



N Show Commands

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show nbm defaults

```
show nbm defaults [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<vrfName> { <contextId> <bandwidthInKbps> <dscp> <qid> <policer> <operModeCache> <operMode>
<unicastFabricBandwidth> <numAsmGroup> } [ TABLE_ASM <groupId> { <groupPrefix> <groupMaskLen>
} ] { <senderPolicy> <localReceiverPolicy> <externalReceiverPolicy> } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
defaults	Default config
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrfName</i>	(Optional) VRF name
<i>contextId</i>	(Optional) Context ID
<i>bandwidthInKbps</i>	(Optional) Bandwidth in Kbps
<i>dscp</i>	(Optional) DSCP
<i>qid</i>	(Optional) Queue ID
<i>policer</i>	(Optional) Policer
<i>operModeCache</i>	(Optional) Operation Mode Cache
<i>operMode</i>	(Optional) Operation Mode
<i>unicastFabricBandwidth</i>	(Optional) Unicast fabric bandwidth
<i>numAsmGroup</i>	(Optional) Number of ASM Groups
TABLE_ASM	(Optional) ASM Group Table
<i>groupId</i>	(Optional) Group number
<i>groupPrefix</i>	(Optional) Group Prefix
<i>groupMaskLen</i>	(Optional) Group Mask Length

<i>senderPolicy</i>	(Optional) Sender Policy
<i>localReceiverPolicy</i>	(Optional) Local Receiver Policy
<i>externalReceiverPolicy</i>	(Optional) External Receiver Policy (PIM)

Command Mode

- /exec

show nbm flow-policy

```
show nbm flow-policy [ name { <policy-name> } ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [
__readonly__ TABLE_vrf { <vrfName> [ <policyName> ] [ { <defaultBandwidthKbps> <defaultDscp>
<defaultQos> <defaultPolicer> } ] [ { TABLE_flow_policy <groupRange> <bandwidthKbps> <dscp> <qos>
<policer> <policyName> } ] <numGroupRanges> <numPolicies> } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flow-policy	Flow policy show command
name	(Optional) Policy name
<i>policy-name</i>	(Optional) Policy name value
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrfName</i>	(Optional) VRF name
<i>policyName</i>	(Optional) Policy name
<i>defaultBandwidthKbps</i>	(Optional) Default Bandwidth in Kbps
<i>defaultDscp</i>	(Optional) Default DSCP
<i>defaultQos</i>	(Optional) Default QOS
<i>defaultPolicer</i>	(Optional) Default Policer
TABLE_flow_policy	(Optional) Flow policies in VRF
<i>groupRange</i>	(Optional) Group range
<i>bandwidthKbps</i>	(Optional) Bandwidth in Kbps
<i>dscp</i>	(Optional) DSCP
<i>qos</i>	(Optional) QOS
<i>policer</i>	(Optional) Policer

<i>policyName</i>	(Optional) Policy Name
<i>numGroupRanges</i>	(Optional) Number of group or group-range
<i>numPolicies</i>	(Optional) Number of flow policies

Command Mode

- /exec

show nbm flows

```
show nbm flows [ group-based [ group <group-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name>
} } | source <source-ip> [ group <group-ip> ] | group <group-ip> [ source <source-ip> ] | interface <if-name>
| logical-id { none | any | <lid-val> } | profile-id <prof-id> ] [ all | active | inactive | no-receiver ] [ detail ] [
vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf <vrf-name> ] [ TABLE_flows
{ <mcast_grp> <src_ip> [ <start_time> ] <uptime> <src_intf> <src_nbr_device> [ <lid> <profile> <status>
] <num_rx> <bw_mbps> [ <cfg_mbps> ] <src_slot> <src_unit> <src_slice> } [ { <act_slot> <act_unit>
<stdby_slot> <stdby_unit> } ] { <dscp> <qos> [ <owner_type> ] <policed> [ <is_fhr> ] <pol_name> } [
<flag> ] [ TABLE_num_int_links { <n_link> <num_links> } ] [ TABLE_int_links { <iiod> <ilink> <i_ifidx>
<fab_iiod> <fab_oiod> <fab_ifidx> <oiod> <olink> <i_ieth_port> <fab_ieth_port> } ] [ TABLE_oifs { [
<oif_num> ] <oif_slot> <oif_unit> <oif_slot_unit_num_rx> <oif_if_idx> <oif_ioid> <oif_name>
<oif_nbr_device> } ] [ { <end_timestr> <flow_rate_bps> <packets> <bytes> } ] ] ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
active	(Optional) Active flows (default)
inactive	(Optional) Inactive flows
no-receiver	(Optional) Flows without any receiver
all	(Optional) Both active and inactive flows
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address
interface	(Optional) Ingress interface
logical-id	(Optional) Logical ID (LID)
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)

none	(Optional) Without any Logical ID (LID)
profile-id	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>prof-id</i>	(Optional) Profile ID value
detail	(Optional) Detailed output
<i>if-name</i>	(Optional) Interface name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
TABLE_flows	(Optional) Flow table
<i>mcast_grp</i>	(Optional) Multicast group IP
<i>src_ip</i>	(Optional) Source IP
<i>start_time</i>	(Optional) Start time for the flow
<i>uptime</i>	(Optional) Uptime for the flow
<i>src_intf</i>	(Optional) Ingress source interface
<i>src_nbr_device</i>	(Optional) Ingress neighbor device name
<i>lid</i>	(Optional) Logical internal flow ID
<i>profile</i>	(Optional) Profile ID
<i>status</i>	(Optional) Flow status
<i>num_rx</i>	(Optional) Number of receivers (OIFs)
<i>bw_mbps</i>	(Optional) Set bandwidth
<i>cfg_mbps</i>	(Optional) Configured bandwidth
<i>src_slot</i>	(Optional) Source (RPF) slot
<i>src_unit</i>	(Optional) Source (RPF) unit
<i>src_slice</i>	(Optional) Source (RPF) slice
<i>dscp</i>	(Optional) Flow DSCP
<i>qos</i>	(Optional) Flow QOS group
<i>owner_type</i>	(Optional) Flow Owner type
<i>policed</i>	(Optional) Flow is policed or not
<i>is_fhr</i>	(Optional) This node is FHR (First-Hop Router) for the Flow

<i>pol_name</i>	(Optional) Flow Policy name
<i>vrf</i>	(Optional) Display per-VRF information
<i>all</i>	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>act_slot</i>	(Optional) Active FM Slot
<i>act_unit</i>	(Optional) Active FM Unit
<i>stdby_slot</i>	(Optional) Standby FM Slot
<i>stdby_unit</i>	(Optional) Standby FM Unit
<i>flag</i>	(Optional) Flow not guarantee flag
<i>TABLE_num_int_links</i>	(Optional) Internal link number table
<i>n_link</i>	(Optional) N Link
<i>num_links</i>	(Optional) Number of Links
<i>TABLE_int_links</i>	(Optional) Internal link table
<i>iiod</i>	(Optional) IIOD
<i>ilink</i>	(Optional) Ilink
<i>i_ifidx</i>	(Optional) Internal IF IDX
<i>fab_iiod</i>	(Optional) Fabric IIOD
<i>fab_oiod</i>	(Optional) Fabric OIOD
<i>fab_ifidx</i>	(Optional) Fabric IFIDX
<i>oiod</i>	(Optional) OIOD
<i>olink</i>	(Optional) OLink
<i>i_ieth_port</i>	(Optional) Internal IEth Link
<i>fab_ieth_port</i>	(Optional) Fabric IEth Port
<i>TABLE_oifs</i>	(Optional) OIF table
<i>oif_num</i>	(Optional) Receiver serial number
<i>oif_slot</i>	(Optional) Slot
<i>oif_unit</i>	(Optional) Unit
<i>oif_slot_unit_num_rx</i>	(Optional) Number of Receivers for slot/unit

<i>oif_if_idx</i>	(Optional) Receiver interface index
<i>oif_iod</i>	(Optional) Outgoing IOD
<i>oif_name</i>	(Optional) Outgoing interface name
<i>oif_nbr_device</i>	(Optional) Outgoing neighbor device name
<i>end_timestr</i>	(Optional) Deleted flow end time
<i>flow_rate_bps</i>	(Optional) Deleted flow flow rate in bps
<i>packets</i>	(Optional) Deleted flow packets
<i>bytes</i>	(Optional) Deleted flow bytes

Command Mode

- /exec

show nbm flows static

