



O Show Commands

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show object-group

```
show object-group [ <name> ] [ __readonly__ TABLE_ogroup <group_type> <group_name> [ TABLE_seqno
<seqno> { <_port_op> <port0_num> | <_port_range> <port1_num> <port2_num> | <hostaddr> | <net_ip> |
<mask_ip_addr> <mask_ip_mask> | <hostipv6> | <net_ipv6> | <mask_ipv6_addr> <mask_ipv6_mask> } ]
]
```

Syntax Description

Syntax Description

show	Show running system information
object-group	Show configured ACL object groups
<i>name</i>	(Optional) object-group name
<i>__readonly__</i>	(Optional)
<i>group_type</i>	(Optional) Object group type
<i>group_name</i>	(Optional) Object group name
<i>seqno</i>	(Optional) Sequence number
<i>TABLE_ogroup</i>	(Optional)
<i>TABLE_seqno</i>	(Optional)
<i>_port_op</i>	(Optional) Port operator
<i>_port_range</i>	(Optional) Port range
<i>port0_num</i>	(Optional) Port number
<i>port1_num</i>	(Optional) Port number
<i>port2_num</i>	(Optional) Port number
<i>net_ip</i>	(Optional) A.B.C.D Network address of object-group member
<i>hostaddr</i>	(Optional) A.B.C.D Host address
<i>mask_ip_addr</i>	(Optional) A.B.C.D IP address
<i>mask_ip_mask</i>	(Optional) A.B.C.D IP address mask

Command Mode

- /exec

show onep

```
show onep { session { all | <onep-session-id> | rate-limit } [ detail ] } [ __readonly__ [ { TABLE_sessions
<ID> <Username> <State> <ReconnectTimer> <ConnectTime> <Appname> <Error> } ] [ { TABLE_details
<Appname> <Username> <State> <Error> <ConnectingTime> <ConnectTime> <ReconnectTimer> <ID>
<Version> <LastActiveTime> <Keepalive> <TransportName> <HostIP> <HostName> <Pid> [ {
TABLE_client_certificate <SerialNumber> <Issuer> [ { TABLE_validity <notBefore> <notAfter> } ]
<Subject> <KeyUsage> [ { TABLE_fingerprint <HashType> <HashValue> } ] } ] ] [ { TABLE_buckets
<Addr> <Hash> <Rate> <Last> <Current> <Limit> <ExtendedLimit> <MarkCounter> <Reject> <Accept>
} ] ]
```

Syntax Description

Syntax Description

show	Show running system information
onep	One Platform
session	One Platform session
all	All sessions
<i>onep-session-id</i>	Specific session name
rate-limit	rate limiting feature info
<i>__readonly__</i>	(Optional)
TABLE_sessions	(Optional) all current sessions of onep
<i>ID</i>	(Optional) the session handler
<i>Username</i>	(Optional) the username
<i>State</i>	(Optional) the state
<i>ReconnectTimer</i>	(Optional) the reconnect timer
<i>ConnectTime</i>	(Optional) the connect time
<i>Appname</i>	(Optional) the application name
<i>Error</i>	(Optional) possible error message
TABLE_buckets	(Optional) all rate limit buckets
<i>Addr</i>	(Optional) the remote address
<i>Hash</i>	(Optional) the hash of the remote address
<i>Rate</i>	(Optional) the token fill rate
<i>Last</i>	(Optional) the last rate check time
<i>Current</i>	(Optional) current tokens that are accepted to consume

<i>Limit</i>	(Optional) the standard limit on tokens
<i>ExtendedLimit</i>	(Optional) the burst limit on tokens
<i>MarkCounter</i>	(Optional) the burst tokens to consume
<i>Reject</i>	(Optional) stats: rejected TCP connections
<i>Accept</i>	(Optional) stats: accepted TCP connections
<i>detail</i>	(Optional) Show detailed session info
<i>TABLE_details</i>	(Optional) all current sessions of onep
<i>ID</i>	(Optional) the session handler
<i>Appname</i>	(Optional) the application name
<i>Username</i>	(Optional) the username
<i>State</i>	(Optional) the state
<i>ConnectTime</i>	(Optional) the connected time
<i>ConnectingTime</i>	(Optional) the connecting time
<i>ReconnectTimer</i>	(Optional) the reconnect timer
<i>Version</i>	(Optional) onep version
<i>LastActiveTime</i>	(Optional) last activity time
<i>Keepalive</i>	(Optional) keepalive time
<i>TransportName</i>	(Optional) Transport name
<i>HostIP</i>	(Optional) host address
<i>HostName</i>	(Optional) host name
<i>Pid</i>	(Optional) Pid
<i>TABLE_client_certificate</i>	(Optional) client certificate
<i>SerialNumber</i>	(Optional) Serial Number
<i>Issuer</i>	(Optional) Issuer
<i>TABLE_validity</i>	(Optional) certificate validity
<i>notBefore</i>	(Optional) notBefore
<i>notAfter</i>	(Optional) notAfter
<i>Subject</i>	(Optional) Subject
<i>KeyUsage</i>	(Optional) Key Usage

<i>TABLE_fingerprint</i>	(Optional) certificate finger print
<i>HashType</i>	(Optional) Hash Type
<i>HashValue</i>	(Optional) Hash Value

Command Mode

- /exec

show onep cli-extensions applications

```
show onep cli-extensions applications [ __readonly__ <num_applications> [ TABLE_applications <app_name>
<app_version> <config_domain> <ver_specific> ] ]
```

Syntax Description

Syntax Description		
show		Show running system information
onep		One Platform
cli-extensions		CLI Extensions feature
applications		Onep applications using the CLI Extensions feature
<i>__readonly__</i>		(Optional)
<i>num_applications</i>		(Optional) Number of onep applications
<i>TABLE_applications</i>		(Optional) Table of onep applications
<i>app_name</i>		(Optional) Onep application name
<i>app_version</i>		(Optional) Onep application version
<i>config_domain</i>		(Optional) Onep config domain
<i>ver_specific</i>		(Optional) Onep application version specific

Command Mode

- /exec

show onep error

```
show onep error [ __readonly__ [ { TABLE_onep_errors <Content> } ] ]
```

Syntax Description

Syntax Description		
show		Show running system information
onep		One Platform
error		Error
<i>__readonly__</i>		(Optional)
<i>TABLE_onep_errors</i>	(Optional)	Errors messages
<i>Content</i>	(Optional)	error content

Command Mode

- /exec

show onep history

```
show onep history { { archived } | { all } | { session { all | <onep-session-id> } } } [ __readonly__ [ {
TABLE_history <Record> } ] ]
```

