



## N Show Commands

---

- [show nbm flows](#), on page 4
- [show nbm flows bandwidth](#), on page 5
- [show nbm flows statistics](#), on page 6
- [show nbproxy internal event-history cli](#), on page 7
- [show nbproxy internal event-history errors](#), on page 8
- [show nbproxy internal event-history events](#), on page 9
- [show nbproxy internal event-history intf](#), on page 10
- [show nbproxy internal event-history msgs](#), on page 11
- [show nbproxy internal event-history mts](#), on page 12
- [show nbproxy internal event-history packets](#), on page 13
- [show nbproxy internal event-history pss](#), on page 14
- [show nbproxy internal event-history vrf](#), on page 15
- [show nbproxy internal info](#), on page 16
- [show ngoam acl status](#), on page 17
- [show ngoam actsessions](#), on page 18
- [show ngoam interface statistics](#), on page 19
- [show ngoam loopback](#), on page 20
- [show ngoam pathtrace](#), on page 22
- [show ngoam probe](#), on page 25
- [show ngoam role](#), on page 27
- [show ngoam traceroute statistics](#), on page 28
- [show ntp access-groups](#), on page 30
- [show ntp authentication-keys](#), on page 31
- [show ntp authentication-status](#), on page 32
- [show ntp information](#), on page 33
- [show ntp internal event-history config](#), on page 34
- [show ntp internal event-history fsm](#), on page 35
- [show ntp internal event-history msgs](#), on page 36
- [show ntp internal event-history rts](#), on page 37
- [show ntp internal event-history tstamp](#), on page 38
- [show ntp internal log-buffer](#), on page 39
- [show ntp internal mem-stats](#), on page 40
- [show ntp internal mem-stats detail](#), on page 41

- [show ntp internal module-info](#), on page 42
- [show ntp logging-status](#), on page 43
- [show ntp peer-status](#), on page 44
- [show ntp peers](#), on page 45
- [show ntp rts-update](#), on page 46
- [show ntp session status](#), on page 47
- [show ntp source-interface](#), on page 48
- [show ntp source](#), on page 49
- [show ntp statistics](#), on page 50
- [show ntp status](#), on page 53
- [show ntp trusted-keys](#), on page 54
- [show nve bfd neighbors](#), on page 55
- [show nve interface](#), on page 56
- [show nve internal bfd neighbors interface](#), on page 57
- [show nve internal bgp rnh database](#), on page 58
- [show nve internal event-history cli](#), on page 59
- [show nve internal event-history errors](#), on page 60
- [show nve internal event-history events](#), on page 61
- [show nve internal event-history msgs](#), on page 62
- [show nve internal event-history mts](#), on page 63
- [show nve internal event-history packets](#), on page 64
- [show nve internal event-history platform errors](#), on page 65
- [show nve internal event-history platform traces](#), on page 66
- [show nve internal event-history platform triggers](#), on page 67
- [show nve internal event-history pss](#), on page 68
- [show nve internal event-history triggers](#), on page 69
- [show nve internal event-history xos-events](#), on page 70
- [show nve internal export bgp rnh](#), on page 71
- [show nve internal export controller peers](#), on page 72
- [show nve internal export global](#), on page 73
- [show nve internal export nve](#), on page 74
- [show nve internal export peer-vni](#), on page 75
- [show nve internal export peer](#), on page 76
- [show nve internal export redundancy-group](#), on page 77
- [show nve internal export vni](#), on page 78
- [show nve internal libinfo](#), on page 79
- [show nve internal mem-stats](#), on page 80
- [show nve internal mrrib-history](#), on page 81
- [show nve internal multicast-group](#), on page 82
- [show nve internal peer-history](#), on page 83
- [show nve internal peer-notify-history](#), on page 84
- [show nve internal peers history-log](#), on page 85
- [show nve internal pim-cache](#), on page 86
- [show nve internal platform globals](#), on page 87
- [show nve internal platform interface](#), on page 88
- [show nve internal platform statistics](#), on page 89