```
show nbm flows static [ group <grp> ] [ source <src> ] [ stitched | unstitched ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] [ __readonly__ { [ TABLE_vrf <vrf-name> [ TABLE_stitched { <stitchedSrc>
<stitchedGrp> [ TABLE_stitchedEgress { <stitchedEgressIntf> } ] [ TABLE_stitchedHost { <stitchedHostIp>
} ] } ] [ TABLE_unstitched { <unstitchedSrc> <unstitchedGrp> [ TABLE_unstitchedEgress {
<unstitchedEgressIntf> } ] [ TABLE_unstitchedHost { <unstitchedHostIp> } ] } ] } ] }
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
static	Static NBM Flows
group	(Optional) Multicast group
<i>grp</i>	(Optional) Multicast group address
source	(Optional) Source ip of sender
<i>src</i>	(Optional) Source address
stitched	(Optional) Show only successfully provisioned oif
unstitched	(Optional) Show only failed to provision oif
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
TABLE_stitched	(Optional) Static Flows stitched table
<i>stitchedSrc</i>	(Optional) Source IP address stitched
<i>stitchedGrp</i>	(Optional) Multicast Group address stitched
TABLE_stitchedEgress	(Optional) Egress Interface table stitched flows
<i>stitchedEgressIntf</i>	(Optional) Egress Interface for stitched flows
TABLE_stitchedHost	(Optional) Host IP table for stitched flows

<i>stitchedHostIp</i>	(Optional) Host IP address for stitched flows
TABLE_unstitched	(Optional) Static Flows unstitched
<i>unstitchedSrc</i>	(Optional) Source IP address unstitched
<i>unstitchedGrp</i>	(Optional) Multicast Group address unstitched
TABLE_unstitchedEgress	(Optional) Egress Interface table unstitched flows
<i>unstitchedEgressIntf</i>	(Optional) Egress Interface for unstitched flows
TABLE_unstitchedHost	(Optional) Host IP table for unstitched flows
<i>unstitchedHostIp</i>	(Optional) Host IP address for unstitched flows

Command Mode

- /exec

show nbm flows statistics

```
show nbm flows statistics [ group-based [ group <group-ip> ] | source <source-ip> [ group <group-ip> ] |
group <group-ip> [ source <source-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } |
interface <if-name> | logical-id { none | any | <lid-val> } | profile-id <prof-id> ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] [ __readonly__ { [ TABLE_vrf <vrf-name> [ TABLE_stats { <mcast_grp>
<src_ip> [ <start_time> ] <uptime> <src_intf> <packets> <bytes> <allow_bytes> <drop_bytes> } ] } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
statistics	Flow statistics
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address value
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address value
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
interface	(Optional) Ingress interface
<i>if-name</i>	(Optional) Interface interface name
logical-id	(Optional) Logical ID (LID)
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)
none	(Optional) Without any Logical ID (LID)
profile-id	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>prof-id</i>	(Optional) Profile ID value
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name

<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
<i>TABLE_vrf</i>	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>TABLE_stats</i>	(Optional) Flow stats table
<i>mcast_grp</i>	(Optional) Multicast group IP
<i>src_ip</i>	(Optional) Source IP
<i>start_time</i>	(Optional) Start time for the flow
<i>uptime</i>	(Optional) Uptime for the flow
<i>src_intf</i>	(Optional) Ingress source interface
<i>packets</i>	(Optional) Packets
<i>bytes</i>	(Optional) Bytes
<i>allow_bytes</i>	(Optional) Allowed bytes
<i>drop_bytes</i>	(Optional) Dropped bytes

Command Mode

- /exec

show nbm flows summary

```
show nbm flows summary [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf
<vrf-name> [ TABLE_flows_summary <flow_type> <starg> <sg> <total> ] [ TABLE_flows_summary_per_rpf
<if-name> <starg> <sg> <total> ] ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM Flows
summary	NBM Flow Summary
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
TABLE_flows_summary	(Optional) Flow summary table
<i>flow_type</i>	(Optional) Type of Flow Summary
<i>sg</i>	(Optional) (S,G) number of flows
<i>starg</i>	(Optional) (*,G) number of flows
<i>total</i>	(Optional) Total Flows
TABLE_flows_summary_per_rpf	(Optional) Flow summary table per RPF
<i>if-name</i>	(Optional) RPF Interface name
<i>sg</i>	(Optional) (S,G) number of flows
<i>starg</i>	(Optional) (*,G) number of flows
<i>total</i>	(Optional) Total Flows

Command Mode

- /exec

show nbm host-policy all

```
show nbm host-policy all { sender | { receiver { local | external } } } [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf <vrf-name> <policyType> <defaultHostPolicy>
[ TABLE_host_policies <seqNum> <source> <group> <groupMask> [ <host> ] <permission> ] <numPolicies>
] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
all	All policies on switch
sender	Sender Policy
receiver	Receiver Policy
local	Local receiver policy
external	External receiver policy
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>policyType</i>	(Optional) Type of Policy
<i>defaultHostPolicy</i>	(Optional) Default Permission for Host Policy
TABLE_host_policies	(Optional) Host policy table
<i>seqNum</i>	(Optional) Sequence number
<i>source</i>	(Optional) Source IP
<i>group</i>	(Optional) Multicast group IP
<i>groupMask</i>	(Optional) Group mask length
<i>host</i>	(Optional) Reporter or Host IP

<i>permission</i>	(Optional) Permission for this Policy
<i>numPolicies</i>	(Optional) Number of Policies

Command Mode

- /exec

show nbm host-policy applied receiver

```
show nbm host-policy applied receiver { { { local { all | wildcard } | external } [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] } | { local interface <if-name> } } [ __readonly__ [ TABLE_vrf <vrf-name>
<policyType> <defaultHostPolicy> [ TABLE_interface <ifName> [ TABLE_host_policies <seqNum>
<source> <group> <groupMask> <permission> <denyCounter> ] ] [ TABLE_wildcard_policies
<seqNumWildcard> <sourceWildcard> <groupWildcard> <groupMaskWildcard> <permissionWildcard>
<denyCounterWildcard> ] <numPolicies> ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
receiver	Receiver Policy
local	Local receiver policy
all	All policies on switch
wildcard	All wildcard policies
external	External receiver policy
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
all	(Optional) Display all VRFs
interface	Interface
<i>if-name</i>	Interface name
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>policyType</i>	(Optional) Type of Policy
<i>defaultHostPolicy</i>	(Optional) Default Permission for Host Policy
TABLE_interface	(Optional) Interface table
<i>ifName</i>	(Optional) Interface name

TABLE_host_policies	(Optional) Host policy table
<i>seqNum</i>	(Optional) Sequence number
<i>source</i>	(Optional) Source IP
<i>group</i>	(Optional) Multicast group IP
<i>groupMask</i>	(Optional) Group mask length
<i>permission</i>	(Optional) Permission for this Policy
<i>denyCounter</i>	(Optional) Deny Counter
TABLE_wildcard_policies	(Optional) Wildcard policy table
<i>seqNumWildcard</i>	(Optional) Sequence number
<i>sourceWildcard</i>	(Optional) Source IP
<i>groupWildcard</i>	(Optional) Multicast group IP
<i>groupMaskWildcard</i>	(Optional) Group mask length
<i>permissionWildcard</i>	(Optional) Permission for this Policy
<i>denyCounterWildcard</i>	(Optional) Deny Counter
<i>numPolicies</i>	(Optional) Number of Policies