Syntax Description

Syntax Description	show	Show running system information
	onep	One Platform
	history	One Platform history trails
	archived	One Platform archived session
	session	One Platform session
	<i>onep-session-id</i>	Specific session name
	all	All sessions
	<i>__readonly__</i>	(Optional)
	<i>TABLE_history</i>	(Optional) a set of history records
	<i>Record</i>	(Optional) an individual history record

Command Mode

- /exec

show onep internal api statistics

```
show onep internal api statistics { summary | session { all | <onep-session-id> } } [ include-zero ]
```

Syntax Description

Syntax Description	show	Show running system information
	onep	ONE-P internal show commands
	internal	Internal commands
	api	Thrift API calls
	statistics	Print the ONE-P internal statistics
	summary	Print a summary of statistics for all sessions
	session	session
	all	All current sessions
	<i>onep-session-id</i>	Specific session
	include-zero	(Optional) Display statistics with zero count

Command Mode

- /exec

show onep internal session-manager

show onep internal session-manager

Syntax Description

Syntax Description		
	show	Show running system information
	onep	One Platform
	internal	Commands for internal use
	session-manager	Display session-manager internals

Command Mode

- /exec

show onep statistics

```
show onep statistics [ session { all | <onep-session-id> } ] [ __readonly__ [ { TABLE_stats_global
<SessionTotal> <ActiveSessions> <LocalDisconnect> <RemoteDisconnect> <ErrorDisconnect>
<TotalDisconnects> <TotalErrors> <AuthenticateErr> <DupAppNameErr> <MemErr> <SystemErr>
<TotalConnects> <RejectedConnects> <AcceptedConnects> <UnaffectedConnects> <FailedConnectionIndex>
<SequenceNumber> <FailureReason> <ErrorCode> <FailureTime> <RemoteHost> } ] [ {
TABLE_stats_sessions <ID> <Appname> <APIIn> <APIOut> <BytesIn> <BytesOut> <VtyCount> <Error>
} ] ]
```

Syntax Description

Syntax Description

show	Show running system information
onep	One Platform
statistics	statistics
session	(Optional) One Platform session
all	(Optional) All sessions
<i>onep-session-id</i>	(Optional) Specific session name
<i>__readonly__</i>	(Optional)
<i>TABLE_stats_global</i>	(Optional) global session statistics for onep
<i>SessionTotal</i>	(Optional) total onep sessions
<i>ActiveSessions</i>	(Optional) currently active onep sessions
<i>LocalDisconnect</i>	(Optional) onep sessions locally disconnected
<i>RemoteDisconnect</i>	(Optional) onep sessions remotely disconnected
<i>ErrorDisconnect</i>	(Optional) onep sessions errored disconnected
<i>TotalDisconnects</i>	(Optional) total onep disconnected sessions
<i>TotalErrors</i>	(Optional) total onep errors
<i>AuthenticateErr</i>	(Optional) onep authentication errors
<i>DupAppNameErr</i>	(Optional) onep duplicate application name errors
<i>MemErr</i>	(Optional) onep memory errors
<i>SystemErr</i>	(Optional) onep system errors
<i>TotalConnects</i>	(Optional) total number of TCP connection attempts
<i>RejectedConnects</i>	(Optional) number of TCP connections rejected by rate limiting

<i>AcceptedConnects</i>	(Optional) number of TCP connections accepted by rate limiting
<i>UnaffectedConnects</i>	(Optional) number of TCP connections unaffected by rate limiting
<i>FailedConnectionIndex</i>	(Optional) Index of the failed connection
<i>SequenceNumber</i>	(Optional) Sequence number of the failed connection
<i>FailureReason</i>	(Optional) Failure reason of the failed connection
<i>ErrorCode</i>	(Optional) Error code of the failed connection
<i>FailureTime</i>	(Optional) Failure time of the failed connection
<i>RemoteHost</i>	(Optional) Remote host address of the failed connection
TABLE_stats_sessions	(Optional) all current sessions of onep
<i>ID</i>	(Optional) the session handler
<i>Appname</i>	(Optional) the application name
<i>APIIn</i>	(Optional) the API in
<i>APIOut</i>	(Optional) the API out
<i>BytesIn</i>	(Optional) the Bytes in
<i>BytesOut</i>	(Optional) the Bytes out
<i>VtyCount</i>	(Optional) the Vty count
<i>Error</i>	(Optional) possible error message

Command Mode

- /exec

show onep status

```
show onep status [ __readonly__ { operational_status <o_status> } { operational_enable_reason
<o_enable_reason> } { operational_version <o_version> } [ { TABLE_transports <transport_name> <status>
[ <port> ] [ <access_class> ] [ { TABLE_trustpoints <trustpoint_type> <trustpoint_name> [ {
TABLE_trustpoint_hashes <tp_hash_type> <tp_hash_value> } ] } ] ] ] { session_max_limit <s_max_limit>
} { session_key <enabled> } { cpu_interval <c_interval> } { cpu_fall_threshold <c_fall_threshold> } {
cpu_rise_threshold <c_rise_threshold> } { history_buffer_on <h_buffer_on> } { history_buffer_purge
<h_buffer_purge> } { history_buffer_size <h_buffer_size> } { history_syslog <h_syslog> } [ {
TABLE_service_sets <service_set> <state> [ <enable_mask> ] <version> <accessible_by> } ] ]
```

Syntax Description

Syntax Description

show	Show running system information
onep	One Platform
status	status
<i>__readonly__</i>	(Optional)
<i>operational_status</i>	(Optional) run-time info about onep
<i>o_status</i>	(Optional) status of onep
<i>operational_enable_reason</i>	(Optional) enable reason if onep is enabled
<i>o_enable_reason</i>	(Optional) if onep is enabled, the enable reason
<i>operational_version</i>	(Optional) run-time version about onep
<i>o_version</i>	(Optional) version of onep
<i>TABLE_transports</i>	(Optional) all transports of onep
<i>transport_name</i>	(Optional) the transport name
<i>status</i>	(Optional) the transport status
<i>port</i>	(Optional) the transport port
<i>access_class</i>	(Optional) the transport access-class
<i>TABLE_trustpoints</i>	(Optional) all trustpoints of the transport
<i>trustpoint_type</i>	(Optional) either Server-Identity or Client-Verification
<i>trustpoint_name</i>	(Optional) the name of the configured trustpoint
<i>TABLE_trustpoint_hashes</i>	(Optional) hashes of a certificate in each trustpoint
<i>tp_hash_type</i>	(Optional) the algorithm used to perform the hash
<i>tp_hash_value</i>	(Optional) the actual hash

