Syntax Description

show	
forwarding	forwarding information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
download	show download queues

Command Mode

- /exec

show forwarding distribution multicast mfib

```
show forwarding distribution multicast { mfib-txlist [ vrf <vrf-name> ] | mfib-buffers } [ __readonly__
<no-free-buffers> <no-used-buffers> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
mfib-txlist	Show MFIB transmission-list information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) Specify VRF name
mfib-buffers	Show MFIB route buffer information
__readonly__	(Optional)
<i>no-free-buffers</i>	(Optional) Number of Free txlist MFIB buffers
<i>no-used-buffers</i>	(Optional) Number of Used txlist MFIB buffers

Command Mode

- /exec

show forwarding distribution multicast outgoing-interface-list L2_PRIME

```
show forwarding distribution multicast outgoing-interface-list L2_PRIME [ <index> ] [ __readonly__ <dvif>
<platform_index> <ref_count> <l2-oifs> <port_set> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
outgoing-interface-list	Outgoing interface list
L2_PRIME	Layer 2 oiflist
<i>index</i>	(Optional) Outgoing Interface List index
<i>__readonly__</i>	(Optional)
<i>dvif</i>	(Optional) Destination VIF
<i>platform_index</i>	(Optional) Platform index
<i>ref_count</i>	(Optional) Reference count
<i>l2-oifs</i>	(Optional) L2 oifs
<i>port_set</i>	(Optional) Port set

Command Mode

- /exec

show forwarding distribution multicast resp-ack-timer-msgs

show forwarding distribution multicast resp-ack-timer-msgs

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
resp-ack-timer-msgs	show response ack timers for MFDM

Command Mode

- /exec

show forwarding distribution multicast route

```
show forwarding distribution [ ip ] multicast route [ table <id> | vrf { <vrf_name> | <vrf-known-name> | all
} ] [ [ group { <gaddr> [ <mask> ] | <gprefix> } ] [ source { <saddr> [ <smask> ] | <sprefix> } ] | summary
] [ __readonly__ TABLE_vrf [ <vrf-name> ] [ <table-name> ] [ <table-id> ] [ <table-wildcard> ] [
<total-num-groups> ] [ TABLE_route_summary [ <vrf-name> ] [ <total-num-routes> ] [ <num-star-g-route>
] [ <num-sg-route> ] [ <num-star-g-prfx> ] [ <num-group-count> ] ] [ TABLE_one_route [ <source-addr>
] [ <source-len> ] [ <group-addr> ] [ <group-len> ] [ <df-ordinal> ] [ <rpf-intf> ] [ <flags> ] [ <stats-pkts>
] [ <stats-bytes> ] [ <oif-count> ] [ <oiflist-index> ] [ TABLE_oif [ <oif-name> ] [ <mti-src-intf> ] [
<mti-grp-ip> ] [ <mti-src-ip> ] [ <next-hop> ] ] ] ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	(Optional) IPV4 information
multicast	Multicast information
route	Multicast route related information
vrf	(Optional) Specify VRF
<i>vrf_name</i>	(Optional) Specify VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	(Optional) Specify Multicast Routing Table
<i>id</i>	(Optional) Multicast Routing Table Identifier
group	(Optional) IPv4 Multicast Group specific
<i>gaddr</i>	(Optional) IPv4 Multicast Group Address
<i>mask</i>	(Optional) mask for group ip address
<i>gprefix</i>	(Optional) IPv4 Multicast Group Prefix
source	(Optional) IPv4 Multicast Source specific
<i>saddr</i>	(Optional) IPv4 Source Address
<i>smask</i>	(Optional) mask for group ip address
<i>sprefix</i>	(Optional) IPv4 Multicast Source Prefix
summary	(Optional) display route counts

<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>table-name</i>	(Optional)
<i>table-id</i>	(Optional)
<i>table-wildcard</i>	(Optional)
<i>total-num-groups</i>	(Optional)
TABLE_route_summary	(Optional)
<i>total-num-routes</i>	(Optional)
<i>num-star-g-route</i>	(Optional)
<i>num-sg-route</i>	(Optional)
<i>num-star-g-prfx</i>	(Optional)
<i>num-group-count</i>	(Optional)
TABLE_one_route	(Optional)
<i>source-addr</i>	(Optional)
<i>source-len</i>	(Optional)
<i>group-addr</i>	(Optional)
<i>group-len</i>	(Optional)
<i>df-ordinal</i>	(Optional)
<i>rpf-intf</i>	(Optional)
<i>flags</i>	(Optional)
<i>stats-pkts</i>	(Optional)
<i>stats-bytes</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>oiflist-index</i>	(Optional)
TABLE_oif	(Optional)
<i>oif-name</i>	(Optional)
<i>mti-src-intf</i>	(Optional)
<i>mti-grp-ip</i>	(Optional)

<i>mti-src-ip</i>	(Optional)
<i>next-hop</i>	(Optional)

Command Mode

- /exec

show forwarding distribution multicast vxlan dsg-db

show forwarding distribution multicast vxlan dsg-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
dsg-db	delivery group/source db

Command Mode

- /exec

show forwarding distribution nve overlay-vlan

show forwarding distribution nve overlay-vlan [*__readonly__* *TABLE_overlay_vlan_peer_id* <Vlan> <SVP> <install> <Origin> <VFP-region> <peercount> <peer_id> +]

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
nve	nve distribution info
overlay-vlan	overlay-vlan adjacency info
<i>__readonly__</i>	(Optional)
<i>TABLE_overlay_vlan_peer_id</i>	(Optional) overlay vlan peer id table
<i>Vlan</i>	(Optional) VLAN
<i>SVP</i>	(Optional) SVP
<i>install</i>	(Optional) install
<i>Origin</i>	(Optional) Origin
<i>VFP-region</i>	(Optional) VFP-region
<i>peercount</i>	(Optional) Total count of Peers
<i>peer_id</i>	(Optional) Peer-ID

Command Mode

- /exec

show forwarding distribution peer-id