Command Mode

- /exec

show nbm host-policy applied sender

```
show nbm host-policy applied sender { { { all | wildcard } [ vrf { <vrf-name> | <nbm-vrf-known-name> | all
} ] } | { interface <if-name> } } [ __readonly__ [ TABLE_vrf <vrf-name> <policyType> <defaultHostPolicy>
[ TABLE_interface <ifName> [ TABLE_host_policies <seqNum> <source> <group> <groupMask>
<permission> ] ] [ TABLE_wildcard_policies <seqNumWildcard> <sourceWildcard> <groupWildcard>
<groupMaskWildcard> <permissionWildcard> ] <numPolicies> ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
sender	Sender Policy
all	All policies on switch
wildcard	Wildcard host policy
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
interface	Interface
<i>if-name</i>	Interface name
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>policyType</i>	(Optional) Type of Policy
<i>defaultHostPolicy</i>	(Optional) Default Permission for Host Policy
TABLE_interface	(Optional) Interface table
<i>ifName</i>	(Optional) Interface name
TABLE_host_policies	(Optional) Host policy table
<i>seqNum</i>	(Optional) Sequence number
<i>source</i>	(Optional) Source IP

<i>group</i>	(Optional) Multicast group IP
<i>groupMask</i>	(Optional) Group mask length
<i>permission</i>	(Optional) Permission for this Policy
TABLE_wildcard_policies	(Optional) Wildcard policy table
<i>seqNumWildcard</i>	(Optional) Sequence number
<i>sourceWildcard</i>	(Optional) Source IP
<i>groupWildcard</i>	(Optional) Multicast group IP
<i>groupMaskWildcard</i>	(Optional) Group mask length
<i>permissionWildcard</i>	(Optional) Permission for this Policy
<i>numPolicies</i>	(Optional) Number of Policies

Command Mode

- /exec

show nbm interface bandwidth

```
show nbm interface bandwidth [ __readonly__ [ TABLE_bw { <index> <ifname> <iod> <slot> <unit> <slice>
<ingr_fl_bw_available> <ingr_fl_bw_usable> <ingr_fl_bw_capacity> <egr_fl_bw_available>
<egr_fl_bw_usable> <egr_fl_bw_capacity> <nbr_dev_id> <nbr_dev_name> <external> } ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
interface	interface
bandwidth	Bandwidth interface table
__readonly__	(Optional)
TABLE_bw	(Optional) TABLE Bandwidth
<i>index</i>	(Optional) Index
<i>ifname</i>	(Optional) Interface
<i>iod</i>	(Optional) IOD
<i>slot</i>	(Optional) SLOT
<i>unit</i>	(Optional) UNIT
<i>slice</i>	(Optional) SLICE
<i>ingr_fl_bw_available</i>	(Optional) Ingress Flow BW available
<i>ingr_fl_bw_usable</i>	(Optional) Ingress Flow BW usable
<i>ingr_fl_bw_capacity</i>	(Optional) Ingress Flow BW capacity
<i>egr_fl_bw_available</i>	(Optional) Egress Flow BW available
<i>egr_fl_bw_usable</i>	(Optional) Egress Flow BW usable
<i>egr_fl_bw_capacity</i>	(Optional) Egress Flow BW capacity
<i>nbr_dev_id</i>	(Optional) Neighbor device ID
<i>nbr_dev_name</i>	(Optional) Neighbor device name
<i>external</i>	(Optional) External

Command Mode

- /exec

show ngoam interface statistics

```
show ngoam interface statistics [ __readonly__ [ TABLE_stats { <interface-name> <tx> <rx> } <statistics-end> ] ]
```

Syntax Description

TABLE_stats	(Optional) interface statistics table
<i>interface-name</i>	(Optional) interface namestring
<i>tx</i>	(Optional) ngoam probe transmit on the interface
<i>rx</i>	(Optional) ngoam probe receive on the interface
show	Show running system information
ngoam	ngoam
interface	probe packet interface
statistics	ngoam probe interface statistics
__readonly__	(Optional) Read Only
<i>statistics-end</i>	(Optional) statistics table end marker

Command Mode

- /exec

show ngoam loopback

```
show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle>
| all } } } } [ __readonly__ [ TABLE_statistics { <sender-handle> [ <connect-check-id> ] <last-clear-stats>
TABLE_stats_attr { <stat-attr> <stat-value> } } ] [ TABLE_status { <st-sender-handle> <type> <state> } ]
[ TABLE_statistics_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd>
<req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
loopback	ngoam loopback
statistics	ngoam loopback statistics
summary	ngoam loopback statistics summary
status	ngoam loopback status
session	ngoam loopback session
session	ngoam loopback session
<i>handle</i>	ngoam loopback session handle
<i>handle</i>	ngoam loopback session handle
all	Display results for all ping/loopback sessions
all	Display results for all ping/loopback sessions
TABLE_statistics	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>connect-check-id</i>	(Optional) connect check id
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_statistics_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received

<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received
<i>req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>req-drop</i>	(Optional) Requests dropped
<i>resp-drop</i>	(Optional) Responses dropped
TABLE_status	(Optional) database status table
<i>st-sender-handle</i>	(Optional) sender handle
<i>type</i>	(Optional) ngoam ping type
<i>state</i>	(Optional) ngoam ping state
__readonly__	(Optional) Read Only

Command Mode

- /exec

show ngoam pathtrace

```
show ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database session {
<handle> | all } [ detail ] } } [ __readonly__ [ { TABLE_stats <sender-handle> <last-clear-stats> [
TABLE_stats_fields { <stat-attr> <stat-value> } ] } ] [ { TABLE_summary <last-clear-summary-stats> <tx>
<rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup>
<resp-sw-fwd> <resp-drop> } ] [ { TABLE_database <db-sender-handle> <db-start-time> <db-end-time>
<db-last-clear-stats> <db-tx> <db-rx> <db-timeout> <db-unsent> <db-req-sw-fwd> <db-req-drop> <db-resp-tx>
<db-resp-rx> <db-resp-unsent> <db-resp-dup> <db-resp-sw-fwd> <db-resp-drop> { TABLE_db_reply
<seq-number> <cli-status> [ <reply-ip> ] [ <ingress-if> ] [ <ingress-if-state> ] [ <egress-if> ] [ <egress-if-state>
] [ { TABLE_ifstats <if-name> <rx-len> <rx-bytes> <rx-pkt-rate> <rx-byte-rate> <rx-load> <rx-ucast>
<rx-mcast> <rx-bcast> <rx-discards> <rx-errors> <rx-unknown> <rx-bandwidth> <tx-len> <tx-bytes>
<tx-pkt-rate> <tx-byte-rate> <tx-load> <tx-ucast> <tx-mcast> <tx-bcast> <tx-discards> <tx-errors>
<tx-bandwidth> } ] [ <end-row> ] + } } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
pathtrace	ngoam pathtrace
statistics	ngoam pathtrace statistics
summary	ngoam pathtrace statistics summary
session	ngoam pathtrace session
<i>handle</i>	ngoam pathtrace session handle
all	Display results for all pathtrace sessions
database	ngoam pathtrace results from the database
session	ngoam pathtrace session
all	Display results for all pathtrace sessions
<i>handle</i>	ngoam pathtrace session handle
detail	(Optional) Show detailed stats if present
__readonly__	(Optional) Read Only
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_fields	(Optional) statistics entries
<i>stat-attr</i>	(Optional) stats type

<i>stat-value</i>	(Optional) stats value
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>req-drop</i>	(Optional) Requests dropped
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received
<i>resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>resp-drop</i>	(Optional) Responses dropped
TABLE_database	(Optional) pathtrace database
<i>db-sender-handle</i>	(Optional) Sender handle
<i>db-start-time</i>	(Optional) Start time
<i>db-end-time</i>	(Optional) End time
<i>db-last-clear-stats</i>	(Optional) Last clear stats
<i>db-tx</i>	(Optional) Tx packets
<i>db-rx</i>	(Optional) Rx packets
<i>db-timeout</i>	(Optional) Timeout
<i>db-unsent</i>	(Optional) Unsent
<i>db-req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>db-req-drop</i>	(Optional) Requests dropped
<i>db-resp-tx</i>	(Optional) Response tx
<i>db-resp-rx</i>	(Optional) Response Rx
<i>db-resp-unsent</i>	(Optional) Response unsent