- [show nve internal platform txn\\_buf](#), on page 90
- [show nve internal port-history](#), on page 91
- [show nve internal pss redundancy-group](#), on page 92
- [show nve internal pss replication-servers](#), on page 93
- [show nve internal snmp cnvoNvoPerPeerStatsTable nve paddr\\_type paddr](#), on page 94
- [show nve internal snmp cnvoNvoTable nve](#), on page 96
- [show nve internal snmp cnvoPeerTable nve paddr\\_type paddr](#), on page 97
- [show nve internal snmp cnvoVNetStatsTable nve vni](#), on page 98
- [show nve internal snmp cnvoVNetTable nve vni](#), on page 99
- [show nve internal snmp global cnvoUdpDestinationPort](#), on page 101
- [show nve internal source-group](#), on page 102
- [show nve internal state](#), on page 103
- [show nve internal statistics](#), on page 104
- [show nve internal txlist source](#), on page 105
- [show nve internal vni-history](#), on page 106
- [show nve internal vni](#), on page 107
- [show nve peers](#), on page 108
- [show nve peers interface counters](#), on page 110
- [show nve peers vni interface counters](#), on page 111
- [show nve replication-servers](#), on page 112
- [show nve vni](#), on page 113
- [show nve vni counters](#), on page 115
- [show nve vni ingress-replication](#), on page 116
- [show nve vni peer-vtep](#), on page 117
- [show nve vrf](#), on page 118
- [show nve vxlan-params](#), on page 119
- [show nxapi](#), on page 120
- [show nxapi internal buffer](#), on page 121
- [show nxapi retries](#), on page 122

# show nbm flows

show nbm flows [ active | all | group-based | m-group <group-ip-id> ] [ interface <if-name> ]

## Syntax Description

### Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
active	(Optional) Active flows
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
interface	(Optional) Ingress port
<i>if-name</i>	(Optional) Interface name

## Command Mode

- /exec

# show nbm flows bandwidth

show nbm flows bandwidth

## Syntax Description

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

### 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 nbproxy internal event-history cli

show nbproxy internal event-history cli

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
cli		CLI event debugging

## Command Mode

- /exec

# show nbproxy internal event-history errors

show nbproxy internal event-history errors

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
errors		Error messages

## Command Mode

- /exec



# show nbproxy internal event-history events

show nbproxy internal event-history events

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
events		Trace Event debugs

## Command Mode

- /exec

# show nbproxy internal event-history intf

show nbproxy internal event-history intf

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
intf		Interface debugs

## Command Mode

- /exec

# show nbproxy internal event-history msgs

show nbproxy internal event-history msgs

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
msgs		Messages debugging

## Command Mode

- /exec

# show nbproxy internal event-history mts

show nbproxy internal event-history mts

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
mts		MTS debugs

## Command Mode

- /exec

# show nbproxy internal event-history packets

show nbproxy internal event-history packets

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
packets		Packets

## Command Mode

- /exec

# show nbproxy internal event-history pss

show nbproxy internal event-history pss

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
pss		PSS debugs

## Command Mode

- /exec

# show nbproxy internal event-history vrf

show nbproxy internal event-history vrf

## Syntax Description

Syntax Description		
show		Show running system information
nbproxy		Display NBPROXY information
internal		NBPROXY Internal State
event-history		Show various event logs of NBPROXY
vrf		VRF debugs

## Command Mode

- /exec

# show nbproxy internal info

show nbproxy internal info

## Syntax Description

Syntax	Description
show	Show running system information
nbproxy	Display NBPROXY information
internal	NBPROXY Internal State
info	NBPROXY info

## Command Mode

- /exec



# show ngoam acl status

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

## Syntax Description

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

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

Syntax Description	
TABLE_stats	(Optional) interface statistics table
interface-name	(Optional) interface namestring
tx	(Optional) ngoam probe transmit on the interface
rx	(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
statistics-end	(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> <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

### 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
<i>__readonly__</i>	(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