```
show forwarding distribution peer-id [ vpls | otv ] [ __readonly__ <header> TABLE_peer_id <app> <vlan>
<id> <peer_id> ]
```

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
peer-id	HW Peer-id allocation info
vpls	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
otv	(Optional) OTV
__readonly__	(Optional)
<i>header</i>	(Optional) Header
TABLE_peer_id	(Optional) Peer ID table
<i>app</i>	(Optional) OTV/VPLS
<i>vlan</i>	(Optional) VLAN
<i>id</i>	(Optional) ID
<i>peer_id</i>	(Optional) Peer-ID

Command Mode

- /exec

show forwarding distribution trace

show forwarding distribution trace

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
trace	unicast trace information

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
<i>module</i>	(Optional) slot number
partial	(Optional) Show partially installed ECMPs
__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>ecmpartial</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>vlan_vobj_count</i>	(Optional) vxlan vobj count
<i>vlan</i>	(Optional) vxlan
<i>vobj_list_header</i>	(Optional) vobj list header
<i>vobj-id</i>	(Optional) vobj id

Command Mode

- /exec

<i>TABLE_vobj_idx</i>	(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_active</i>	(Optional) table active
<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
TABLE_vobj_ecmp	(Optional) ecmp table
<i>ec_hash</i>	(Optional) ecmp hash
<i>ec_num_paths</i>	(Optional) No of paths
<i>ec_hwindex</i>	(Optional) Hw index
<i>ec_ecmppartial</i>	(Optional) partial ecmp
<i>ec_refcnt</i>	(Optional) refcount
<i>ec_ecmp_holder</i>	(Optional) holder bitmap
TABLE_adjacency_ec	(Optional) adjacency table
<i>ec_intf</i>	(Optional) interface
<i>ec_nh</i>	(Optional) next hop
<i>ec_v6nh</i>	(Optional) v6 next hop
<i>ec_hw_adj_idx</i>	(Optional) hw adj index
<i>ec_hw_cmn_idx</i>	(Optional) hc cmn index
<i>ec_lif</i>	(Optional) lif
<i>ec_hw_nve_adj_idx</i>	(Optional) nve adj index

<i>ec_hw_nve_cmn_idx</i>	(Optional) nve cmn index
<i>ec_nve_lif</i>	(Optional) nve lif
<i>ec_vobj_count</i>	(Optional) vobj count
<i>ec_vxlan_vobj_count</i>	(Optional) vxlan vobj count
<i>ec_vxlan</i>	(Optional) vxlan
<i>ec_vobj_list_header</i>	(Optional) vobj list header
<i>header</i>	(Optional) o/p header
<i>num_pfxs</i>	(Optional) Number of prefixes using this virtual object
<i>rnh_table_id</i>	(Optional) The table id where the RNHs are present
<i>nh</i>	(Optional) Next hop info
<i>rnh_len</i>	(Optional) Next hop mask length
<i>v6nh</i>	(Optional) V6 Next hop info
<i>hw_instance</i>	(Optional) Hardware instance info
<i>nh_vpn_label</i>	(Optional) NH VPN label
<i>nh_weight</i>	(Optional) weighted ecmp info
<i>cnh_intf</i>	(Optional) cnh output interface
<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>ecmpartial</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
TABLE_vobj_id	(Optional) vobj_id table
<i>vobj-id</i>	(Optional) vobj id

Command Mode

- /exec

show forwarding interfaces