<i>db-resp-dup</i>	(Optional) Duplicate response recvd
<i>db-resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>db-resp-drop</i>	(Optional) Responses dropped
TABLE_db_reply	(Optional) Replies
<i>seq-number</i>	(Optional) Sequence number
<i>cli-status</i>	(Optional) ngoam pathtrace status
<i>reply-ip</i>	(Optional) ngoam pathtrace reply ip
<i>ingress-if</i>	(Optional) Ingress interface
<i>ingress-if-state</i>	(Optional) Ingress interface state
<i>egress-if</i>	(Optional) Egress interface
<i>egress-if-state</i>	(Optional) Egress interface state
<i>end-row</i>	(Optional) Row end
TABLE_ifstats	(Optional) Interface statistics
<i>if-name</i>	(Optional) Interface name
<i>rx-len</i>	(Optional) Rx Length
<i>rx-bytes</i>	(Optional) Rx Bytes
<i>rx-pkt-rate</i>	(Optional) Rx packet rate
<i>rx-byte-rate</i>	(Optional) Rx byte rate
<i>rx-load</i>	(Optional) Rx load
<i>rx-ucast</i>	(Optional) Rx unicast pkts
<i>rx-mcast</i>	(Optional) Rx mcast pkts
<i>rx-bcast</i>	(Optional) Rx bcast pkts
<i>rx-discards</i>	(Optional) Rx discards
<i>rx-errors</i>	(Optional) Rx errors
<i>rx-unknown</i>	(Optional) Rx unknown
<i>rx-bandwidth</i>	(Optional) Rx bandwidth
<i>tx-len</i>	(Optional) Tx Length
<i>tx-bytes</i>	(Optional) Tx Bytes
<i>tx-pkt-rate</i>	(Optional) Tx packet rate

<i>tx-byte-rate</i>	(Optional) Tx byte rate
<i>tx-load</i>	(Optional) Tx load
<i>tx-ucast</i>	(Optional) Tx unicast pkts
<i>tx-mcast</i>	(Optional) Tx mcast pkts
<i>tx-bcast</i>	(Optional) Tx bcast pkts
<i>tx-discards</i>	(Optional) Tx discards
<i>tx-errors</i>	(Optional) Tx unknown
<i>tx-bandwidth</i>	(Optional) Tx bandwidth

Command Mode

- /exec

show ngoam probe

```
show ngoam probe { { statistics { summary | { session { <handle> | all } } } } [ __readonly__ [ TABLE_stats
{ <sender-handle> <transaction-id> <dst-vip> <vni> <oam-type> <flow-str> <last-clear-stats> <req-sent>
<req-not-sent> } <statistics-end> ] [ TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout>
<unsent> <resp-tx> <resp-rx> <resp-unsent> } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
probe	ngoam probe
statistics	ngoam probe statistics
summary	ngoam probe statistics summary
session	ngoam probe session
<i>handle</i>	ngoam probe session handle
all	Display results for all probe sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>transaction-id</i>	(Optional) Transaction Identifier
<i>dst-vip</i>	(Optional) Destination Vtep ip address
<i>vni</i>	(Optional) vxlan header vni
<i>oam-type</i>	(Optional) draft pang oam type
<i>flow-str</i>	(Optional) 128 byte flow string.
<i>last-clear-stats</i>	(Optional) last clear time for statistics
<i>req-sent</i>	(Optional) request sent
<i>req-not-sent</i>	(Optional) request not sent or failed
<i>statistics-end</i>	(Optional) statistics table end marker
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received

<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>__readonly__</i>	(Optional) Read Only

Command Mode

- /exec

show ngoam traceroute statistics

```
show ngoam traceroute statistics { summary | { session { <handle> | all } } } [ __readonly__ [ TABLE_stats
{ <sender-handle> <last-clear-stats> TABLE_stats_attr { <stat-attr> <stat-value> } } ] [ TABLE_summary
{ <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <resp-tx> <resp-rx> <resp-unsent> <resp-dup>
} ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
traceroute	ngoam traceroute
statistics	ngoam traceroute statistics
summary	ngoam traceroute statistics summary
session	ngoam traceroute session
<i>handle</i>	ngoam traceroute session handle
all	Display results for all traceroute sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent

<i>resp-dup</i>	(Optional) Duplicate responses received
<i>__readonly__</i>	(Optional) Read Only

Command Mode

- /exec

show ngoam xconnect session

```
show ngoam xconnect session { <id> [ iodb ] | all [ dbdump ] } [ __readonly__ [ TABLE_xc_db_summary
{ [ <legend> ] <vlan-id> <peer-ip> <vni> <db-state> <local-if> <local-if-state> <remote-if> <remote-if-state>
[ <end-row> ] + } + ] [ ENTRY_xc_db_detail { <detail> <d-vlan-id> <d-peer-ip> [ <peer-name> ] <d-vni>
<d-db-state> <last-state-change-ts> <d-local-if> <d-local-if-state> <vpc-if> <vpc-if-state> <remote-if-detail>
<remote-if-detail-state> <remote-vpc-if> <remote-vpc-if-state> [ <d-end-row> ] + } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam information
xconnect	crossconnect info
session	xc session id
<i>id</i>	Vlan-id of the xc
iodb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	show summary info for all sessions
<u>__readonly__</u>	(Optional) Read Only
TABLE_xc_db_summary	(Optional) XC Db table
ENTRY_xc_db_detail	(Optional) XC Db detail
<i>detail</i>	(Optional) Detail or not
<i>vlan-id</i>	(Optional) Vlan id
<i>d-vlan-id</i>	(Optional) Vlan id
<i>vni</i>	(Optional) vni
<i>d-vni</i>	(Optional) vni
<i>local-if</i>	(Optional) Interface
<i>d-local-if</i>	(Optional) Interface
<i>local-if-state</i>	(Optional) Interface state
<i>d-local-if-state</i>	(Optional) Interface state
<i>remote-if</i>	(Optional) Remote interface
<i>remote-if-state</i>	(Optional) Remote interface state
<i>remote-if-detail</i>	(Optional) Remote interface
<i>remote-if-detail-state</i>	(Optional) Remote interface state

<i>vpc-if</i>	(Optional) Interface
<i>vpc-if-state</i>	(Optional) Interface state
<i>remote-vpc-if</i>	(Optional) Remote vpc interface
<i>remote-vpc-if-state</i>	(Optional) Remote vpc interface state
<i>db-state</i>	(Optional) XC state
<i>d-db-state</i>	(Optional) XC state
<i>last-state-change-ts</i>	(Optional) Last state change timestamp
<i>peer-ip</i>	(Optional) Peer ip
<i>d-peer-ip</i>	(Optional) Peer ip
<i>peer-name</i>	(Optional) Peer name
<i>end-row</i>	(Optional) end row
<i>d-end-row</i>	(Optional) end row
<i>legend</i>	(Optional) legend
dbdump	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show npv external-interface-usage

```
show npv external-interface-usage [ server-interface <if0> ] [ __readonly__ { TABLE_intf_usage <svr_intf>
<ext_intf> } ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
external-interface-usage	Show external interface usage by server interfaces
server-interface	(Optional) Show external interface usage by a server interface
<i>if0</i>	(Optional)
__readonly__	(Optional) Read Only
TABLE_intf_usage	(Optional) External Interfaces Usage Table
<i>svr_intf</i>	(Optional) Server Interface
<i>ext_intf</i>	(Optional) External Interface

Command Mode

- /exec

show npv flogi-table

```
show npv flogi-table [ { interface <iif0> | vsan <i0> } ] [ __readonly__ [ [ TABLE_flogi <svr_intf> <vsan_id>
<fcid> <pwwn> <ext_intf> <nwwn> ] [ <flogi_count> ] ] ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
flogi-table	Show information about FLOGI sessions
interface	(Optional) Show information about FLOGI sessions for a server interface
<i>if0</i>	(Optional)
vsan	(Optional) Show information about FLOGI sessions for a VSAN
<i>i0</i>	(Optional)
__readonly__	(Optional) Read Only
TABLE_flogi	(Optional) FLOGI Table
<i>svr_intf</i>	(Optional) Server Interface
<i>vsan_id</i>	(Optional) VSAN ID
<i>fcid</i>	(Optional) FLOGI FCID
<i>pwwn</i>	(Optional) The PWWN
<i>ext_intf</i>	(Optional) External Interface
<i>nwwn</i>	(Optional) The NWWN
<i>flogi_count</i>	(Optional) Total FLOGI Count

Command Mode

- /exec

show npv status