Syntax Description	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

<i>TABLE_ifstats</i>	(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

#### 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

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

#### 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__ [ { TABLE_accessgroups <accesslist> [ <type> ] } ] ]
```

## Syntax Description

Syntax Description		
show		Show running system information
ntp		Show NTP information
access-groups		Display NTP access groups
__readonly__		(Optional)
TABLE_accessgroups		(Optional) accessgroups
accesslist		(Optional) accesslist
type		(Optional) type

## Command Mode

- /exec

# show ntp authentication-keys

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

## Syntax Description

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

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

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 internal event-history config

show ntp internal event-history config

## Syntax Description

Syntax	Description
show	Show running system information
ntp	Show NTP information
internal	NTP internal info
event-history	Show event history
config	Show configuration history

## Command Mode

- /exec

# show ntp internal event-history fsm

show ntp internal event-history fsm

## Syntax Description

Syntax Description		
show	Show running system information	
ntp	Show NTP information	
internal	NTP internal info	
event-history	Show event history	
fsm	Show fsm state transition	

## Command Mode

- /exec

# show ntp internal event-history msgs

show ntp internal event-history msgs

## Syntax Description

Syntax Description		
show		Show running system information
ntp		Show NTP information
internal		NTP internal info
event-history		Show event history
msgs		Show mts msg history

## Command Mode

- /exec

# show ntp internal event-history rts

show ntp internal event-history rts

## Syntax Description

Syntax Description		
show		Show running system information
ntp		Show NTP information
internal		NTP internal info
event-history		Show event history
rts		Show rts history

## Command Mode

- /exec

# show ntp internal event-history tstamp

show ntp internal event-history tstamp

## Syntax Description

Syntax Description		
show		Show running system information
ntp		Show NTP information
internal		NTP internal info
event-history		Show event history
tstamp		Show timestamp update history

## Command Mode

- /exec

# show ntp internal log-buffer

show ntp internal log-buffer

## Syntax Description

Syntax Description		
show	Show running system information	
ntp	Show NTP information	
internal	NTP internal info	
log-buffer	Show contents of ntp internal log buffer	

## Command Mode

- /exec

# show ntp internal mem-stats

show ntp internal mem-stats

## Syntax Description

Syntax Description		
show	Show running system information	
ntp	Show NTP information	
internal	NTP internal info	
mem-stats	Show memory allocation statistics of NTP	

## Command Mode

- /exec



# show ntp internal mem-stats detail

show ntp internal mem-stats detail

## Syntax Description

Syntax Description		
show	Show running system information	
ntp	Show NTP information	
internal	NTP internal info	
mem-stats	Show memory allocation statistics of NTP	
detail	Show memory allocation statistics of NTP in detail	

## Command Mode

- /exec

# show ntp internal module-info

show ntp internal module-info

## Syntax Description

Syntax	Description
show	Show running system information
ntp	Show NTP information
internal	NTP internal info
module-info	Show all Linecards related information

## Command Mode

- /exec

# show ntp logging-status

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

## Syntax Description

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

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

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

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

Syntax Description		
	show	Show running system information
	ntp	Show NTP information
	session	Show the session information
	status	Show the session status
	__readonly__	(Optional)
	session_status	(Optional) last session status

## Command Mode

- /exec

# show ntp source-interface

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

## Syntax Description

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

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

#### 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
ipv4_0	
name	Peer's Name
s0	
__readonly__	(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>ioldroppedpackets</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

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

Syntax Description		
show		Show running system information
ntp		Show NTP information
trusted-keys		Display trusted keys
__readonly__		(Optional)
TABLE_trustkeys		(Optional) trusted keys
key		(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

Syntax Description		
show		Display NVE information
nve		Configure NVE information