```
show forwarding interfaces [ module <module> ] [ __readonly__ TABLE_intf_str <intf> <v4adjcnt> <v6adjcnt>
<v4rpfmode> <v6rpfmode> <mac> ]
```

Syntax Description

show	
forwarding	fib information
interfaces	show fib interface info
__readonly__	(Optional)
TABLE_intf_str	(Optional) show interface string
<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>v4rpfmode</i>	(Optional) v4 uRPF mode
<i>v6rpfmode</i>	(Optional) v6 uRPF mode

Command Mode

- /exec

<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 inconsistency

```
show forwarding ipv6 [ unicast ] inconsistency [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ] [ module
{ <module> | all_modules } ] [ __readonly__ [ <err_str> ] [ <cc_header> ] [ <table_id> ] [ <slot_id> ] [
<exec_time> ] [ <elapsed_time> ] [ <inconsis_adj> ] [ TABLE_inconsistency_adj { <idipv6> <slotipv6>
[ <unitipv6> ] <vrfipv6> [ <ipv6addr> ] [ <ipv6prefix> ] [ <interfaceipv6> ] <reasonipv6> } ] [
<inconsis_routes> ] [ TABLE_inconsistency_routes { <idipv6> <slotipv6> [ <unitipv6> ] <vrfipv6> [
<ipv6addr> ] [ <ipv6prefix> ] [ <interfaceipv6> ] <reasonipv6> } ] [ <run_status> ] ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
ipv6	ipv6
unicast	(Optional) unicast
inconsistency	route inconsistency check
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's
__readonly__	(Optional)
<i>err_str</i>	(Optional)
<i>cc_header</i>	(Optional)
<i>table_id</i>	(Optional)
<i>slot_id</i>	(Optional)
<i>exec_time</i>	(Optional)
<i>elapsed_time</i>	(Optional)
<i>inconsis_adj</i>	(Optional)
TABLE_inconsistency_adj	(Optional)
<i>idipv6</i>	(Optional)

<i>slotipv6</i>	(Optional)
<i>unitipv6</i>	(Optional)
<i>vripv6</i>	(Optional)
<i>interfaceipv6</i>	(Optional)
<i>reasonipv6</i>	(Optional)
<i>inconsis_routes</i>	(Optional)
TABLE_inconsistency_routes	(Optional)
<i>idipv6</i>	(Optional)
<i>slotipv6</i>	(Optional)
<i>unitipv6</i>	(Optional)
<i>vripv6</i>	(Optional)
<i>interfaceipv6</i>	(Optional)
<i>reasonipv6</i>	(Optional)
<i>run_status</i>	(Optional)