```
show npv status [ vsan <i0> ] [ __readonly__ [ [ <npiv_status> ] [ <load_balance> ] [ { TABLE_extintf
<ext_intf> [ <ext_vsan> ] [ <ext_fcid> ] <ext_state> [ { TABLE_vsan <vsan_vsan> <vsan_state> [ <vsan_fcid>
} } ] ] <ext_intf_count> [ { TABLE_svrntf <svr_intf> <svr_vsan> <svr_state> } ] <svr_intf_count> ] ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
status	Show NPV status
vsan	(Optional) Show NPV status for a specific VSAN
i0	(Optional)
__readonly__	(Optional) Read Only
npiv_status	(Optional) NPIV enable/disable status
load_balance	(Optional) disruptive load balance status
TABLE_extintf	(Optional) External Interfaces Table
ext_intf	(Optional) External Interface
ext_vsan	(Optional) External Interface VSAN
ext_fcid	(Optional) External Interface FCID
ext_state	(Optional) External Interface State
TABLE_vsan	(Optional) External Interfaces VSAN Table
vsan_vsan	(Optional) External Interface VSAN
vsan_state	(Optional) VSAN State
vsan_fcid	(Optional) VSAN FCID
ext_intf_count	(Optional) External Interface count
TABLE_svrntf	(Optional) Server Interfaces Table
svr_intf	(Optional) Server Interface
svr_vsan	(Optional) Server Interface VSAN
svr_state	(Optional) Server Interface State
svr_intf_count	(Optional) Server Interface count

Command Mode

- /exec

show npv traffic-map

```
show npv traffic-map [ server-interface <iif0> ] [ __readonly__ [ { TABLE_traffic_map <svr_intf> <ext_intf>
} ] ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
traffic-map	Show information about Traffic Map
server-interface	(Optional) Show information about Traffic map for a server interface
<i>iif0</i>	(Optional)
__readonly__	(Optional) Read Only
TABLE_traffic_map	(Optional) Traffic Map Table
<i>svr_intf</i>	(Optional) Server Interface
<i>ext_intf</i>	(Optional) External Interface

Command Mode

- /exec

show ntp access-groups

```
show ntp access-groups [ __readonly__ [ <matchall> ] [ { TABLE_accessgroups <accesslist> [ <type> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
access-groups	Display NTP access groups
__readonly__	(Optional)
<i>matchall</i>	(Optional) matchall
TABLE_accessgroups	(Optional) accessgroups
<i>accesslist</i>	(Optional) accesslist
<i>type</i>	(Optional) type

Command Mode

- /exec

show ntp authentication-keys

```
show ntp authentication-keys [ __readonly__ [ { TABLE_authkeys <Authkey> [ <MD5String> ] } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-keys	Display authentication keys
__readonly__	(Optional)
TABLE_authkeys	(Optional) authentication keys
<i>Authkey</i>	(Optional) authentication key
<i>MD5String</i>	(Optional) password

Command Mode

- /exec

show ntp authentication-status

```
show ntp authentication-status [ __readonly__ [ <authentication> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-status	NTP Authentication Status
<i>__readonly__</i>	(Optional)
<i>authentication</i>	(Optional) authentication enabled/disabled

Command Mode

- /exec

show ntp information

```
show ntp information [ __readonly__ [ <system_type> ] [ <software_version> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
information	Show ntp information
<i>__readonly__</i>	(Optional)
<i>system_type</i>	(Optional) Ntp System Type
<i>software_version</i>	(Optional) Ntp Software Version

Command Mode

- /exec

show ntp logging-status

show ntp logging-status [__readonly__ [<loggingstatus>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
logging-status	Display NTP logging status
__readonly__	(Optional)
<i>loggingstatus</i>	(Optional) logging enabled/disabled

Command Mode

- /exec

show ntp peer-status

```
show ntp peer-status [ __readonly__ [ <totalpeers> ] [ { TABLE_peersstatus <syncmode> <remote> <local>
<st> <poll> <reach> <delay> [ <vrf> ] } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
peer-status	Show the status for all the server/peers
<i>__readonly__</i>	(Optional)
<i>totalpeers</i>	(Optional) totalpeers
TABLE_peersstatus	(Optional) peersstatus
<i>syncmode</i>	(Optional) peermode
<i>remote</i>	(Optional) remote addr
<i>local</i>	(Optional) local addr
<i>st</i>	(Optional) stratum
<i>poll</i>	(Optional) ntp poll
<i>reach</i>	(Optional) reach
<i>delay</i>	(Optional) delay
<i>vrf</i>	(Optional) vrf name

Command Mode

- /exec

show ntp peers

```
show ntp peers [ __readonly__ [ { TABLE_peers <PeerIPAddress> <serv_peer> <conf_flag> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
peers	Show all the peers.
__readonly__	(Optional)
TABLE_peers	(Optional) peers
<i>PeerIPAddress</i>	(Optional) peer Ip addr
<i>serv_peer</i>	(Optional) server or peer
<i>conf_flag</i>	(Optional) configured or dynamic

Command Mode

- /exec

show ntp rts-update

```
show ntp rts-update [ __readonly__ [ <rtsupdate> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
rts-update	Show if the RTS update is enabled
__readonly__	(Optional)
<i>rtsupdate</i>	(Optional) rts update enabled/disabled

Command Mode

- /exec

show ntp session status

```
show ntp session status [ __readonly__ [ <session_status> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
session	Show the session information
status	Show the session status
__readonly__	(Optional)
<i>session_status</i>	(Optional) last session status

Command Mode

- /exec

show ntp source-interface

```
show ntp source-interface [ __readonly__ [ <sourceinterface> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
source-interface	Source interface configured
__readonly__	(Optional)
<i>sourceinterface</i>	(Optional) source interface

Command Mode

- /exec

show ntp source

```
show ntp source [ __readonly__ [ { TABLE_sourceip <sourceip> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
source	Source IP address configured
__readonly__	(Optional)
TABLE_sourceip	(Optional) source ip table
<i>sourceip</i>	(Optional) source ip addr

Command Mode

- /exec

show ntp statistics

```
show ntp statistics [ { [ io ] | [ local ] | [ memory ] | peer { ipaddr { <ipv4_0> | <ipv6_1> } | name <s0> } } [
__readonly__ [ { <iotimesincereset> <ioreceivebuffers> <iofreereceivebuffers> <iousedreceivebuffers>
<iolowwaterrefills> <iodroppedpackets> <ioignoredpackets> <ioreceivedpackets> <iopacketsent>
<iopacketsnotsent> <iointerruptshandled> <ioreceivedbyint> } ] [ { <localsystemuptime> <localtimesincereset>
<localoldversionpackets> <localnewversionpackets> <localunknownversionnumber> <localbadpacketformat>
<localpacketsprocessed> <localbadauthentication> [ <localpacketsrejected> ] } ] [ { <memtimesincereset>
<memtotalpeermemory> <memfreepeermemory> <memcallstofindpeer> <memnewpeerallocations>
<mempeerdemobilizations> <memhashtablecounts> } ] [ { <peeripremotehost> <peeriplocalinterface>
<peeriptimelastreceived> <peeriptimeuntilnextsend> <peeripreachabilitychange> <peerippacketsent>
<peerippacketsreceived> <peeripbadauthentication> <peeripbogusorigin> <peeripduplicate>
<peeripbaddispersion> <peeripbadreferencetime> <peeripcandidateorder> } ] [ { <peernamereMOTEhost>
<peernamelocalinterface> <peernametimelastreceived> <peernametimeuntilnextsend>
<peernamereachabilitychange> <peernamepacketsent> <peernamepacketsreceived>
<peernamebadauthentication> <peernamebogusorigin> <peernameduplicate> <peernameduplicate>
<peernamebaddispersion> <peernamebadreferencetime> <peernamecandidateorder> } ] ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
statistics	Show the NTP statistics
io	(Optional) Show the input-output statistics.
local	(Optional) Show the counters maintained by the local NTP.
memory	(Optional) Show the statistics counters related to memory code.
peer	Show the per-peer statistics counter of a peer.
ipaddr	Peer's IP address
<i>ipv4_0</i>	
name	Peer's Name
<i>s0</i>	
<i>__readonly__</i>	(Optional)
<i>iotimesincereset</i>	(Optional) time since reset
<i>ioreceivebuffers</i>	(Optional) receive buffers
<i>iofreereceivebuffers</i>	(Optional) free receive buffers
<i>iousedreceivebuffers</i>	(Optional) used receive buffers
<i>iolowwaterrefills</i>	(Optional) low water refills

