



## N Show Commands

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# show nbm controller

show nbm controller [ *\_\_readonly\_\_* <*vrf*> <*ip*> <*status*> <*online\_since*> ]

## Syntax Description

<i>show</i>	Show running system information
<i>nbm</i>	Non Blocking Multicast
<i>controller</i>	Controller mode information
<i>__readonly__</i>	(Optional)
<i>vrf</i>	(Optional) nbm controller vrf
<i>ip</i>	(Optional) nbm controller ip address
<i>status</i>	(Optional) nbm controller status
<i>online_since</i>	(Optional) nbm controller online time

## Command Mode

- /exec

# show nbm defaults

show nbm defaults

## Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
defaults	Default config

## Command Mode

- /exec

# show nbm flow-policy

show nbm flow-policy [ name { <policy-name> } ]

## 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

## Command Mode

- /exec

## show nbm flows

```
show nbm flows [ group-based | m-group <group-ip-id> | { flow-policy { <cfg-pol-name> |
<unknown-pol-name> } } | source <source-ip> [ group <group-ip> ] | group <group-ip> [ source <source-ip>
] | interface <if-name> ] [ all | active | inactive | no-receiver ] [ detail ] [ __readonly__ TABLE_flows {
<mcast_grp> <src_ip> <start_time> <src_intf> <src_nbr_device> <lid> <status> <num_rx> <bw_mbps>
<cfg_mbps> <src_slot> <unit> <slice> } [ { <act_slot> <act_unit> <stdby_slot> <stdby_unit> } ] [ { <dscp>
<qos> <owner_type> <pol_name> } [ <flag> ] [ { <n_link> <num_links> } ] [ { <slot_2> <unit_2>
<num_rx_2> } ] [ { <iiod> <ilink> <i_ifidx> <fab_iiod> <fab_oiod> <fab_ifidx> <oiod> <olink> <i_ieth_port>
<fab_ieth_port> } ] [ { <rcv_if_idx> <ioid> <name> <rcv_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
m-group	(Optional) Multicast group
<i>group-ip-id</i>	(Optional) Multicast group address
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
detail	(Optional) Detailed output
<i>if-name</i>	(Optional) Interface name
__readonly__	(Optional)

<i>TABLE_flows</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
<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>status</i>	(Optional) Flow status
<i>num_rx</i>	(Optional) Number of receivers
<i>bw_mbps</i>	(Optional) Set bandwidth
<i>cfg_mbps</i>	(Optional) Configured bandwidth
<i>src_slot</i>	(Optional) Source slot
<i>unit</i>	(Optional) Source unit
<i>slice</i>	(Optional) Source slice
<i>dscp</i>	(Optional) Flow DSCP
<i>qos</i>	(Optional) Flow QOS group
<i>owner_type</i>	(Optional) Flow Owner type
<i>pol_name</i>	(Optional) Flow Policy name
<i>flag</i>	(Optional) Flow not guarantee flag
<i>n_link</i>	(Optional) N Link
<i>num_links</i>	(Optional) Number of Links
<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>slot_2</i>	(Optional) Slot
<i>unit_2</i>	(Optional) Unit
<i>num_rx_2</i>	(Optional) Number of Receivers
<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>rcv_if_idx</i>	(Optional) Receiver interface index
<i>iod</i>	(Optional) Outgoing IOD
<i>name</i>	(Optional) Outgoing interface name
<i>rcv_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 bandwidth

show nbm flows bandwidth

## Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
bandwidth	Per Flow Bandwidth in Mbps

## Command Mode

- /exec

# show nbm flows statistics

```
show nbm flows statistics [ group-based | m-group <group-ip-id> | { flow-policy { <cfg-pol-name> |
<unknown-pol-name> } } ] [ interface <if-name> ] [ __readonly__ { TABLE_stats <mcast_grp> <src_ip>
<start_time> <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
m-group	(Optional) Multicast group
<i>group-ip-id</i>	(Optional) Multicast group address
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
interface	(Optional) Ingress port
<i>if-name</i>	(Optional) Interface name
__readonly__	(Optional)
TABLE_stats	(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
<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 [ __readonly__ TABLE_flows_summary { <flow_type> <sg> <starg> <total> } ]
```

## Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM Flows
summary	NBM Flow Summary
__readonly__	(Optional)
TABLE_flows_summary	(Optional) Flows summary
<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

## Command Mode

- /exec

# show nbm host-policy all

```
show nbm host-policy all { sender | { receiver { local | external } } }
```

## 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

## Command Mode

- /exec

# show nbm host-policy applied

```
show nbm host-policy applied { sender { all | interface { <if-name> } } }
```

## 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
interface	Interface
<i>if-name</i>	Interface name

## Command Mode

- /exec

# show nbm host-policy applied receiver

show nbm host-policy applied receiver { local { all | interface { <if-name> } } | external }

## 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
external	External receiver policy
interface	Interface
<i>if-name</i>	Interface name

## 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_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 BW
<i>index</i>	(Optional) Index
<i>ifname</i>	(Optional) Interface
<i>iode</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_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 nbm switch-role

show nbm switch-role [ \_\_readonly\_\_ <switch\_role> ]

## Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
switch-role	Switch role information
__readonly__	(Optional)
<i>switch_role</i>	(Optional) switch role

## Command Mode

- /exec



# show ngoam acl status