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> ] [ <vrfname> ] [ <table_id> ] [ <num_routes> <num_starg_routes> <num_sg_routes>
<num_gprefix_routes> ] [ <num_groups> ] [ <num_sources> ] [ <num_prefix_insert_fail> ] [ [
TABLE_MROUTE_INFO <address> [ <src_len> <grp_len> ] [ <df_ordinal> ] [ <rpffif> ] [ <rpif_index> ]
<flag> [ <flag_value> ] <route_pkts> <route_bytes> <oiflist_id> <oif_count> <oiflist_flag> [
TABLE_OIF_INFO <oifindex> [ <vlan> ] [ TABLE_MCAST_OIF_INTF_INFO [ <oifname> ] [ <dvif> ] ]
[ <platform_id> ] [ <encap_id> ] [ <hw_index> ] ] ] ] ] ]
```

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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<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>vrfname</i>	(Optional) VRF name
<i>table_id</i>	(Optional) Table ID

<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_groups</i>	(Optional) Number of group entries in the table
<i>num_prefix_insert_fail</i>	(Optional) Prefix insert fail count
<i>num_sources</i>	(Optional) Number of (S, G) entries for the group address
TABLE_MROUTE_INFO	(Optional) Mroute info
<i>address</i>	(Optional) Mcast 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>rpfif</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>oif_count</i>	(Optional) Number of OIFs
<i>oiflist_flag</i>	(Optional) OIF List flag
TABLE_OIF_INFO	(Optional) OIF Info
<i>oifindex</i>	(Optional) OIF Interface ifIndex
<i>vlan</i>	(Optional) Vlan id
TABLE_MCAST_OIF_INTF_INFO	(Optional) OIF Interfaces
<i>oifname</i>	(Optional) OIF Interface name
<i>dvif</i>	(Optional) DVIF
<i>platform_id</i>	(Optional) Platform-index
<i>encap_id</i>	(Optional) Encap ID

<i>hw_index</i>	(Optional) Hardware index
-----------------	---------------------------

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__ [ TABLE_L2_MCAST_INFO <vlan_id>
[ <group> ] [ <source> ] [ <dmac> ] <epoch> <resource_id> <dest_index> [ <hw_handle> ] [ <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)
TABLE_L2_MCAST_INFO	(Optional) L2 Multicast Info
<i>vlan_id</i>	(Optional) Vlan Identifier
<i>group</i>	(Optional) Multicast IPv4 Group Address
<i>source</i>	(Optional) Multicast IPv4 Source Address
<i>dmac</i>	(Optional) Destination MAC address
<i>epoch</i>	(Optional) Epoch number

<i>resource_id</i>	(Optional) Resource Identifier
<i>dest_index</i>	(Optional) Destination Index Identifier
<i>hw_handle</i>	(Optional) Hardware Handle
<i>text</i>	(Optional) String
<i>value</i>	(Optional) Value

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 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
<i>__readonly__</i>	(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> [ { TABLE_table_id [ <out-table-id> ] [ <fec> ] [ <out-ip> ] [ <out-intf> ] [ <out-label> ] [ <out-op> ] [ <hh> ] [ <ref-count> ] } ] [ <in-pkts> ] [ <in-bytes> ] [ <swap-out-pkts> ] [ <swap-out-bytes> ] [ <tunnel-out-pkts> ] [ <tunnel-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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
platform	(Optional) Display platform information
<i>__readonly__</i>	(Optional)
TABLE_mpls	(Optional)
<i>label</i>	(Optional) mpls label value

<i>TABLE_table_id</i>	(Optional) Table table id
<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>swap-out-pkts</i>	(Optional) Label Swap Output Packet Stats
<i>swap-out-bytes</i>	(Optional) Label Swap Output Bytes Stats
<i>tunnel-out-pkts</i>	(Optional) Label Tunnel Output Packet Stats
<i>tunnel-out-bytes</i>	(Optional) Label Tunnel Output Bytes Stats

Command Mode

- /exec

show forwarding mpls drop-stats