<i>iodroppedpackets</i>	(Optional) dropped packets
<i>ioignoredpackets</i>	(Optional) ignored packets
<i>ioreceivedpackets</i>	(Optional) received packets
<i>iopacketsent</i>	(Optional) packets sent
<i>iopacketsnotsent</i>	(Optional) packets not sent
<i>iointerruptshandled</i>	(Optional) interrupts handled
<i>ioreceivedbyint</i>	(Optional) received by int
<i>localsystemuptime</i>	(Optional) system up time
<i>localtimesincereset</i>	(Optional) time since reset
<i>localoldversionpackets</i>	(Optional) old version packets
<i>localnewversionpackets</i>	(Optional) new version packets
<i>localunknownversionnumber</i>	(Optional) unknown version number
<i>localbadpacketformat</i>	(Optional) bad packet format
<i>localpacketsprocessed</i>	(Optional) packets processed
<i>localbadauthentication</i>	(Optional) bad authentication
<i>localpacketsrejected</i>	(Optional) packets rejected
<i>memtimesincereset</i>	(Optional) time since reset
<i>memtotalpeermemory</i>	(Optional) total peer memory
<i>memfreepeermemory</i>	(Optional) free peer memory
<i>memcallstofindpeer</i>	(Optional) calls to find peer
<i>memnewpeerallocations</i>	(Optional) new peer allocations
<i>mempeerdemobilizations</i>	(Optional) peer demobilizations
<i>memhashtablecounts</i>	(Optional) hash table counts
<i>peeripremotehost</i>	(Optional) peeripremotehost
<i>peeriplocalinterface</i>	(Optional) peeriplocalinterface
<i>peeriptimelastreceived</i>	(Optional) peeriptimelastreceived
<i>peeriptimeuntilnextsend</i>	(Optional) peeriptimeuntilnextsend
<i>peeripreachabilitychange</i>	(Optional) peeripreachabilitychange
<i>peerippacketsent</i>	(Optional) peerippacketsent

<i>peerippacketsreceived</i>	(Optional) peerippacketsreceived
<i>peeripbadauthentication</i>	(Optional) peeripbadauthentication
<i>peeripbogusorigin</i>	(Optional) peeripbogusorigin
<i>peeripduplicate</i>	(Optional) peeripduplicate
<i>peeripbaddispersion</i>	(Optional) peeripbaddispersion
<i>peeripbadreferencetime</i>	(Optional) peeripbadreferencetime
<i>peeripcandidateorder</i>	(Optional) peeripcandidateorder
<i>peername remotehost</i>	(Optional) peername remotehost
<i>peername localinterface</i>	(Optional) peername localinterface
<i>peername timelastreceived</i>	(Optional) peername timelastreceived
<i>peername timeuntilnextsend</i>	(Optional) peername timeuntilnextsend
<i>peername reachabilitychange</i>	(Optional) peername reachabilitychange
<i>peername packetsent</i>	(Optional) peername packetsent
<i>peername packetsreceived</i>	(Optional) peername packetsreceived
<i>peername badauthentication</i>	(Optional) peername badauthentication
<i>peername bogusorigin</i>	(Optional) peername bogusorigin
<i>peername duplicate</i>	(Optional) peername duplicate
<i>peername baddispersion</i>	(Optional) peername baddispersion
<i>peername badreferencetime</i>	(Optional) peername badreferencetime
<i>peername candidateorder</i>	(Optional) peername candidateorder

Command Mode

- /exec

show ntp status

```
show ntp status [ __readonly__ [ <distribution> ] [ <operational_state> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
status	Show the NTP distribution status
<i>__readonly__</i>	(Optional)
<i>distribution</i>	(Optional) distribution enabled/disabled
<i>operational_state</i>	(Optional) last operation status

Command Mode

- /exec

show ntp trusted-keys

```
show ntp trusted-keys [ __readonly__ [ { TABLE_trustkeys <key> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
trusted-keys	Display trusted keys
__readonly__	(Optional)
TABLE_trustkeys	(Optional) trusted keys
<i>key</i>	(Optional) trusted key

Command Mode

- /exec

show nve adjacency mpls

```
show nve adjacency mpls [ __readonly__ TABLE_nve_mpls_adj [ { <peer-ip> | <peer-ipv6> } <evi> <label-sr>
<learn-mask> <pending-state> <adj-state> ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
adjacency	Downstream Adjacencies
mpls	Segment routing
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_mpls_adj</i>	(Optional) xml schema for sr nve parameters
<i>peer-ip</i>	(Optional) Peer IP address v4
<i>evi</i>	(Optional) EVI value
<i>label-sr</i>	(Optional) SR Label
<i>learn-mask</i>	(Optional) Learn mask for the peer
<i>pending-state</i>	(Optional) Peer adjacency pending state
<i>adj-state</i>	(Optional) Peer adjacency state

Command Mode

- /exec

show nve bfd neighbors

```
show nve bfd neighbors [ __readonly__ [ TABLE_nve_bfd_neighbors <if-name> [ { <neighbor-vtep-ip>
<neighbor-inner-ip> <neighbor-inner-mac> <neighbor-cc-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
bfd	BFD
neighbors	neighbors
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_bfd_neighbors</i>	(Optional) BFD neighbors schema
<i>if-name</i>	(Optional) if-name
<i>neighbor-vtep-ip</i>	(Optional) Remote VTEP IP address
<i>neighbor-inner-ip</i>	(Optional) Remote VTEP Inner IP address
<i>neighbor-inner-mac</i>	(Optional) Remote VTEP Inner MAC address
<i>neighbor-cc-state</i>	(Optional) Remote VTEP vPC consistency check state

Command Mode

- /exec

show nve core-links

```
show nve core-links [ __readonly__ [ TABLE_core_link <if-name> [ { <if-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
core-links	Core-links
__readonly__	(Optional)
TABLE_core_link	(Optional) xml schema for show nve core-links
<i>if-name</i>	(Optional) core-link interface name
<i>if-state</i>	(Optional) core-link interface oper state

Command Mode

- /exec

show nve ethernet-segment

```
show nve ethernet-segment [ summary ] [ { esi <esi-id> } ] [ __readonly__ [ TABLE_es { <esi> <if-name>
<es-state> [ { <po-state> <nve-if-name> <nve-state> <host-reach-mode> <active-vlans> <df-vlans>
<active-vnis> <cc-failed-vlans> <cc-timer-left> <num-es-mem> <local-ordinal> <df-timer-st> <config-status>
<df-list> <es-rt-added> <ead-rt-added> <ead-evi-rt-timer-age> } } ] ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
ethernet-segment	Ethernet-segment
summary	(Optional) Ethernet-segment summary
esi	(Optional) ESI Value
esi-id	(Optional) ESI ID
__readonly__	(Optional)
TABLE_es	(Optional) xml schema for show nve ethernet-segment
esi	(Optional) ESI value
if-name	(Optional) port-channel interface name
es-state	(Optional) Ethernet-segment oper state
po-state	(Optional) port-channel interface oper state
nve-if-name	(Optional) NVE interface name
nve-state	(Optional) NVE oper state
host-reach-mode	(Optional) host reach mode
active-vlans	(Optional) Active vlans on ES
df-vlans	(Optional) DF-vlans on ES
active-vnis	(Optional) Active VNIs on ES
cc-failed-vlans	(Optional) Vlans for which consistency check failed
cc-timer-left	(Optional) vlan CC timer status
num-es-mem	(Optional) number of es members
local-ordinal	(Optional) local-ordinal
df-timer-st	(Optional) df election start timer

<i>config-status</i>	(Optional) config state
<i>df-list</i>	(Optional) List of router-ips in DF list
<i>es-rt-added</i>	(Optional) ES route added to L2RIB
<i>ead-rt-added</i>	(Optional) EAD routes added to L2RIB
<i>ead-evi-rt-timer-age</i>	(Optional) EAD/EVI route advertisement timer age

