



N Commands

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show nbm controller

show nbm controller

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
controller	Controller mode information

Command Mode

- /exec

show nbm flows

```
show nbm flows [ all | group-based | m-group <group-ip-id> | [ source <source-ip> [ group <group-ip> ] |
group <group-ip> [ source <source-ip> ] ] [ active | inactive | no-receiver | detail ] [ interface <if-name> ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
active	(Optional) Active flows
inactive	(Optional) Inactive flows
no-receiver	(Optional) Flows without any receiver
all	(Optional) Both active and deleted 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
source	(Optional) Source ip of sender
<i>source-ip</i>	(Optional) Sender ip address
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address
interface	(Optional) Ingress port
detail	(Optional) Detailed output
<i>if-name</i>	(Optional) Interface name

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>] [interface <if-name>]

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
interface	(Optional) Ingress port
<i>if-name</i>	(Optional) Interface name

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 acls 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 loopback

```
show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle>
| all } } } } [ __readonly__ [ TABLE_statistics { <sender-handle> <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> <resp-tx> <resp-rx> <resp-unsent> <resp-dup>
} ] ]
```

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>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
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>
<resp-tx> <resp-rx> <resp-unsent> <resp-dup> } ] [ TABLE_database { <db-sender-handle> <db-start-time>
<db-end-time> <db-last-clear-stats> <db-tx> <db-rx> <db-timeout> <db-unsent> <db-resp-tx> <db-resp-rx>
<db-resp-unsent> <db-resp-dup> { <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
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
TABLE_database	(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
<u>__readonly__</u>	(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> { <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 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
<i>__readonly__</i>	(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
<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__ [ <sourceip> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
source	Source IP address configured
__readonly__	(Optional)
<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>peernameremotehost</i>	(Optional) peernameremotehost
<i>peernamelocalinterface</i>	(Optional) peernamelocalinterface
<i>peernametimelastreceived</i>	(Optional) peernametimelastreceived
<i>peernametimeuntilnextsend</i>	(Optional) peernametimeuntilnextsend
<i>peernamereachabilitychange</i>	(Optional) peernamereachabilitychange
<i>peernamepacketsent</i>	(Optional) peernamepacketsent
<i>peernamepacketsreceived</i>	(Optional) peernamepacketsreceived
<i>peernamebadauthentication</i>	(Optional) peernamebadauthentication
<i>peernamebogusorigin</i>	(Optional) peernamebogusorigin
<i>peernameduplicate</i>	(Optional) peernameduplicate
<i>peernamebaddispersion</i>	(Optional) peernamebaddispersion
<i>peernamebadreferencetime</i>	(Optional) peernamebadreferencetime
<i>peernamecandidateorder</i>	(Optional) peernamecandidateorder

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

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
<i>esi-id</i>	(Optional) ESI ID
<i>__readonly__</i>	(Optional)
TABLE_es	(Optional) xml schema for show nve ethernet-segment
<i>esi</i>	(Optional) ESI value
<i>if-name</i>	(Optional) port-channel interface name
<i>es-state</i>	(Optional) Ethernet-segment oper state
<i>po-state</i>	(Optional) port-channel interface oper state
<i>nve-if-name</i>	(Optional) NVE interface name
<i>nve-state</i>	(Optional) NVE oper state
<i>host-reach-mode</i>	(Optional) host reach mode
<i>active-vlans</i>	(Optional) Active vlans on ES
<i>df-vlans</i>	(Optional) DF-vlans on ES
<i>active-vnis</i>	(Optional) Active VNIs on ES
<i>cc-failed-vlans</i>	(Optional) Vlans for which consistency check failed
<i>cc-timer-left</i>	(Optional) vlan CC timer status
<i>num-es-mem</i>	(Optional) number of es members
<i>local-ordinal</i>	(Optional) local-ordinal
<i>df-timer-st</i>	(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 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> <secondary-ip> [ { <src-if-state>
<nve-flags> <nve-if-handle> <src-if-holddown-tm> <src-if-holdup-tm> <src-if-holddown-left> [
<es-delay-restore-time> <es-delay-restore-time-left> ] <src-intf-last-reinit-notify-type> } } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
interface	Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information
<code>__readonly__</code>	(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>source-if</i>	(Optional) source-interface
<i>primary-ip</i>	(Optional) primary-ip
<i>secondary-ip</i>	(Optional) secondary-ip
<i>src-if-state</i>	(Optional) source-interface state
<i>nve-flags</i>	(Optional) nve-flags
<i>nve-if-handle</i>	(Optional) interface handle
<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>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>es-delay-restore-time</i>	(Optional) es delay restore time

<i>es-delay-restore-time-left</i>	(Optional) es delay restore time left
<i>src-intf-last-reinit-notify-type</i>	(Optional) Src-Intf last notify type

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 [ [ <if-name> ] [ <peer-ip> ] [ <peer-state> ] [ <learn-type> ] [ <uptime> ] [ <router-mac> ] [ { <first-vni> <create-ts> <config-vnis> <provision-state> <route-update> <peer-flags> <cp-vni> <peer-ifindex-resp> } ] [ { <vni> <learn-src> <vni-gw-mac> } ] ] ] ]
```

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
__readonly__	(Optional)
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>first-vni</i>	(Optional) first-vni
<i>config-vnis</i>	(Optional) config-vnis

<i>provision-state</i>	(Optional) provision-state
<i>route-update</i>	(Optional) route-update
<i>peer-flags</i>	(Optional) peer-flags
<i>cp-vni</i>	(Optional) cp-vni
<i>peer-ifindex-resp</i>	(Optional) peer-ifindex-resp
<i>create-ts</i>	(Optional) create-timestamp
<i>router-mac</i>	(Optional) router-mac
<i>vni</i>	(Optional) vni value
<i>learn-src</i>	(Optional) learn source
<i>vni-gw-mac</i>	(Optional) vni gateway mac

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
interface	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
interface	Interface
<i>__readonly__</i>	(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 [ <if-name> <vni> <mcast> <vni-state> <mode> <type> <flags> [ {
<prvsn-state> <vlan-bd> <svi-state> <cp-submode> } ] ] [ { <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>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>cp-submode</i>	(Optional) CP-submode
<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)
<i>TABLE_nve_vrf</i>	(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__ { operation_status <o_status> } [ configuration_error <c_error> ] {
TABLE_listen_on_port <l_port> } ]
```

Syntax Description

show	Show running system information
nxapi	Show nxapi status
<i>__readonly__</i>	(Optional)
operation_status	(Optional) run-time information about nxapi
<i>o_status</i>	(Optional) enabled or not
configuration_error	(Optional) config syntax error
<i>c_error</i>	(Optional) config syntax error
TABLE_listen_on_port	(Optional) listen on port table
<i>l_port</i>	(Optional) listen on port

Command Mode

- /exec