```
show forwarding mpls drop-stats [ platform | label0-fwd-stats ] [ __readonly__ [ { TABLE_drop_stats
<unit-number> <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)
TABLE_drop_stats	(Optional) Table for mpls drop stats
<i>unit-number</i>	(Optional) unit number
<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>
] [ <fec> ] [ { TABLE_ecmp_paths [ <out-intf> ] [ <out-ip> ] [ <label-info> ] [ <refcount> ] [ <hh> ] [
<ecmp-type> ] } } ] ] ] ] ] ]
```

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
<i>__readonly__</i>	(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
<i>fec</i>	(Optional) FEC
TABLE_ecmp_paths	(Optional)
<i>out-intf</i>	(Optional) Output Interface
<i>out-ip</i>	(Optional) Output Next Hop
<i>label-info</i>	(Optional) label info
<i>refcount</i>	(Optional) refcount

<i>hh</i>	(Optional) Hardware Handle
<i>ecmp-type</i>	(Optional) type for per path in ecmp

Command Mode

- /exec

show forwarding mpls eompls

```
show forwarding mpls eompls [ peers { <addr> | all } ] [ __readonly__ [ { TABLE_peer_ip <peer_ip>
<peer_id> <vlan_bmp> <rx_pkts> <rx_bytes> } ] ]
```

Syntax Description

show	Show
forwarding	Forwarding information
mpls	mpls forwarding
eompls	eompls
peers	(Optional) nve peers
<i>addr</i>	(Optional) peer ipaddress
all	(Optional) Display peer info for all peers
<i>__readonly__</i>	(Optional)
TABLE_peer_ip	(Optional)
<i>peer_ip</i>	(Optional) peer address
<i>peer_id</i>	(Optional) peer id
<i>vlan_bmp</i>	(Optional) vlan bitmap
<i>rx_pkts</i>	(Optional) packet stats
<i>rx_bytes</i>	(Optional) bytes stats

Command Mode

- /exec

show forwarding mpls eompls ir

```
show forwarding mpls eompls ir { [ vlan [ all | <vlan_id> ] ] | [ peer [ all | <peer_ip> ] ] } [ __readonly__ [ {
TABLE_VLAN <vlan_id> <vni> <ifindex> <plt_space> <bitmap> <peer> + <marked> + } ] [ {
TABLE_ONE_PEER <peer> <id> <repl_id> <oif> <path_intf> + <vcount> <vlan_id> + <plt_space> } ] ]
```

Syntax Description

show	Show running system information
forwarding	Forwarding information
mpls	mpls
eompls	eompls
ir	ir
vlan	(Optional) vlans all
all	(Optional) all
<i>vlan_id</i>	(Optional) vlan-id
peer	(Optional) peers-all
all	(Optional) all
<i>peer_ip</i>	(Optional) show detailed info for peer
__readonly__	(Optional)
TABLE_VLAN	(Optional) vlan peer ids table
<i>vlan_id</i>	(Optional) vlan id
<i>vni</i>	(Optional) vni
<i>ifindex</i>	(Optional) ifindex
<i>plt_space</i>	(Optional) platform space
<i>bitmap</i>	(Optional) peer bitmap
<i>peer</i>	(Optional) peer_address
<i>marked</i>	(Optional) marked
TABLE_ONE_PEER	(Optional) vlan peer ids table
<i>peer</i>	(Optional) vlan id
<i>id</i>	(Optional) vni
<i>repl_id</i>	(Optional) repli id

<i>oif</i>	(Optional) ifindex
<i>path_intf</i>	(Optional) pathintf name
<i>vcount</i>	(Optional) vlan count
<i>vlan_id</i>	(Optional) vlanid
<i>plt_space</i>	(Optional) platform space

Command Mode

- /exec

show forwarding mpls summary

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

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
summary	summary
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(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>feature_evpn_status</i>	(Optional) feature evpn status

Command Mode

- /exec

show forwarding multicast-sr loopback interface