<i>session_max_limit</i>	(Optional) maximum number of sessions allowed
<i>s_max_limit</i>	(Optional) maximum limit
<i>session_key</i>	(Optional) session key-required
<i>enabled</i>	(Optional) session key-required
<i>cpu_interval</i>	(Optional) observation interval in seconds
<i>c_interval</i>	(Optional) observation interval
<i>cpu_fall_threshold</i>	(Optional) falling threshold in percentage
<i>c_fall_threshold</i>	(Optional) falling threshold
<i>cpu_rise_threshold</i>	(Optional) rising threshold in percentage
<i>c_rise_threshold</i>	(Optional) rising threshold
<i>history_buffer_on</i>	(Optional) history buffer on
<i>h_buffer_on</i>	(Optional) history buffer on
<i>history_buffer_purge</i>	(Optional) history buffer purge
<i>h_buffer_purge</i>	(Optional) purge oldest or newest
<i>history_buffer_size</i>	(Optional) history buffer size
<i>h_buffer_size</i>	(Optional) history buffer size
<i>history_syslog</i>	(Optional) history syslog
<i>h_syslog</i>	(Optional) history syslog
<i>TABLE_service_sets</i>	(Optional) all registered service sets of onep
<i>service_set</i>	(Optional) service set name
<i>state</i>	(Optional) service set state
<i>enable_mask</i>	(Optional) service set enable mask
<i>version</i>	(Optional) service set version
<i>accessible_by</i>	(Optional) service set accessibility

Command Mode

- /exec

show onep trace

```
show onep trace [ __readonly__ [ { TABLE_onep_traces <Content> } ] ]
```

Syntax Description

Syntax Description		
show		Show running system information
onep		One Platform
trace		Trace
<i>__readonly__</i>		(Optional)
<i>TABLE_onep_traces</i>		(Optional) all internal traces
<i>Content</i>		(Optional) trace content

Command Mode

- /exec

show openflow hardware capabilities

show openflow hardware capabilities [pipeline <pipeline-id>]

Syntax Description

Syntax Description		
show	Show running system information	
openflow	Show OpenFlow information	
hardware	Hardware	
capabilities	Capabilities	
pipeline	(Optional) Pipeline id	
<i>pipeline-id</i>	(Optional) Pipeline id	

Command Mode

- /exec

show openflow internal

```
show openflow internal { counters { mts | arp { [ interface <ifname> ] | statsdb } } | topology | plifnxos counters
| pktflowdb | timestamp }
```

Syntax Description

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
internal	Commands for internal use
counters	Info about internal counters
mts	MTS send and receive stats
topology	Info about the topologies
plifnxos	Info about the L2RIB flow mods counters
pktflowdb	Dump the flow db from the packets
timestamp	Timestamp for all the controller to switch messages
arp	Info about the ARP packet counters
interface	(Optional) Interface
<i>ifname</i>	(Optional) Interface name
statsdb	Dump the ARP stats database

Command Mode

- /exec

show openflow internal event-history errors

show openflow internal event-history errors

Syntax Description

Syntax Description		
show		Show running system information
openflow		Show OpenFlow information
internal		Commands for internal use
event-history		Show event history of OpenFlow
errors		Show error history of OpenFlow

Command Mode

- /exec

show openflow internal event-history events

show openflow internal event-history events

Syntax Description

Syntax Description		
show	Show running system information	
openflow	Show OpenFlow information	
internal	Commands for internal use	
event-history	Show event history of OpenFlow	
events	Show event history of OpenFlow	

Command Mode

- /exec

show openflow internal event-history mts

show openflow internal event-history mts

Syntax Description

Syntax Description		
show		Show running system information
openflow		Show OpenFlow information
internal		Commands for internal use
event-history		Show event history of OpenFlow
mts		Show MTS message history of OpenFlow

Command Mode

- /exec

show openflow internal event-history ovs errors

show openflow internal event-history ovs errors

Syntax Description

Syntax Description		
show	Show running system information	
openflow	Show OpenFlow information	
internal	Commands for internal use	
event-history	Show event history of OpenFlow	
ovs	Openvswitch	
errors	Show error history of OpenFlow	

Command Mode

- /exec

show openflow internal event-history ovs events

show openflow internal event-history ovs events

Syntax Description

Syntax Description		
show	Show running system information	
openflow	Show OpenFlow information	
internal	Commands for internal use	
event-history	Show event history of OpenFlow	
ovs	Openvswitch	
events	Show event history of OpenFlow	

Command Mode

- /exec

show openflow internal mem-stats

show openflow internal mem-stats [detail]

Syntax Description

Syntax Description	
show	Show running system information
openflow	Show OpenFlow information
internal	Commands for internal use
mem-stats	Show memory allocation statistics
detail	(Optional) Display detailed information

Command Mode

- /exec

show openflow switch

```
show openflow switch <switch-id> [ { controllers [ stats | { role { master | slave | equal } } ] | ports } ] [
__readonly__ <cli_output> <ctrlv4> <ctrlport> ]
```

Syntax Description

Syntax Description		
show	Show running system information	
openflow	Show OpenFlow information	
switch	Logical switch id	
<i>switch-id</i>	Logical switch-id to enter	
controllers	(Optional) Controllers	
stats	(Optional) Stats	
ports	(Optional) Ports	
role	(Optional) Controller role	
master	(Optional) Master	
slave	(Optional) Slave	
equal	(Optional) Equal	
<i>__readonly__</i>	(Optional)	
<i>cli_output</i>	(Optional)	
<i>ctrlv4</i>	(Optional)	
<i>ctrlport</i>	(Optional)	

Command Mode

- /exec

show openflow switch flows

```
show openflow switch <switch-id> flows [ [ table-id <table-id> ] [ [ pending | pending-del | controller |
configured | default | fixed ] [ brief | summary ] ] | stats ]
```

Syntax Description

Syntax	Description
show	Show running system information
openflow	Show OpenFlow information
switch	Logical switch id
<i>switch-id</i>	Logical switch-id to enter
flows	Flows
brief	(Optional) Brief
summary	(Optional) Summary
pending	(Optional) Pending
pending-del	(Optional) Pending delete
controller	(Optional) Controller
configured	(Optional) Configured
default	(Optional) Default
fixed	(Optional) Fixed
stats	(Optional) Stats
table-id	(Optional) Table-id for the pipeline
<i>table-id</i>	(Optional) Table ID