bfd		BFD
neighbors		neighbors
__readonly__		(Optional)
TABLE_nve_bfd_neighbors		(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 internal bfd neighbors interface

show nve internal bfd neighbors interface <nve-if>

## Syntax Description

Syntax Description		
show	Show running system information	
nve	Display NVE information	
internal	NVE Internal State	
bfd	BFD	
neighbors	BFD neighbors	
interface	NVE interface	
<i>nve-if</i>	NVE interface	

## Command Mode

- /exec

# show nve internal bgp rnh database

show nve internal bgp rnh database [ vni <vni-id> ]

## Syntax Description

Syntax	Description
show	Display NVE information
nve	Configure NVE information
internal	internal
bgp	BGP
rnh	RNH
database	database
vni	(Optional) Virtual Network Identifier
<i>vni-id</i>	(Optional) Virtual Network Identifier

## Command Mode

- /exec

# show nve internal event-history cli

show nve internal event-history cli

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
event-history	Show various event logs of NVE
cli	CLI event debugging

## Command Mode

- /exec

# show nve internal event-history errors

show nve internal event-history errors

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
errors		Error messages

## Command Mode

- /exec

# show nve internal event-history events

show nve internal event-history events

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
events		Trace Event debugs

## Command Mode

- /exec

# show nve internal event-history msgs

show nve internal event-history msgs

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
msgs		Messages debugging

## Command Mode

- /exec

# show nve internal event-history mts

show nve internal event-history mts

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
mts		MTS debugs

## Command Mode

- /exec

# show nve internal event-history packets

show nve internal event-history packets

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
packets		Packets

## Command Mode

- /exec



# show nve internal event-history platform errors

show nve internal event-history platform errors

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
platform		platform library
errors		Error messages

## Command Mode

- /exec

# show nve internal event-history platform traces

show nve internal event-history platform traces

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
platform		platform library
traces		traces

## Command Mode

- /exec

# show nve internal event-history platform triggers

show nve internal event-history platform triggers

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
platform		platform library
triggers		Trigger messages

## Command Mode

- /exec

# show nve internal event-history pss

show nve internal event-history pss

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
pss		PSS debugs

## Command Mode

- /exec

# show nve internal event-history triggers

show nve internal event-history triggers

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
triggers		Trigger messages

## Command Mode

- /exec

# show nve internal event-history xos-events

show nve internal event-history xos-events

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
event-history		Show various event logs of NVE
xos-events		XOS Event debugs

## Command Mode

- /exec

# show nve internal export bgp rnh

show nve internal export bgp rnh

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
export	export data
bgp	bgp info
rnh	rnh info

## Command Mode

- /exec

# show nve internal export controller peers

show nve internal export controller peers

## Syntax Description

Syntax Description		
show	Show running system information	
nve	Display NVE information	
internal	NVE Internal State	
export	export data	
controller	Controller mode	
peers	Peers	

## Command Mode

- /exec



# show nve internal export global

show nve internal export global

## Syntax Description

<b>Syntax Description</b>	show	Show running system information
	nve	Display NVE information
	internal	NVE Internal State
	export	export data
	global	global data

## Command Mode

- /exec

# show nve internal export nve

show nve internal export nve

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
export	export data
nve	nve interface

## Command Mode

- /exec

# show nve internal export peer-vni

show nve internal export peer-vni

## Syntax Description

Syntax Description	
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
export	export data
peer-vni	peer vni

## Command Mode

- /exec

# show nve internal export peer

show nve internal export peer

## Syntax Description

<b>Syntax Description</b>	show	Show running system information
	nve	Display NVE information
	internal	NVE Internal State
	export	export data
	peer	peer information

## Command Mode

- /exec

# show nve internal export redundancy-group

show nve internal export redundancy-group

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
export		export data
redundancy-group		redundancy-group list

## Command Mode

- /exec

# show nve internal export vni