```
show forwarding multicast-sr loopback interface [ __readonly__ [ <port-num> ] ]
```

Syntax Description

show	
forwarding	display fib information
multicast-sr	multicast service reflect information
interface	loopback interface
loopback	loopback interface
<i>__readonly__</i>	(Optional)
<i>port-num</i>	(Optional) Port number

Command Mode

- /exec

show forwarding multicast outgoing-interface-list

```
show forwarding multicast outgoing-interface-list { L2 | L3 | vxlan-encap | vxlan-ir-dci-encap } [ platform ]
[ module <module> ] [ <index> ] [ __readonly__ [ <refcount> ] [ <total_l2_oiflist> ] [ <total_l3_oiflist> ] [
<slot> ] [ TABLE_MCAST_OIF_INFO <oiflist_idx> [ <vlan> ] [ <num_oif> ] [
TABLE_MCAST_OIF_INTF_INFO [ <intf> ] [ <dvmf> ] ] [ <encap_id> ] <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
vxlan-ir-dci-encap	vxlan-ir-dci-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>total_l2_oiflist</i>	(Optional) total l2 oiflist
<i>total_l3_oiflist</i>	(Optional) total l3 oiflist
<i>slot</i>	(Optional) slot number
TABLE_MCAST_OIF_INFO	(Optional) Mcast OIF Info
<i>oiflist_idx</i>	(Optional) Outgoing Interface List Index
<i>vlan</i>	(Optional) Vlan id
<i>num_oif</i>	(Optional) Number of outgoing interfaces
TABLE_MCAST_OIF_INTF_INFO	(Optional) OIF Interfaces
<i>intf</i>	(Optional) OIF name

<i>dvif</i>	(Optional) DVIF
<i>encap_id</i>	(Optional) encap_id
<i>hw_oiflist_idx</i>	(Optional) Hardware Outgoing Interface List Index
<i>mcidx</i>	(Optional) MC Index

Command Mode

- /exec

<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>table_id</i>	(Optional) Table ID
<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_groups</i>	(Optional) Number of group entries in the table
<i>num_prefix_insert_fail</i>	(Optional) Prefix insert fail count
<i>num_sources</i>	(Optional) Number of (S, G) entries for the group address
TABLE_MROUTE_INFO	(Optional) Mroute info
<i>mcast_addr</i>	(Optional) Mcast 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>rpfif</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>oif_count</i>	(Optional) Number of OIFs
<i>oiflist_flag</i>	(Optional) OIF List flag
<i>refcount</i>	(Optional) OIF list Reference Count