```
show ngoam acl status [ __readonly__ [ LIST_bds { <bd-id> } ] <end-row> <top-line> ]
```

## Syntax Description

show	Show running system information
ngoam	ngoam
acl	Show acl info
status	Show acl install status
<i>__readonly__</i>	(Optional) Read Only
<i>LIST_bds</i>	(Optional) List of all bds acs is installed on
<i>bd-id</i>	(Optional) Bridge-Domain identifier
<i>end-row</i>	(Optional) Carriage return
<i>top-line</i>	(Optional) Placeholder for printing the headline

## Command Mode

- /exec

# show ngoam actsessions

show ngoam actsessions

## Syntax Description

show	Show running system information
ngoam	ngoam information
actsessions	show

## 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> {
<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
<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> { <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> { <seq-number> <cli-status> [ <reply-ip> ] [ <reply-ipv6>
] [ <ingress-if> ] [ <ingress-if-state> ] [ <egress-if> ] [ <egress-if-state> ] [ <end-row> ] + } + } + ] [
TABLE_ifstats { <if-name> <rx-len> <rx-bytes> <rx-pkt-rate> <rx-byte-rate> <rx-load> <rx-ucast> <rx-mcast>
<rx-bcast> <rx-errors> <rx-discards> <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> } ] ]
```

### Syntax Description

show	Show running system information
ngoam	ngoam
pathtrace	ngoam pathtrace
statistics	ngoam pathtrace statistics
<i>end-row</i>	(Optional) Row end
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
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>last-clear-stats</i>	(Optional) last clear time for statistics
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value

<i>TABLE_summary</i>	(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>db-req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>db-resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>req-drop</i>	(Optional) Requests dropped
<i>db-req-drop</i>	(Optional) Requests dropped
<i>resp-drop</i>	(Optional) Responses dropped
<i>db-resp-drop</i>	(Optional) Responses dropped
<i>TABLE_database</i>	(Optional) pathtrace database
<i>seq-number</i>	(Optional) Sequence number
<i>cli-status</i>	(Optional) ngoam pathtrace status
<i>ingress-if</i>	(Optional) Ingress interface
<i>egress-if</i>	(Optional) Egress interface
<i>ingress-if-state</i>	(Optional) Ingress interface state
<i>egress-if-state</i>	(Optional) Egress interface state
<i>reply-ip</i>	(Optional) ngoam pathtrace reply ip
<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-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
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
<i>__readonly__</i>	(Optional) Read Only

**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 role

show ngoam role

## Syntax Description

show	Show running system information
ngoam	ngoam information
role	show draft pang derived role info

## Command Mode

- /exec

## show ngoam traceroute statistics

```
show ngoam traceroute statistics { summary | { session { <handle> | all } } } [ __readonly__ [ TABLE_stats
{ <sender-handle> <last-clear-stats> { <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
<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

__readonly__	(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	(Optional) Iodb
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
<i>dbdump</i>	(Optional) Dump the whole database

**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 <i0> | 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>i0</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_svrintf <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_svrintf	(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 <if0> ] [ __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>if0</i>	(Optional)
<i>__readonly__</i>	(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 npv traffic-usage

show npv traffic-usage [ server-interface <if0> ]

## Syntax Description

show	Show running system information
npv	Show information about NPV
traffic-usage	Show information about Traffic Usage
server-interface	(Optional) Show Traffic usage for a server interface
<i>if0</i>	(Optional)

## 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
__readonly__	(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
<i>__readonly__</i>	(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 packets sent</i>	(Optional) peername packets sent
<i>peername packets received</i>	(Optional) peername packets received
<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 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





<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



<i>src-if-holddown-left</i>	(Optional) hold down time left
<i>vpc-compat-check</i>	(Optional) vpc-compat-check
<i>sm-state</i>	(Optional) sm state
<i>vip-rmac</i>	(Optional) Generated VIP MAC
<i>vip-rmac-ro</i>	(Optional) Generated VIP MAC Re-origination
<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 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> | control-plane | data-plane ] [ detail ] ] [ [ control-plane-vni [ vni <vni-id> | peer-ip <user-peer-ip> ] ] [ controller ] ] [ __readonly__ TABLE_nve_peers [ [ <detail> ] [ <control-plane-vni> ] [ <if-name> ] [ <peer-ip> ] [ <peer-state> ] [ <learn-type> ] [ <uptime> ] [ <router-mac> ] [ { <first-vni> <create-ts> <config-vnis> <provision-state> <cp-vni> <vni-assignment-mode> <dcf-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	(Optional) Show peers configured by controller
<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> interface <nve-if> counters [ __readonly__ <peer-ip> <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 vni interface counters

```
show nve peers { <addr> | all } vni { <vni-id> | all } interface <nve-if> counters [ __readonly__
TABLE_nve_peer_vni_counters <peer-ip> <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
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_replication_servers</i>	(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	(Optional) show vni configured by controller
__readonly__	(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> <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 vni peer-vtep

```
show nve vni peer-vtep [ { interface <nve-if> | <vni-id> } ] [ __readonly__ [ TABLE_nve_vni_peer_vtep
<if-name> <vni> [ { <vtep-ip> <source> <up-time> } ] ] ]
```

## Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
peer-vtep	Show static peer-vtep configured per vni
<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_peer_vtep	(Optional) vni peer vtep schema
<i>if-name</i>	(Optional) if-name
<i>vni</i>	(Optional) vni
<i>vtep-ip</i>	(Optional) VTEP 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> ] ]
```

## Syntax Description

show	Show running system information
nxapi	Show nxapi status
__readonly__	(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

## Command Mode

- /exec