```
show nve internal export vni [ <vni-id> ]
```

## Syntax Description

<b>Syntax Description</b>	show	Show running system information
	nve	Display NVE information
	internal	NVE Internal State
	export	export data
	vni	Virtual Network Identifier
	<i>vni-id</i>	(Optional) Virtual Network Identifier

## Command Mode

- /exec

# show nve internal libinfo

show nve internal libinfo

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
libinfo	Show internal libinfo information

## Command Mode

- /exec

# show nve internal mem-stats

show nve internal mem-stats [ detail ]

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
mem-stats	Dynamic memory stats
detail	(Optional) Detailed information

## Command Mode

- /exec



# show nve internal mrib-history

```
show nve internal mrib-history [ group <group-addr> | clear ]
```

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
mrib-history		Show internal mrib-history
group		(Optional)
<i>group-addr</i>		(Optional)
clear		(Optional)

## Command Mode

- /exec

# show nve internal multicast-group

show nve internal multicast-group

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
multicast-group	Show internal multicast group state

## Command Mode

- /exec

# show nve internal peer-history

```
show nve internal peer-history [ peer <peer-addr> | clear ]
```

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
peer-history		Show internal peer-history
peer		(Optional)
<i>peer-addr</i>		(Optional)
clear		(Optional)

## Command Mode

- /exec

# show nve internal peer-notify-history

show nve internal peer-notify-history [ clear ]

## Syntax Description

Syntax Description		
	show	Show running system information
	nve	Display NVE information
	internal	NVE Internal State
	peer-notify-history	Show internal peer-notify-history
	clear	(Optional)

## Command Mode

- /exec

# show nve internal peers history-log

```
show nve internal peers [ peer-ip <addr> ] history-log
```

## Syntax Description

Syntax Description		
show		Display NVE information
nve		Configure NVE information
internal	internal	
peers		NVE Peer
peer-ip		(Optional) Show a specific peer
<i>addr</i>		(Optional) Remote Peer IP Address
history-log		Peer history log

## Command Mode

- /exec

# show nve internal pim-cache

```
show nve internal pim-cache [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
pim-cache		Show PIM client cache
vrf		(Optional) Display per-VRF information
<i>vrf-name</i>		(Optional) VRF name
<i>vrf-known-name</i>		(Optional) Known VRF name
all		(Optional) Display information for all VRFs

## Command Mode

- /exec

# show nve internal platform globals

show nve internal platform globals

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
platform	NVE Platform library commands
globals	Global info

## Command Mode

- /exec

# show nve internal platform interface

```
show nve internal platform interface [ <nve-if> [ { vni [ <vni-id> ] } | { peer [ <peerip> ] } ] ] [ detail ]
```

## Syntax Description

Syntax Description	Description
show	Show running system information
nve	Display NVE information
platform	NVE Platform library commands
internal	NVE Internal State
interface	Interface
<i>nve-if</i>	(Optional) Specify NVE interface, else all NVE interfaces will be displayed
vni	(Optional) Virtual Network Identifier
<i>vni-id</i>	(Optional) Specify VNI
peer	(Optional) Display Peer Information
<i>peerip</i>	(Optional) Specify Peer IPv4 Address
detail	(Optional) Detailed information about the interface

## Command Mode

- /exec



# show nve internal platform statistics

show nve internal platform statistics [ clear ]

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
platform	NVE Platform library commands
statistics	statistics
clear	(Optional) Reset functions

## Command Mode

- /exec

# show nve internal platform txn\_buf

```
show nve internal platform txn_buf { sw_bd | peer_id | peer_adj }
```

## Syntax Description

Syntax Description	Description
show	Show running system information
nve	Display NVE information
platform	NVE Platform library commands
internal	NVE Internal State
txn_buf	MTS transaction buffer
sw_bd	UFDM Software BD transaction buffer
peer_id	UFDM Peer ID transaction buffer
peer_adj	UFDM Peer adjacency transaction buffer

## Command Mode

- /exec

# show nve internal port-history

```
show nve internal port-history [ clear ]
```

## Syntax Description

Syntax	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
port-history	Show internal port-history
clear	(Optional)

## Command Mode

- /exec

# show nve internal pss redundancy-group

show nve internal pss redundancy-group

## Syntax Description

Syntax Description		
	show	Show running system information
	nve	Display NVE information
	internal	NVE Internal State
	pss	Show pss content
	redundancy-group	redundancy-group list

## Command Mode

- /exec

# show nve internal pss replication-servers

show nve internal pss replication-servers

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
pss		Show pss content
replication-servers	replication-servers	

## Command Mode

- /exec

# show nve internal snmp cnvoNvoPerPeerStatsTable nve paddr\_type paddr

```
show nve internal snmp cnvoNvoPerPeerStatsTable nve <nve_in> paddr_type <paddr_type_in> paddr
<paddr_in> [ __readonly__ TABLE_nve_peer_counters <nve_out> <paddr_type_out> <paddr_out> <tx_uni_p>
<tx_uni_b> <tx_multi_p> <tx_multi_b> <rx_uni_p> <rx_uni_b> <rx_multi_p> <rx_multi_b> ]
```