TABLE_OIF_INFO	(Optional) OIF Info
<i>oifindex</i>	(Optional) OIF Interface ifIndex
TABLE_MCAST_VLAN_INFO	(Optional) Vlan Interfaces
<i>vlan</i>	(Optional) Vlan id
TABLE_MCAST_OIF_INFO	(Optional) Oif Interfaces
<i>oifname</i>	(Optional) OIF Interface name
<i>dvif</i>	(Optional) DVIF
<i>platform_id</i>	(Optional) Platform-index
<i>encap_id</i>	(Optional) Encap ID
<i>hw_index</i>	(Optional) Hardware index
<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 [ ipv4 <peer_ip> | ipv6 <v6_peer_ip> ] + [ __readonly__ [
{ TABLE_VLAN <vlan_id> <vni> <ifindex> <plt_space> <peer> + } { TABLE_PSS_VLAN <vlan_pss_id>
<VNI> <vtep> <peercnt> { <pss_peer> <marked> } + } ] + [ [ <peer> <id> <repl_id> <oif> <hash_algo>
<path_intf> + <vcount> <vlan_id> + [ <path> <hash> <flags> <nh> <intf> + ] ] [ <pss_peer> <pss_id>
<pss_repl_id> <pss_oif> <pss_hash_algo> <pss_path_intf> + <pss_vcount> <vlan_pss_id> + [ <pss_path>
<pss_hash> <pss_flags> <pss_nh> <pss_intf> + ] ] ] ]
```

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l2	L2 info
ingress-replication-peers	ingress replication peer info
ipv4	(Optional) ipv4 peer
<i>peer_ip</i>	(Optional) show detailed info of a peer
ipv6	(Optional) ipv6 peer
__readonly__	(Optional)
TABLE_VLAN	(Optional) vlan peer ids table
<i>vlan_id</i>	(Optional) vlan id
<i>vni</i>	(Optional) vni
<i>ifindex</i>	(Optional) ifindex
<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
VNI	(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

<i>peer</i>	(Optional) peer
<i>id</i>	(Optional) id
<i>repl_id</i>	(Optional) repl_id
<i>oif</i>	(Optional) oif
<i>path_intf</i>	(Optional) path intf name
<i>hash_algo</i>	(Optional) hash algo used
<i>vcount</i>	(Optional) vlan count
<i>vlan_id</i>	(Optional) vlan id
<i>path</i>	(Optional) ecmp path
<i>hash</i>	(Optional) ecmp hash
<i>flags</i>	(Optional) ecmp flags
<i>nh</i>	(Optional) ecmp nh
<i>intf</i>	(Optional) ecmp interfaces
<i>pss_peer</i>	(Optional) peer
<i>pss_id</i>	(Optional) id
<i>pss_repl_id</i>	(Optional) repl_id
<i>pss_oif</i>	(Optional) oif
<i>pss_path_intf</i>	(Optional) path intf name
<i>pss_hash_algo</i>	(Optional) hash algo used
<i>pss_vcount</i>	(Optional) vlan count
<i>vlan_pss_id</i>	(Optional) vlan id
<i>pss_path</i>	(Optional) pss path
<i>pss_hash</i>	(Optional) pss hash
<i>pss_flags</i>	(Optional) pss flags
<i>pss_nh</i>	(Optional) pss nh
<i>pss_intf</i>	(Optional) pss intf

Command Mode

- /exec

show forwarding nve l3 adjacency tunnel

```
show forwarding nve l3 adjacency tunnel [ <tunnel_id> | all ] [ bd <bd_id> | detail | module <module> | table
<table_id> ] [ __readonly__ 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>	(Optional) tunnel_id
all	(Optional) show adjacency info for all peers
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id
<i>__readonly__</i>	(Optional)
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
VNI	(Optional) vni
Drop	(Optional) Drop
Refcount	(Optional) Refcount
Origin	(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 adjacency v6-tunnel

```
show forwarding nve l3 adjacency v6-tunnel [ <peer-ip> | all ] [ bd <bd_id> | detail | module <num> | table
<table_id> ] [ __readonly__ TABLE_nvel3adj <peer-ip> <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
v6-tunnel	VXLAN V6 tunnel
all	(Optional) Show adjacency for all peers
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)
TABLE_nvel3adj	(Optional)
<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 [ __readonly__ { TABLE_nvel3ecmp <hw_index> <ecmp_hash> <num_paths>
<table_id> <flags> <adj_flags> <ref_count> { TABLE_tunnel_info [ <tunnel_id> | <tunnel_ip> ] <segment_id>
} <hw_ecmp_index0> <hw_ecmp_index1> <hw_ecmp_index2> } ]
```

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
ecmp	nve ecmp info
<i>__readonly__</i>	(Optional)
TABLE_nvel3ecmp	(Optional) nve l3 ecmp table
<i>hw_index</i>	(Optional) hw_index address pointer
<i>ecmp_hash</i>	(Optional) ecmp hash
<i>num_paths</i>	(Optional) numer of members in ECMP
<i>table_id</i>	(Optional) table id
<i>flags</i>	(Optional) flags
<i>adj_flags</i>	(Optional) adj flags
<i>ref_count</i>	(Optional) num of references
TABLE_tunnel_info	(Optional)
<i>tunnel_id</i>	(Optional) tunnel id
<i>tunnel_ip</i>	(Optional) v6 tunnel ip
<i>segment_id</i>	(Optional) segment id
<i>hw_ecmp_index0</i>	(Optional) HW ECMP Index Unit 0
<i>hw_ecmp_index1</i>	(Optional) HW ECMP Index Unit 1
<i>hw_ecmp_index2</i>	(Optional) HW ECMP Index Unit 2