Command Mode

- /exec

show nve evi

show nve evi [*__readonly__* *TABLE_nve_evi* [*<evi>* *<sw-bd>* *<label-sr>* *<oper-state>* *<evi-state>*]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
evi	Ethernet Virtual Identifier
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_evi</i>	(Optional) xml schema for nve evis
<i>evi</i>	(Optional) EVI value
<i>sw-bd</i>	(Optional) VLAN information
<i>label-sr</i>	(Optional) SR Label
<i>oper-state</i>	(Optional) EVI up or down
<i>evi-state</i>	(Optional) EVI state

Command Mode

- /exec

show nve interface

```
show nve interface [ <nve-if> [ detail ] ] [ __readonly__ [ TABLE_nve_if { <if-name> <if-state> <encap-type>
<vpc-capability> <local-rmac> <host-reach-mode> <source-if> { <primary-ip> | <primary-ipv6> } [
<secondary-ip> | <secondary-ipv6> } ] [ { <anycast-if> } { <anycast-ip> | <anycast-ipv6> } ] [ { <src-if-state>
[ <anyc-if-state> ] <adv-vmac> <nve-flags> <nve-if-handle> <src-if-holddown-tm> <src-if-holdup-tm>
<src-if-holddown-left> <vpc-compat-check> <vip-rmac> [ <vip-rmac-ro> ] <sm-state> [
<es-delay-restore-time> <es-delay-restore-time-left> ] [ <multisite-convergence-time>
<multisite-convergence-time-left> ] [ <multisite-bgw-if> <multisite-bgw-if-ip> <multisite-bgw-if-admin-state>
<multisite-bgw-if-oper-state> <multisite-bgw-if-oper-state-down-reason> } } } ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
interface	Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_nve_if	(Optional) xml schema for show nve interfaces
<i>if-name</i>	(Optional) interface name
<i>if-state</i>	(Optional) interface oper state
<i>encap-type</i>	(Optional) encap-type
<i>vpc-capability</i>	(Optional) vpc capability
<i>local-rmac</i>	(Optional) local router mac
<i>host-reach-mode</i>	(Optional) host reach mode
<i>source-if</i>	(Optional) source-interface
<i>primary-ip</i>	(Optional) primary-ip
<i>secondary-ip</i>	(Optional) secondary-ip
<i>anycast-if</i>	(Optional) anycast-interface
<i>anycast-ip</i>	(Optional) anycast-ip
<i>src-if-state</i>	(Optional) source-interface state
<i>anyc-if-state</i>	(Optional) anycast-interface state
<i>adv-vmac</i>	(Optional) advertise virtual rmac

<i>nve-flags</i>	(Optional) nve-flags
<i>nve-if-handle</i>	(Optional) interface handle
<i>src-if-holddown-tm</i>	(Optional) hold down time
<i>src-if-holdup-tm</i>	(Optional) hold up time
<i>src-if-holddown-left</i>	(Optional) hold down time left
<i>vpc-compat-check</i>	(Optional) vpc-compat-check
<i>vip-rmac</i>	(Optional) Generated VIP MAC
<i>vip-rmac-ro</i>	(Optional) Generated VIP MAC Re-origination
<i>sm-state</i>	(Optional) sm state
<i>es-delay-restore-time</i>	(Optional) es delay restore time
<i>es-delay-restore-time-left</i>	(Optional) es delay restore time left
<i>multisite-convergence-time</i>	(Optional) multisite convergence time
<i>multisite-convergence-time-left</i>	(Optional) multisite convergence time left
<i>multisite-bgw-if</i>	(Optional) multisite border gateway interface
<i>multisite-bgw-if-ip</i>	(Optional) multisite if ip
<i>multisite-bgw-if-admin-state</i>	(Optional) multisite if admin state
<i>multisite-bgw-if-oper-state</i>	(Optional) multisite if oper state
<i>multisite-bgw-if-oper-state-down-reason</i>	(Optional) multisite if oper state down reason

Command Mode

- /exec

show nve mpls

```
show nve mpls [ __readonly__ [ TABLE_nve_mpls { <source-if> { <primary-ip> | <primary-ipv6> } {
<secondary-ip> | <secondary-ipv6> } <sm-state> [ <down-reason> ] } ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
mpls	Segment routing
__readonly__	(Optional)
TABLE_nve_mpls	(Optional) xml schema for sr nve parameters
<i>source-if</i>	(Optional) source-interface
<i>primary-ip</i>	(Optional) primary-ip
<i>secondary-ip</i>	(Optional) secondary-ip
<i>sm-state</i>	(Optional) sm state
<i>down-reason</i>	(Optional) down reason

Command Mode

- /exec

show nve multisite dci-links

```
show nve multisite dci-links [ __readonly__ [ TABLE_multisite_dci_link <if-name> [ { <if-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
dci-links	dci-links
__readonly__	(Optional)
TABLE_multisite_dci_link	(Optional) xml schema for show nve multisite dci-links
<i>if-name</i>	(Optional) dci-link interface name
<i>if-state</i>	(Optional) dci-link interface oper state

Command Mode

- /exec

show nve multisite fabric-links

```
show nve multisite fabric-links [ __readonly__ [ TABLE_multisite_fabric_link <if-name> [ { <if-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
fabric-links	fabric-links
__readonly__	(Optional)
TABLE_multisite_fabric_link	(Optional) xml schema for show nve multisite fabric-links
<i>if-name</i>	(Optional) fabric-link interface name
<i>if-state</i>	(Optional) fabric-link interface oper state

Command Mode

- /exec

show nve peers

```
show nve peers [ [ interface <nve-if> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } | control-plane | data-plane
] [ detail ] ] [ control-plane-vni [ vni <vni-id> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] ] [ controller
] [ __readonly__ TABLE_nve_peers [ [ <detail> ] [ <control-plane-vni> ] [ <if-name> ] { <peer-ip> |
<peer-ipv6> } [ <peer-state> ] [ <learn-type> ] [ <uptime> ] [ <router-mac> ] [ { <first-vni> <create-ts>
<config-vnis> <provision-state> <cp-vni> <vni-assignment-mode> <dci-fabric-location> [ <stale-timer> ] }
] [ { <vni> <learn-src> <vni-gw-mac> <peer-type> } ] ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address
control-plane	(Optional) Show peers learned via control plane
data-plane	(Optional) Show peers learned via data plane
control-plane-vni	(Optional) Show details of control plane vnis
vni	(Optional) VNI ID
<i>vni-id</i>	(Optional) Virtual Network Identifier
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
<i>detail</i>	(Optional) detail
<i>control-plane-vni</i>	(Optional) control-plane-vni
TABLE_nve_peers	(Optional) schema peer
<i>if-name</i>	(Optional) if-name
<i>peer-ip</i>	(Optional) peer-ip
<i>peer-state</i>	(Optional) peer-state
<i>learn-type</i>	(Optional) learn-type

<i>uptime</i>	(Optional) uptime
<i>router-mac</i>	(Optional) router-mac
<i>first-vni</i>	(Optional) first-vni
<i>create-ts</i>	(Optional) create-timestamp
<i>config-vnis</i>	(Optional) config-vnis
<i>provision-state</i>	(Optional) provision-state
<i>cp-vni</i>	(Optional) cp-vni
<i>vni-assignment-mode</i>	(Optional) vni assignment mode
<i>dci-fabric-location</i>	(Optional) dci-fabric-location
<i>stale-timer</i>	(Optional) stale-timer
<i>vni</i>	(Optional) vni value
<i>learn-src</i>	(Optional) learn source
<i>vni-gw-mac</i>	(Optional) vni gateway mac
<i>peer-type</i>	(Optional) peer location wan/fabric

Command Mode

- /exec

show nve peers interface counters

```
show nve peers { <addr> | <addr-v6> } interface <nve-if> counters [ __readonly__ { <peer-ip> | <peer-ipv6>
} <tx_ucastpkts> <tx_ucastbytes> <tx_mcastpkts> <tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes>
<rx_mcastpkts> <rx_mcastbytes> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface
<i>__readonly__</i>	(Optional)
<i>peer-ip</i>	(Optional)
<i>tx_ucastpkts</i>	(Optional)
<i>tx_ucastbytes</i>	(Optional)
<i>tx_mcastpkts</i>	(Optional)
<i>tx_mcastbytes</i>	(Optional)
<i>rx_ucastpkts</i>	(Optional)
<i>rx_ucastbytes</i>	(Optional)
<i>rx_mcastpkts</i>	(Optional)
<i>rx_mcastbytes</i>	(Optional)