Command Mode

- /exec

show ospfv3

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx
<ptag> <instance_number> <cname> <rid> <stateful_ha> <gr_ha> [ [ <gr_planned_only> ] [
<gr_notify_period> ] [ <gr_grace_period> ] [ <gr_state> ] [ <gr_last_status> ] ] [ <gr_helper_mode> ]
<support_tos0_only> <support_opaque_lsa> [ <low_mem_cond> ] <is_abr> <is_asbr> [
<max_lsa_non_self_number> ] [ <max_lsa_state> ] [ <max_lsa_warning_only> ] [
<max_lsa_current_non_self_lsa_number> ] [ <max_lsa_threshold_pct> ] [ <max_lsa_ignore_time> ] [
<max_lsa_reset_time> ] [ <max_lsa_ignore_count> ] [ <max_lsa_current_ignore_count> ] [
<max_lsa_ignore_time_left> ] [ <max_lsa_reset_time_left> ] [ <max_lsa_permanent_ignore> ] [
<ipsec_sa_type> ] [ <ipsec_sa_algorithm> ] [ <ipsec_sa_spi> ] [ { TABLE_redist <proto> [ <max_lsas> ] [
<warning> ] [ <threshold> ] [ <current_count> ] } ] <admin_dist> <ref_bw> <spf_start_time> <spf_hold_time>
<spf_max_time> <lsa_start_time> <lsa_hold_time> <lsa_max_time> <min_lsa_arr_time> <lsa_aging_pace>
<spf_max_paths> <max_metric_adver> [ [ <max_metric_time_left> ] [ <max_metric_wait_bgp> ] [
<max_metric_timeout> ] [ <max_metric_always> ] [ <max_metric_sum_lsa> ] [ <max_metric_ext_lsa> ] ]
<asext_lsa_cnt> <asext_lsa_crc> <area_total> <area_normal> <area_stub> <area_nssa> <act_area_total>
<act_area_normal> <act_area_stub> <act_area_nssa> <no_discard_rt_ext> <no_discard_rt_int> [
<bfd_enabled> ] [ <passive_dflt> ] [ <name_lookup> ] [ { TABLE_area <aname> [ <backbone_active> ] [
<active> ] <age> <total_intf> <act_intf> <passive_intf> <loopback_intf> [ <gr_nbr_cnt> ] <stub> [
<stub_def_cost> ] <nssa> [ <no_redist> ] [ <nssa_trans> ] <no_summary> <spf_runs> <last_spf_run_time>
[ <rtr_lsa_throt> ] [ <ipsec_sa_type> ] [ <ipsec_sa_algorithm> ] [ <ipsec_sa_spi> ] [ TABLE_range <addr>
<masklen> <state> <nets> <advertise> [ <cost> ] ] [ <filter_in> ] [ <filter_out> ] <lsa_cnt> <lsa_crc> } ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
instance_number	(Optional)
cname	(Optional)
rid	(Optional)

<i>stateful_ha</i>	(Optional)
<i>gr_ha</i>	(Optional)
<i>gr_planned_only</i>	(Optional)
<i>gr_notify_period</i>	(Optional)
<i>gr_grace_period</i>	(Optional)
<i>gr_state</i>	(Optional)
<i>gr_last_status</i>	(Optional)
<i>gr_helper_mode</i>	(Optional)
<i>support_tos0_only</i>	(Optional)
<i>support_opaque_lsa</i>	(Optional)
<i>low_mem_cond</i>	(Optional)
<i>is_abr</i>	(Optional)
<i>is_asbr</i>	(Optional)
<i>max_lsa_non_self_number</i>	(Optional)
<i>max_lsa_state</i>	(Optional)
<i>max_lsa_warning_only</i>	(Optional)
<i>max_lsa_current_non_self_lsa_number</i>	(Optional)
<i>max_lsa_threshold_pct</i>	(Optional)
<i>max_lsa_ignore_time</i>	(Optional)
<i>max_lsa_reset_time</i>	(Optional)
<i>max_lsa_ignore_count</i>	(Optional)
<i>max_lsa_current_ignore_count</i>	(Optional)
<i>max_lsa_ignore_time_left</i>	(Optional)
<i>max_lsa_reset_time_left</i>	(Optional)
<i>max_lsa_permanent_ignore</i>	(Optional)
<i>ipsec_sa_type</i>	(Optional) IPsec SA Type
<i>ipsec_sa_algorithm</i>	(Optional) IPsec SA Algorithm name
<i>ipsec_sa_spi</i>	(Optional) IPsec SA SPI Value
TABLE_redist	(Optional)

<i>proto</i>	(Optional)
<i>max_lsas</i>	(Optional)
<i>warning</i>	(Optional)
<i>threshold</i>	(Optional)
<i>current_count</i>	(Optional)
<i>admin_dist</i>	(Optional)
<i>ref_bw</i>	(Optional)
<i>spf_start_time</i>	(Optional)
<i>spf_hold_time</i>	(Optional)
<i>spf_max_time</i>	(Optional)
<i>lsa_start_time</i>	(Optional)
<i>lsa_hold_time</i>	(Optional)
<i>lsa_max_time</i>	(Optional)
<i>min_lsa_arr_time</i>	(Optional)
<i>lsa_aging_pace</i>	(Optional)
<i>spf_max_paths</i>	(Optional)
<i>max_metric_adver</i>	(Optional)
<i>max_metric_time_left</i>	(Optional)
<i>max_metric_wait_bgp</i>	(Optional)
<i>max_metric_timeout</i>	(Optional)
<i>max_metric_always</i>	(Optional)
<i>max_metric_sum_lsa</i>	(Optional)
<i>max_metric_ext_lsa</i>	(Optional)
<i>asext_lsa_cnt</i>	(Optional)
<i>asext_lsa_crc</i>	(Optional)
<i>area_total</i>	(Optional)
<i>area_normal</i>	(Optional)
<i>area_stub</i>	(Optional)
<i>area_nssa</i>	(Optional)

<i>act_area_total</i>	(Optional)
<i>act_area_normal</i>	(Optional)
<i>act_area_stub</i>	(Optional)
<i>act_area_nssa</i>	(Optional)
<i>bfd_enabled</i>	(Optional)
<i>passive_dflt</i>	(Optional)
<i>name_lookup</i>	(Optional)
<i>no_discard_rt_ext</i>	(Optional)
<i>no_discard_rt_int</i>	(Optional)
TABLE_area	(Optional)
<i>aname</i>	(Optional)
<i>backbone_active</i>	(Optional)
<i>active</i>	(Optional)
<i>age</i>	(Optional)
<i>total_intf</i>	(Optional)
<i>act_intf</i>	(Optional)
<i>passive_intf</i>	(Optional)
<i>loopback_intf</i>	(Optional)
<i>gr_nbr_cnt</i>	(Optional)
<i>stub</i>	(Optional)
<i>stub_def_cost</i>	(Optional)
<i>nssa</i>	(Optional)
<i>no_redist</i>	(Optional)
<i>nssa_trans</i>	(Optional)
<i>no_summary</i>	(Optional)
<i>spf_runs</i>	(Optional)
<i>last_spf_run_time</i>	(Optional)
<i>rtr_lsa_throt</i>	(Optional)
<i>ipsec_sa_type</i>	(Optional) IPsec SA Type