Command Mode

- /exec

show forwarding nve l3 peers

```
show forwarding nve l3 peers [ peers <peer_id> | tunnel <tunnel_id> | detail | module <module> ] + [
__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>module</i>	(Optional) Slot/module number
<i>__readonly__</i>	(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 [ __readonly__ { <broadcast_status> <broadcast_level>
<multicast_status> <multicast_level> <unicast_status> <unicast_level> <no_of_uplink_interfaces> } [ {
TABLE_uplinks <ifindex> <peerid_bmp> <is_dci> [ <phy_if> ] } ] ]
```

Syntax Description

show	show
forwarding	display fib information
nve	NVE related info
underlay-interfaces	underlay interfaces info
<i>__readonly__</i>	(Optional)
<i>broadcast_status</i>	(Optional) status
<i>broadcast_level</i>	(Optional) broadcast level
<i>multicast_status</i>	(Optional) multicast status
<i>multicast_level</i>	(Optional) multicast level
<i>unicast_status</i>	(Optional) unicast status
<i>unicast_level</i>	(Optional) unicast level
<i>no_of_uplink_interfaces</i>	(Optional) Number of uplink interfaces
TABLE_uplinks	(Optional)
<i>ifindex</i>	(Optional) uplink ifindex
<i>phy_if</i>	(Optional) uplink physical interface
<i>peerid_bmp</i>	(Optional) peerid bitmap
<i>is_dci</i>	(Optional) dci flag

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
<i>__readonly__</i>	(Optional)
<i>vlan</i>	(Optional) Vlan information
<i>peer-id</i>	(Optional) peer-id

Command Mode

- /exec

show forwarding security group-tag

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> | vlan <vlan_id> ] [
ipv4 ] security group-tag [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all>
} ] + [ __readonly__ TABLE_sgt_vrf { <tid> <px-count> [ TABLE_sgt_prefix [ <ipa> ] [ <tag> ] [ <tv> ]
} ] ]
```

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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan number
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
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
TABLE_sgt_vrf	(Optional) vrf table
<i>tid</i>	(Optional) table identifier
<i>px-count</i>	(Optional) total prefix count in VRF
TABLE_sgt_prefix	(Optional) all xml prefix entries
<i>ipa</i>	(Optional) ip address
<i>tag</i>	(Optional) security group tag

<i>tv</i>	(Optional) sgt valid
-----------	----------------------

Command Mode

- /exec

show forwarding security mac

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ ipv4 ] security
mac [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] + [ __readonly__
TABLE_sec_vrf { <tid> <px-count> [ TABLE_sec_prefix <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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
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)
TABLE_sec_vrf	(Optional) security vrf table
<i>tid</i>	(Optional) table identifier
<i>px-count</i>	(Optional) total prefix count in VRF
TABLE_sec_prefix	(Optional) all xml security prefix entries
<i>ipa</i>	(Optional) ip address
<i>mac</i>	(Optional) mac address
<i>m</i>	(Optional) 1 => ip->mac binding
<i>v</i>	(Optional) 1 => ip->vlan binding
<i>p</i>	(Optional) 1 => ip->port binding

<i>intf</i>	(Optional) ip->port interface
-------------	-------------------------------

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
<i>__readonly__</i>	(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>
<latency_threshold> <latency_unit> <analytics_changed_flow_count> <latency_flow_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)
<i>latency_threshold</i>	(Optional)
<i>latency_unit</i>	(Optional)
<i>analytics_changed_flow_count</i>	(Optional)
<i>latency_flow_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> <exporter-id> ]
```

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)
<i>exporter-id</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
<i>__readonly__</i>	(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
<i>__readonly__</i>	(Optional)
<i>record</i>	(Optional)
<i>description</i>	(Optional)
<i>use_count</i>	(Optional)

Command Mode

- /exec

show fte record