Command Mode

- /exec

show nve peers mpls

```
show nve peers mpls [ peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] [ detail ] [ __readonly__
TABLE_nve_mpls_peers [ [ <detail> ] { <peer-ip> | <peer-ipv6> } [ <peer-state> ] [ <uptime> ] [ <create-ts>
] [ <provision-state> ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
mpls	Segment routing peers
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address
<i>__readonly__</i>	(Optional)
<i>detail</i>	(Optional) detail
TABLE_nve_mpls_peers	(Optional) schema peer
<i>peer-ip</i>	(Optional) peer-ip
<i>peer-state</i>	(Optional) peer-state
<i>uptime</i>	(Optional) uptime
<i>create-ts</i>	(Optional) create-timestamp
<i>provision-state</i>	(Optional) provision-state

Command Mode

- /exec

show nve peers vni interface counters

```
show nve peers { { <addr> | <addr-v6> } | all } vni { <vni-id> | all } interface <nve-if> counters [ __readonly__
TABLE_nve_peer_vni_counters { <peer-ip> | <peer-ipv6> } <vni> <tx_ucastpkts> <tx_ucastbytes>
<tx_mcastpkts> <tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes> <rx_mcastpkts> <rx_mcastbytes> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
all	Show counters for all peers/VNIs
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface
__readonly__	(Optional)
TABLE_nve_peer_vni_counters	(Optional)
<i>peer-ip</i>	(Optional)
<i>vni</i>	(Optional)
<i>tx_ucastpkts</i>	(Optional)
<i>tx_ucastbytes</i>	(Optional)
<i>tx_mcastpkts</i>	(Optional)
<i>tx_mcastbytes</i>	(Optional)
<i>rx_ucastpkts</i>	(Optional)
<i>rx_ucastbytes</i>	(Optional)
<i>rx_mcastpkts</i>	(Optional)
<i>rx_mcastbytes</i>	(Optional)

Command Mode

- /exec

show nve replication-servers

```
show nve replication-servers [ __readonly__ [ TABLE_nve_replication_servers <if-name> [ { <server-ip>
<server-state> <server-ready> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
replication-servers	replication-servers
__readonly__	(Optional)
TABLE_nve_replication_servers	(Optional) replication servers schema
<i>if-name</i>	(Optional) if-name
<i>server-ip</i>	(Optional) Server IP address
<i>server-state</i>	(Optional) Server reachability state
<i>server-ready</i>	(Optional) Server ready state

Command Mode

- /exec

show nve vni

```
show nve vni [ { { interface <nve-if> | <vni-id> } [ detail ] } | control-plane | data-plane | summary | controller
] [ __readonly__ [ TABLE_nve_vni [ [ <detail> ] [ <if-name> <vni> <mcast> <vni-state> <mode> <type>
<flags> [ { <prvsn-state> <vlan-bd> <svi-state> <vpc-compat-check> } ] ] ] [ <summary> ] <cp-vni-count>
<cp-vni-up> <cp-vni-down> <dp-vni-count> <dp-vni-up> <dp-vni-down> ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information
control-plane	(Optional) show vni learned via BGP
data-plane	(Optional) show vni learned via data plane
summary	(Optional) show vni summary
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_nve_vni	(Optional) vni schema
<i>detail</i>	(Optional) detail
<i>if-name</i>	(Optional) if-name
<i>vni</i>	(Optional) vni
<i>mcast</i>	(Optional) mcast
<i>vni-state</i>	(Optional) vni-state
<i>mode</i>	(Optional) vni-mode
<i>type</i>	(Optional) vni-type
<i>flags</i>	(Optional) vni-flags
<i>prvsn-state</i>	(Optional) provision-state
<i>vlan-bd</i>	(Optional) vlan-bd

<i>svi-state</i>	(Optional) svi-state
<i>vpc-compat-check</i>	(Optional) vpc-compat-check
<i>summary</i>	(Optional) summary
<i>cp-vni-count</i>	(Optional) CP vni count
<i>cp-vni-up</i>	(Optional) CP vni up count
<i>cp-vni-down</i>	(Optional) CP vni down count
<i>dp-vni-count</i>	(Optional) DP vni count
<i>dp-vni-up</i>	(Optional) DP vni up count
<i>dp-vni-down</i>	(Optional) DP vni down count

Command Mode

- /exec

show nve vni counters

```
show nve vni <vni-id> counters [ __readonly__ <vni> <tx_ucastpkts> <tx_ucastbytes> <tx_mcastpkts>
<tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes> <rx_mcastpkts> <rx_mcastbytes> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
counters	Counters
<i>__readonly__</i>	(Optional)
<i>vni</i>	(Optional)
<i>tx_ucastpkts</i>	(Optional)
<i>tx_ucastbytes</i>	(Optional)
<i>tx_mcastpkts</i>	(Optional)
<i>tx_mcastbytes</i>	(Optional)
<i>rx_ucastpkts</i>	(Optional)
<i>rx_ucastbytes</i>	(Optional)
<i>rx_mcastpkts</i>	(Optional)
<i>rx_mcastbytes</i>	(Optional)

Command Mode

- /exec

show nve vni ingress-replication

```
show nve vni ingress-replication [ { interface <nve-if> | <vni-id> } ] [ __readonly__ [
TABLE_nve_vni_ingr_repl <if-name> <vni> [ { { <repl-ip> | <repl-ipv6> } <source> <up-time> } ] + ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
ingress-replication	ingress-replication
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
<i>__readonly__</i>	(Optional)
TABLE_nve_vni_ingr_repl	(Optional) vni ingress repl schema
<i>if-name</i>	(Optional) if-name
<i>vni</i>	(Optional) vni
<i>repl-ip</i>	(Optional) Replication List
<i>source</i>	(Optional) Source
<i>up-time</i>	(Optional) Up Time

Command Mode

- /exec

show nve vrf

```
show nve vrf [ vrf-name ] [ __readonly__ [ TABLE_nve_vrf <vrf-name> <vni> <if-name> <gateway-mac>
[ { <ipv4-tblid> <ipv6-tblid> <vni-sw-bd> <flags> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vrf	VRF name
<i>vrf-name</i>	(Optional) vrf name
<i>__readonly__</i>	(Optional)
TABLE_nve_vrf	(Optional) vrf schema
<i>vrf-name</i>	(Optional) vrf-name
<i>vni</i>	(Optional) vni
<i>if-name</i>	(Optional) if-name
<i>gateway-mac</i>	(Optional) gateway-mac
<i>ipv4-tblid</i>	(Optional) ipv4-table-id
<i>ipv6-tblid</i>	(Optional) ipv6-table-id
<i>vni-sw-bd</i>	(Optional) vni-sw-bd
<i>flags</i>	(Optional) flags

Command Mode

- /exec

show nve vxlan-params

```
show nve vxlan-params [ __readonly__ <vxlan-port> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vxlan-params	VxLAN Parameters
__readonly__	(Optional)
<i>vxlan-port</i>	(Optional) vxlan-params

Command Mode

- /exec

show nxapi-server logs

show nxapi-server logs

Syntax Description

show	Show running system information
nxapi-server	Show NX-API Server
logs	Show NX-API Server logs

Command Mode

- /exec

show nxapi

```
show nxapi [ __readonly__ <nxapi_status> [ configuration_error <c_error> ] [ <http_port> ] [ <https_port>
<ssl_issuer> <ssl_enddate> ] ]
```

Syntax Description

show	Show running system information
nxapi	Show nxapi status
<i>__readonly__</i>	(Optional)
<i>nxapi_status</i>	(Optional) NX-API enabled status
configuration_error	(Optional) config syntax error
<i>c_error</i>	(Optional) config syntax error
<i>http_port</i>	(Optional) Configured HTTP port
<i>https_port</i>	(Optional) Configured HTTPS port
<i>ssl_issuer</i>	(Optional) Issuer information for current certificate
<i>ssl_enddate</i>	(Optional) Expiration date of current certificate

Command Mode

- /exec