<i>ipsec_sa_algorithm</i>	(Optional) IPsec SA Algorithm name
<i>ipsec_sa_spi</i>	(Optional) IPsec SA SPI Value
<i>TABLE_range</i>	(Optional)
<i>masklen</i>	(Optional)
<i>state</i>	(Optional)
<i>nets</i>	(Optional)
<i>advertise</i>	(Optional)
<i>cost</i>	(Optional)
<i>filter_in</i>	(Optional)
<i>filter_out</i>	(Optional)
<i>lsa_cnt</i>	(Optional)
<i>lsa_crc</i>	(Optional)

Command Mode

- /exec

show ospfv3 border-routers

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] border-routers [ all_routes ] [
vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_br
<type> <addr> <cost> <asbr> <abr> <area> <spf_inst> [ <vlink_unresolved> ] [ TABLE_br_ubest_nh [
<ubest_nh_addr> ] [ <ubest_nh_intf> ] ] [ TABLE_br_mbest_nh [ <mbest_nh_addr> ] [ <mbest_nh_intf> ]
] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
border-routers	Border routers
all_routes	(Optional) Display all OSPFv3 routes
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_br	(Optional)
type	(Optional)
addr	(Optional)
cost	(Optional)
asbr	(Optional)
abr	(Optional)
area	(Optional)
spf_inst	(Optional)

vlink_unresolved (Optional)

TABLE_br_ubest_nh (Optional)

ubest_nh_intf (Optional)

TABLE_br_mbest_nh (Optional)

mbest_nh_intf (Optional)

Command Mode

- /exec

show ospfv3 database

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ [ router | network | intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ { link | link-unknown | grace } [ <interface> ] ] ] ] area <area-id-ip> ] | external [ tag <tag_val> ] | as-unknown [ <lsid> ] [ self-originated | adv-router <adv-id> | adv-router-name <adv-name> ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <rid> <ptag> <cname> [ TABLE_db3_lsa [ <name> ] [ <area> ] [ <id> ] [ <advrtr> ] [ <age> ] [ <seqno> ] [ <corrupt> ] [ <rtr_num_links> ] [ <net_num_rtr> ] [ <prefix> ] [ <inter_rid> ] [ <link_if> ] [ <intra_ref_type> ] [ <intra_ref_lsid> ] ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs
external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs

<i>interface</i>	(Optional) OSPF enabled interface
<i>intra-area-prefix</i>	(Optional) Display Intra-Area-Prefix LSAs
<i>self-originated</i>	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
<i>adv-router</i>	(Optional) Restrict display by Advertising router
<i>adv-id</i>	(Optional) Advertising router ID
<i>adv-router-name</i>	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
<i>area</i>	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
<i>tag</i>	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
<i>__readonly__</i>	(Optional)
<i>TABLE_ctx</i>	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>TABLE_db3_lsa</i>	(Optional)
<i>name</i>	(Optional)
<i>area</i>	(Optional)
<i>id</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>age</i>	(Optional)
<i>seqno</i>	(Optional)
<i>corrupt</i>	(Optional)
<i>rtr_num_links</i>	(Optional)
<i>net_num_rtr</i>	(Optional)
<i>inter_rid</i>	(Optional)
<i>link_if</i>	(Optional)

intra_ref_type (Optional)

intra_ref_lsid (Optional)

Command Mode

- /exec

show ospfv3 database database-summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database database-summary
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <rid> <ptag> <cname> [
TABLE_dbsum [ TABLE_dbsum_area <area> [ TABLE_dbsum_area_lsa <area_lsa_name> <area_lsa_count>
] <area_lsa_total> ] [ TABLE_dbsum_all [ TABLE_dbsum_lsa_all <lsa_name> <lsa_count> ]
<non_self_lsa_total> <lsa_total> ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
database-summary	Summary of database
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_dbsum	(Optional)
TABLE_dbsum_area	(Optional)
area	(Optional)
TABLE_dbsum_area_lsa	(Optional)
area_lsa_name	(Optional)
area_lsa_count	(Optional)
area_lsa_total	(Optional)

TABLE_dbsum_all (Optional)

TABLE_dbsum_lsa_all (Optional)

lsa_name (Optional)

lsa_count (Optional)

non_self_lsa_total (Optional)

lsa_total (Optional)