## Syntax Description

Syntax Description		
show		Display NVE information
nve		Configure NVE information
internal		internal
snmp		snmp
cnvoNvoPerPeerStatsTable		
nve		
<i>nve_in</i>		
paddr_type		
<i>paddr_type_in</i>		
paddr		
<i>paddr_in</i>		Remote Peer IP Address
<i>__readonly__</i>		(Optional)
<i>TABLE_nve_peer_counters</i>		(Optional)
<i>nve_out</i>		(Optional)
<i>paddr_type_out</i>		(Optional)
<i>paddr_out</i>		(Optional)
<i>tx_uni_p</i>		(Optional)
<i>tx_uni_b</i>		(Optional)
<i>tx_multi_p</i>		(Optional)
<i>tx_multi_b</i>		(Optional)
<i>rx_uni_p</i>		(Optional)
<i>rx_uni_b</i>		(Optional)

---

*rx\_multi\_p* (Optional)

---

*rx\_multi\_b* (Optional)

---

**Command Mode**

- /exec

# show nve internal snmp cnvoNvoTable nve

```
show nve internal snmp cnvoNvoTable nve <nve_in> [ __readonly__ TABLE_nve_intf <nve_out>
<nve_src_intf> <encap_type> <configured_vni> <storage_type> <row_status> ]
```

## Syntax Description

Syntax Description		
show		Display NVE information
nve		Configure NVE information
internal		internal
snmp		snmp
cnvoNvoTable		
nve		
<i>nve_in</i>		
<i>__readonly__</i>	(Optional)	
<i>TABLE_nve_intf</i>	(Optional)	
<i>nve_out</i>	(Optional)	
<i>nve_src_intf</i>	(Optional)	
<i>encap_type</i>	(Optional)	
<i>configured_vni</i>	(Optional)	
<i>storage_type</i>	(Optional)	
<i>row_status</i>	(Optional)	

## Command Mode

- /exec



# show nve internal snmp cnvoPeerTable nve paddr\_type paddr

```
show nve internal snmp cnvoPeerTable nve <nve_in> paddr_type <paddr_type_in> paddr <paddr_in> [
__readonly__ TABLE_nve_peer <nve_out> <paddr_type_out> <paddr_out> <peer_uptime>
<learning_source_type> ]
```

## Syntax Description

Syntax Description		
show		Display NVE information
nve		Configure NVE information
internal		internal
snmp		snmp
cnvoPeerTable		
nve		
<i>nve_in</i>		
<i>paddr_type</i>		
<i>paddr_type_in</i>		
<i>paddr</i>		
<i>paddr_in</i>		
<i>__readonly__</i>	(Optional)	
<i>TABLE_nve_peer</i>	(Optional)	
<i>nve_out</i>	(Optional)	
<i>paddr_type_out</i>	(Optional)	
<i>paddr_out</i>	(Optional)	
<i>peer_uptime</i>	(Optional)	
<i>learning_source_type</i>	(Optional)	

## Command Mode

- /exec

# show nve internal snmp cnvoVNetStatsTable nve vni

```
show nve internal snmp cnvoVNetStatsTable nve <nve_in> vni <vni_in> [ __readonly__
TABLE_nve_vni_counters <nve_out> <vni_out> <tx_uni_p> <tx_uni_b> <tx_multi_p> <tx_multi_b>
<rx_uni_p> <rx_uni_b> <rx_multi_p> <rx_multi_b> ]
```

## Syntax Description

Syntax Description		
show		Display NVE information
nve		Configure NVE information
internal		internal
snmp		snmp
cnvoVNetStatsTable		
nve		
<i>nve_in</i>		
vni		
<i>vni_in</i>		
<i>__readonly__</i>		(Optional)
TABLE_nve_vni_counters		(Optional)
<i>nve_out</i>		(Optional)
<i>vni_out</i>		(Optional)
<i>tx_uni_p</i>		(Optional)
<i>tx_uni_b</i>		(Optional)
<i>tx_multi_p</i>		(Optional)
<i>tx_multi_b</i>		(Optional)
<i>rx_uni_p</i>		(Optional)
<i>rx_uni_b</i>		(Optional)
<i>rx_multi_p</i>		(Optional)
<i>rx_multi_b</i>		(Optional)

## Command Mode

- /exec

## show nve internal snmp cnvoVNetTable nve vni

```
show nve internal snmp cnvoVNetTable nve <nve_in> vni <vni_in> [ __readonly__ TABLE_nve_vni
<nve_out> <vni_out> <mcast_addr_type> <mcast_addr> <vni_vlan> <arp_suppression> <replication>
<host_reachability> <vni_type> <vrf_or_bridgename> <mac_addr> ]
```