Command Mode

- /exec

show ospfv3 database detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ [ router | network
| intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ [ { link | link-unknown |
grace } [ <interface> ] ] ] ] [ area <area-id-ip> ] ] | external [ tag <tag_val> ] | as-unknown [ [ <lsid> ] [
self-originated | adv-router <adv-id> | adv-router-name <adv-name> ] detail [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <rid> <ptag> <cname> [ TABLE_db3_lsa [ <name>
] [ <area> ] [ TABLE_lsdb <age> <maxage> <wrapping> <dummy> <flush_pending> <type> [ <intf> ] <id>
<advtr> <seqno> <cksum> <len> [ <corrupt> ] [ <rtr_abr> ] [ <rtr_asbr> ] [ <rtr_translate> ] [ <rtr_vlink_end>
] [ <rtr_options> ] [ <rtr_num_links> ] [ TABLE_rlsa [ <rtr_link_type> ] [ <rtr_link_metric> ] [ <rtr_link_ifid>
] [ <rtr_link_nbr_ifid> ] [ <rtr_link_nbr_rid> ] ] [ <net_options> ] [ TABLE_nlsa [ <net_rtr> ] ] [ <ia_prefix>
] [ <ia_prefix_options> ] [ <ia_prefix_metric> ] [ <ia_rtr_options> ] [ <ia_rtr_metric> ] [ <ia_rtr_rid> ] [
<asext_prefix> ] [ <asext_options> ] [ <asext_metric_type2> ] [ <asext_metric> ] [ <asext_fwd_addr> ] [
<asext_tag> ] [ <asext_ref_lstype> ] [ <asext_ref_lsid> ] [ <link_priority> ] [ <link_options> ] [ <link_laddr>
] [ <link_num_prefix> ] [ TABLE_linklsa [ <link_prefix> ] [ <link_prefix_options> ] ] [ <intra_num_prefix>
] [ <intra_ref_lstype> ] [ <intra_ref_lsid> ] [ <intra_ref_advtr> ] [ TABLE_iaplsa [ <intra_prefix> ] [
<intra_prefix_options> ] [ <intra_prefix_metric> ] [ <corrupted_length> ] ] [ <tlv_type> ] [ <tlv_len> ] [
<tlv_data> ] [ <tlv_unknown> ] [ <gr_interval> ] [ <gr_reason> ] [ <unknown> ] [ <data_len> ] [ <data> ] ]
]
```

Syntax Description

Syntax Description	show	Show running system information
	ipv6	(Optional) Display IPv6 information
	ospfv3	Display OSPFv3 status and configuration
	tag	(Optional) Process tag
	vrf	(Optional) Display per-VRF information
	vrf-name	(Optional) VRF name
	vrf-known-name	(Optional) Known VRF name
	all	(Optional) Display information for all VRFs
	database	Link-state Database Summary
	router	(Optional) Display router LSAs
	network	(Optional) Display network LSAs
	inter-area	(Optional) Display inter-area LSAs
	iprefix	(Optional) Display Inter-Area-Prefix LSAs
	irouter	(Optional) Display Inter-Area-Router LSAs
	nssa-external	(Optional) Display NSSA-external LSAs
	area-unknown	(Optional) Display area-scope unknown LSAs

external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
<i>interface</i>	(Optional) OSPF enabled interface
intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
detail	Display LSA in detail
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_db3_lsa	(Optional)
<i>name</i>	(Optional)
<i>area</i>	(Optional)
TABLE_lsdb	(Optional)
<i>age</i>	(Optional)
<i>maxage</i>	(Optional)

<i>wrapping</i>	(Optional)
<i>dummy</i>	(Optional)
<i>flush_pending</i>	(Optional)
<i>type</i>	(Optional)
<i>intf</i>	(Optional)
<i>id</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>seqno</i>	(Optional)
<i>cksum</i>	(Optional)
<i>len</i>	(Optional)
<i>corrupt</i>	(Optional)
<i>rtr_abr</i>	(Optional)
<i>rtr_asbr</i>	(Optional)
<i>rtr_translate</i>	(Optional)
<i>rtr_vlink_end</i>	(Optional)
<i>rtr_options</i>	(Optional)
<i>rtr_num_links</i>	(Optional)
TABLE_rlsa	(Optional)
<i>rtr_link_type</i>	(Optional)
<i>rtr_link_metric</i>	(Optional)
<i>rtr_link_ifid</i>	(Optional)
<i>rtr_link_nbr_ifid</i>	(Optional)
<i>rtr_link_nbr_rid</i>	(Optional)
<i>net_options</i>	(Optional)
TABLE_nlsa	(Optional)
<i>net_rtr</i>	(Optional)
<i>ia_prefix_options</i>	(Optional)
<i>ia_prefix_metric</i>	(Optional)
<i>ia_rtr_options</i>	(Optional)

<i>ia_rtr_metric</i>	(Optional)
<i>ia_rtr_rid</i>	(Optional)
<i>asext_options</i>	(Optional)
<i>asext_metric_type2</i>	(Optional)
<i>asext_metric</i>	(Optional)
<i>asext_tag</i>	(Optional)
<i>asext_ref_lstype</i>	(Optional)
<i>asext_ref_lsid</i>	(Optional)
<i>link_priority</i>	(Optional)
<i>link_options</i>	(Optional)
<i>link_num_prefix</i>	(Optional)
TABLE_linklsa	(Optional)
<i>link_prefix_options</i>	(Optional)
<i>intra_num_prefix</i>	(Optional)
<i>intra_ref_lstype</i>	(Optional)
<i>intra_ref_lsid</i>	(Optional)
<i>intra_ref_advrtr</i>	(Optional)
TABLE_iaplsa	(Optional)
<i>intra_prefix_options</i>	(Optional)
<i>intra_prefix_metric</i>	(Optional)
<i>corrupted_length</i>	(Optional)
<i>tlv_type</i>	(Optional)
<i>tlv_len</i>	(Optional)
<i>tlv_data</i>	(Optional)
<i>tlv_unknown</i>	(Optional)
<i>gr_interval</i>	(Optional)
<i>gr_reason</i>	(Optional)
<i>unknown</i>	(Optional)
<i>data_len</i>	(Optional)

data (Optional)

Command Mode

- /exec

show ospfv3 event-history

show ospfv3 [<tag>] [internal] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | hello | spf-trigger | cli | rib }

Syntax Description

Syntax Description		
show	Show running system information	
ospfv3	Display OSPFv3 status and configuration	
tag	(Optional) Process tag	
internal	(Optional) Commands for internal use	
event-history	Show various event logs of OSPF	
errors	Error logs	
msgs	IPC logs	
statistics	Show the state and size of the buffers	
adjacency	Adjacency formation logs	
event	Internal event logs	
ha	HA and GR logs	
flooding	LSA flooding logs	
lsa	LSA generation and database logs	
spf	SPF calculation logs	
redistribution	Redistribution logs	
hello	Hello related logs	
spf-trigger	SPF TRIGGER related logs	
cli	Cli logs	
rib	RIB related logs	

Command Mode

- /exec

show ospfv3 event-history detail

```
show ospfv3 [ <tag> ] [ internal ] event-history detail [ statistics ]
```

Syntax Description

Syntax Description		
show	Show running system information	
ospfv3	Display OSPFv3 status and configuration	
<i>tag</i>	(Optional) Process tag	
internal	(Optional) Commands for internal use	
event-history	Show event history of OSPF	
detail	Show detailed event history information	
statistics	(Optional) Show the state and size of the verbose history buffer	

Command Mode

- /exec

show ospfv3 ha

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ha [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> <stateful> <pss_restored> <pss_state>
<gr_enabled> <gr_grace_period> <gr_state> <gr_last_status> <gr_helper_mode> ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ha	High Availability status
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
stateful	(Optional)
pss_restored	(Optional)
pss_state	(Optional)
gr_enabled	(Optional)
gr_grace_period	(Optional)
gr_state	(Optional)
gr_last_status	(Optional)
gr_helper_mode	(Optional)

Command Mode

- /exec

show ospfv3 interface

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface [ <interface> | vrf {
<vrf-name> | <vrf-known-name> | all } ] [ private ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_intf
<ifname> <admin_status> <proto_status> <addr> [ <masklen> ] [ <inst_id> ] <area> [ <if_cfg> ] <state_str>
<type_str> <cost> [ <bfd_enabled> ] <index> [ <passive> ] [ <mpls> ] [ <transmit_delay> ] [ <if_priority>
] [ <dr_rid> ] [ <dr_addr> ] [ <bdr_rid> ] [ <bdr_addr> ] [ <nbr_total> ] [ <nbr_flood> ] [ <nbr_adj> ] [
<gr_nbr> ] [ <hello_interval> ] [ <dead_interval> ] [ <wait_interval> ] [ <rxmt_interval> ] [ <hello_timer>
] [ <wait_timer> ] [ <pacing_timer> ] [ <lsu_timer> ] [ <lsack_timer> ] [ <netlsa_throt_timer> ] [ <link_lsa_cnt>
] [ <link_lsa_crc> ] [ <ipsec_sa_type> ] [ <ipsec_sa_algorithm> ] [ <ipsec_sa_spi> ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
interface	(Optional) OSPF enabled interface
private	(Optional) Developer-only statistics
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
admin_status	(Optional)
proto_status	(Optional)
masklen	(Optional)
inst_id	(Optional)

<i>area</i>	(Optional)
<i>if_cfg</i>	(Optional)
<i>state_str</i>	(Optional)
<i>type_str</i>	(Optional)
<i>cost</i>	(Optional)
<i>bfd_enabled</i>	(Optional)
<i>index</i>	(Optional)
<i>passive</i>	(Optional)
<i>mpls</i>	(Optional)
<i>transmit_delay</i>	(Optional)
<i>if_priority</i>	(Optional)
<i>dr_rid</i>	(Optional)
<i>bdr_rid</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>nbr_flood</i>	(Optional)
<i>nbr_adj</i>	(Optional)
<i>gr_nbr</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>dead_interval</i>	(Optional)
<i>wait_interval</i>	(Optional)
<i>rxmt_interval</i>	(Optional)
<i>hello_timer</i>	(Optional)
<i>wait_timer</i>	(Optional)
<i>pacing_timer</i>	(Optional)
<i>lsu_timer</i>	(Optional)
<i>lsack_timer</i>	(Optional)
<i>netlsa_throt_timer</i>	(Optional)
<i>link_lsa_cnt</i>	(Optional)
<i>link_lsa_crc</i>	(Optional)

ipsec_sa_type (Optional) IPsec SA Type

ipsec_sa_algorithm (Optional) IPsec SA Algorithm name

ipsec_sa_spi (Optional) IPsec SA SPI Value

Command Mode

- /exec

show ospfv3 interface brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface brief [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> <intf_count> TABLE_intf <ifname>
<index> <area> <cost> <state_str> <nbr_total> <admin_status> ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
brief	Display summary of OSPFv3 interfaces
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
intf_count	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
index	(Optional)
area	(Optional)
cost	(Optional)
state_str	(Optional)
nbr_total	(Optional)
admin_status	(Optional)

Command Mode

- /exec

show ospfv3 internal

```
show ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] internal [ errors ] [ area <area-id-ip> ] [ table-map ] [ asbrs [ all_routes ] ] [ externals ] [ as-external-routes ] [ max-metric ] [ flood-indices ] [ if-number-tree ] [ max-lsa ] [ txlist { u6rib | inter-prefix | inter-router | as-external | throttle } ] [ lsa <area-id2-ip> <lstype> <lsid> <advtr> [ <interface> ] ] [ area-list [ <area-list-num> ] ] [ interface-list [ <if-list-num> ] ] [ nbr-list [ <nbr-list-num> ] ] [ as-definfo-originate ] [ clear-ipv6-rt-queue ] [ flood-queue-drops ] [ forwarding-address ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

Syntax Description

show	Show running system information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
internal	Commands for internal use
errors	(Optional) Error counters
area	(Optional) OSPF Area information
area-id-ip	(Optional) Area Id as an integer or ip address
table-map	(Optional) Show table-map policy details and statistics
asbrs	(Optional) OSPF ASBR information
all_routes	(Optional) Display all OSPFv3 routes
externals	(Optional) OSPF External LSAs information
max-metric	(Optional) max metric related flags and values
flood-indices	(Optional) OSPF Flood index usage for neighbors and interfaces
if-number-tree	(Optional) Patricia Tree of OSPF interfaces indexed by iod
txlist	(Optional) Show txlist
u6rib	(Optional) Show txlist of IPv6 routes sent/pending for U6RIB
inter-prefix	(Optional) Routes having contribution from inter-area-prefix LSA
inter-router	(Optional) Routes having contribution from inter-area-router LSA

as-external	(Optional) Routes having contribution from as-external LSA
throttle	(Optional) Show self originated LSA throttle list
lsa	(Optional) OSPF LSA information
max-lsa	(Optional) Show max-lsa feature details and statistics
as-definfo-originate	(Optional) Show type-5 default-information originate state
flood-queue-drops	(Optional) Show statistics related to drops when packets are enqueued on flood queue
forwarding-address	(Optional) Show the forwarding addresses PT in this vrf
<i>area-id2-ip</i>	(Optional) Area Id as an integer or ip address
<i>lstype</i>	(Optional) Link state type of LSA
<i>lsid</i>	(Optional) Link state ID of LSA
<i>advrtr</i>	(Optional) Advertising router of LSA
<i>interface</i>	(Optional) OSPF enabled interface
area-list	(Optional) Show area list
<i>area-list-num</i>	(Optional) Area list number
interface-list	(Optional) Show interface list
<i>if-list-num</i>	(Optional) Interface list number
nbr-list	(Optional) Show neighbor list
<i>nbr-list-num</i>	(Optional) Neighbor list number
as-external-routes	(Optional) Display the external routes in external redist PT
clear-ipv6-rt-queue	(Optional) Show the internal clear IPv6 route queue

Command Mode

- /exec

show ospfv3 internal ha

```
show ospfv3 [ <tag> ] internal ha [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

Syntax Description	show	Show running system information
	ospfv3	Display OSPFv3 status and configuration
	<i>tag</i>	(Optional) Process tag
	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
	internal	Commands for internal use
	ha	HA related information

Command Mode

- /exec

show ospfv3 internal library-info

show ospfv3 [<tag>] internal library-info

Syntax Description

Syntax Description		
show	Show running system information	
ospfv3	Display OSPFv3 status and configuration	
<i>tag</i>	(Optional) Process tag	
internal	Commands for internal use	
library-info	Show various event logs of library	

Command Mode

- /exec

show ospfv3 internal mem-stats

```
show ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] internal mem-stats [ no-libs ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

Syntax Description	show	Show running system information
	ospfv3	Display OSPFv3 status and configuration
	<i>tag</i>	(Optional) Process tag
	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
	internal	Commands for internal use
	mem-stats	Show memory allocation statistics
	no-libs	(Optional) Exclude libraries
	detail	(Optional) Display detailed information