### Syntax Description

Syntax Description		
show		Display NVE information
nve		Configure NVE information
internal		internal
snmp		snmp
cnvoVNetTable		
nve		
<i>nve_in</i>		
vni		
<i>vni_in</i>		
<i>__readonly__</i>	(Optional)	
<i>TABLE_nve_vni</i>	(Optional)	
<i>nve_out</i>	(Optional)	
<i>vni_out</i>	(Optional)	
<i>mcast_addr_type</i>	(Optional)	
<i>mcast_addr</i>	(Optional)	
<i>vni_vlan</i>	(Optional)	
<i>arp_suppression</i>	(Optional)	
<i>replication</i>	(Optional)	
<i>host_reachability</i>	(Optional)	
<i>vni_type</i>	(Optional)	
<i>vrf_or_bridgename</i>	(Optional)	
<i>mac_addr</i>	(Optional)	

### Command Mode

show nve internal snmp cnvoVNetTable nve vni

- /exec

# show nve internal snmp global cnvoUdpDestinationPort

```
show nve internal snmp global cnvoUdpDestinationPort [ __readonly__ <udp_dest_port> ]
```

## Syntax Description

Syntax Description		
show		Display NVE information
nve		Configure NVE information
internal		internal
snmp		snmp
global		
cnvoUdpDestinationPort		
__readonly__		(Optional) Read only
udp_dest_port		(Optional)

## Command Mode

- /exec

# show nve internal source-group

show nve internal source-group

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
source-group		Show source-group state

## Command Mode

- /exec

# show nve internal state

show nve internal state

## Syntax Description

Syntax Description	
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
state	Show NVE state

## Command Mode

- /exec

# show nve internal statistics

```
show nve internal statistics { mts | interface <nve-if> | vni <vni-id> | peer <addr> } [ clear ]
```

## Syntax Description

Syntax Description	Description
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
statistics	statistics
mts	MTS
interface	Interface
<i>nve-if</i>	NVE interface
vni	Virtual Network Identifier
<i>vni-id</i>	VNI-ID
peer	NVE Peer
<i>addr</i>	Remote Peer IP Address
clear	(Optional) Reset functions

## Command Mode

- /exec



# show nve internal txlist source

```
show nve internal txlist { source-group }
```

## Syntax Description

Syntax Description		
show		Show running system information
nve		Display NVE information
internal		NVE Internal State
txlist		Show txlist state
source-group		Source Group txlist state

## Command Mode

- /exec

# show nve internal vni-history

show nve internal vni-history [ vni <vni> | clear ]

## Syntax Description

Syntax Description		
show	Show running system information	
nve	Display NVE information	
internal	NVE Internal State	
vni-history	Show internal vni-history	
vni	(Optional)	
<i>vni</i>	(Optional)	
clear	(Optional)	

## Command Mode

- /exec

# show nve internal vni

```
show nve internal vni { <vni-id> | all }
```

## Syntax Description

Syntax Description	
show	Show running system information
nve	Display NVE information
internal	NVE Internal State
vni	Virtual Network Identifier
all	Show status of all vnis
<i>vni-id</i>	Virtual Network Identifier

## 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

#### 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)
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

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

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

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

#### 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
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_vni</i>	(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

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

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

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

Syntax Description	show	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

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

## Command Mode

- /exec

# show nxapi

```
show nxapi [ __readonly__ { operation_status <o_status> } [ configuration_error <c_error> ] {
TABLE_listen_on_port <l_port> } ]
```

## Syntax Description

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

## Command Mode

- /exec



# show nxapi internal buffer

show nxapi internal buffer

## Syntax Description

<b>Syntax Description</b>	show	Show running system information
	internal	Commands for internal use
	nxapi	Show information about nxapi
	buffer	Show dme buffer

## Command Mode

- /exec

# show nxapi retries

show nxapi retries

## Syntax Description

---

### Syntax Description

---

show Show running system information

---

nxapi Show nxapi status

---

retries Show retry entries from svc\_ifc\_confelem.log

---

## Command Mode

- /exec