Command Mode

- /exec

show ospfv3 memory

```
show [ ipv6 ] ospfv3 [ <tag> ] memory [ __readonly__ TABLE_mem <ptag> <byte_total> <byte_consumed>
<byte_overhead> <byte_allocated> <alloc_current> <alloc_created> <alloc_failed> <alloc_free> <bf_current>
<bf_created> <bf_failed> <bf_free> <bf_byte_consumed> <bf_32_current> <bf_32_created> <bf_32_failed>
<bf_32_free> <bf_32_byte_consumed> <slab_current> <slab_created> <slab_failed> <slab_free>
<slab_byte_consumed> <if_index_alloc_failed> <nbr_index_alloc_failed> ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
memory	Memory usage statistics
__readonly__	(Optional)
TABLE_mem	(Optional)
ptag	(Optional)
byte_total	(Optional)
byte_consumed	(Optional)
byte_overhead	(Optional)
byte_allocated	(Optional)
alloc_current	(Optional)
alloc_created	(Optional)
alloc_failed	(Optional)
alloc_free	(Optional)
bf_current	(Optional)
bf_created	(Optional)
bf_failed	(Optional)
bf_free	(Optional)
bf_byte_consumed	(Optional)
bf_32_current	(Optional)

bf_32_created (Optional)

bf_32_failed (Optional)

bf_32_free (Optional)

bf_32_byte_consumed (Optional)

slab_current (Optional)

slab_created (Optional)

slab_failed (Optional)

slab_free (Optional)

slab_byte_consumed (Optional)

if_index_alloc_failed (Optional)

nbr_index_alloc_failed (Optional)

Command Mode

- /exec

show ospfv3 neighbors

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ { { <interface> [ <neighbor> | <neighbor-name> ] } | { [ <neighbor> | <neighbor-name> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } ] [ __readonly__ TABLE_ctx <ptag> <cname> <nbrcount> [ TABLE_nbr <rid> <priority> <state> <drstate> <uptime> <ifid> <intf> [ <multiarea> ] <addr> ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
neighbor-name	(Optional) DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
nbrcount	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
priority	(Optional)
state	(Optional)
drstate	(Optional)
uptime	(Optional)

ifid (Optional)

intf (Optional)

multiarea (Optional)

Command Mode

- /exec

show ospfv3 neighbors detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ] [
<neighbor> ] detail [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ private ] [ __readonly__ TABLE_ctx
<ptag> <cname> [ TABLE_nbr <rid> <addr> <area> <intf> <state> <transition> <lastchange> [ <bfd_state>
] [ <priority> ] [ <ifid> ] [ <dr> ] [ <bdr> ] [ <master> ] [ <seqno> ] [ <dbdallsentacked> ] [ <dbdallsent> ] [
<dbdallacked> ] [ <lsaonreqlist> ] [ <lsafromlastreq> ] [ <lsreqrxmts> ] <helloptions> <dbdoptions>
<lastnonhello> [ <deadtimer> ] [ <pacingtimer> ] [ <dbdrxmtimer> ] [ <reqrxmtimer> ] [ <lsutimer> ] [
<rerxmtimer> ] [ <fastrerxmtimer> ] [ <lsacktimer> ] [ <grtimer> ] [ <helpermode> ] [ <helpercand> ] [
<helperterm> ] [ <senddbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt> ] [ <sendlsack> ] [
<sendlsreqreply> ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
detail	Show detailed neighbor display
private	(Optional) Developer-only statistics
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
area	(Optional)

<i>intf</i>	(Optional)
<i>state</i>	(Optional)
<i>transition</i>	(Optional)
<i>lastchange</i>	(Optional)
<i>bfd_state</i>	(Optional)
<i>priority</i>	(Optional)
<i>ifid</i>	(Optional)
<i>dr</i>	(Optional)
<i>bdr</i>	(Optional)
<i>master</i>	(Optional)
<i>seqno</i>	(Optional)
<i>dbdallsentacked</i>	(Optional)
<i>dbdallsent</i>	(Optional)
<i>dbdallacked</i>	(Optional)
<i>lsaonreqlist</i>	(Optional)
<i>lsafromlastreq</i>	(Optional)
<i>lsreqrxmts</i>	(Optional)
<i>helloptions</i>	(Optional)
<i>dbdoptions</i>	(Optional)
<i>lastnonhello</i>	(Optional)
<i>deadtimer</i>	(Optional)
<i>paddingtimer</i>	(Optional)
<i>dbdrxmtimer</i>	(Optional)
<i>reqrxmtimer</i>	(Optional)
<i>lsutimer</i>	(Optional)
<i>rerxmtimer</i>	(Optional)
<i>fastrerxmtimer</i>	(Optional)
<i>lsacktimer</i>	(Optional)
<i>grtimer</i>	(Optional)

helpermode (Optional)

helpercand (Optional)

helperterm (Optional)

senddbd (Optional)

sendsreq (Optional)

sendsu (Optional)

sendsurxmt (Optional)

sendsack (Optional)

sendsreqreply (Optional)

Command Mode

- /exec

show ospfv3 neighbors summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ]
summary [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname>
TABLE_intf { <ifname> | <total> } <down> <attempt> <init> <twoway> <exstart> <exchange> <loading>
<full> <if_total> ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
summary	Summary of neighbors
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
total	(Optional)
down	(Optional)
attempt	(Optional)
init	(Optional)
twoway	(Optional)
exstart	(Optional)

exchange (Optional)

loading (Optional)

full (Optional)

if_total (Optional)

Command Mode

- /exec

show ospfv3 policy statistics

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] policy statistics { { redistribute
{ bgp <as> | { isis | rip } <tag> | static | direct | amt } } | { area <area-id-ip> filter-list { in | out } } } [ vrf {
<vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

Syntax	Description
show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
policy	Display Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
rip	Routing Information Protocol (RIP)
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
static	Static
direct	Directly connected
amt	AMT anycast prefix
area	Configure area properties
area-id-ip	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
in	Filter networks sent to this area
out	Filter networks sent from this area
tag	

Command Mode

- /exec

Command Mode

- /exec

show ospfv3 retransmission-list

```
show [ ipv6 ] ospfv3 [ <tag> ] retransmission-list { <routerid> | <router-name> } <interface> [ __readonly__
[ TABLE_ctx <ptag> <cname> [ TABLE_rxmit <nbr_rid> <intf> <nbr_addr> [ <timer_running> ] [
<timer_due> ] [ TABLE_lsa [ <type> ] [ <lsid> ] [ <advtr> ] [ <seqno> ] [ <cksum> ] [ <age> ] ] ] ] ]
```

Syntax Description

Syntax Description	Description
show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
retransmission-list	Link state retransmission list
routerid	Neighbor router ID
router-name	DNS Name of the router
interface	OSPF enabled interface
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_rxmit	(Optional)
nbr_rid	(Optional)
intf	(Optional)
timer_running	(Optional)
timer_due	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

Command Mode

- /exec

show ospfv3 route

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] route [ <ipv6-prefix> [
longer-prefixes ] ] [ all_routes ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx
<ptag> <cname> [ <hdr_addr> ] [ <hdr_masklen> ] [ TABLE_route <addr> <masklen> <type> <in_rib>
<direct> [ <area> ] [ <tag> ] [ <vlink_unresolved> ] [ TABLE_route_ubest_nh [ <ubest_nh_addr> ] [
<ubest_nh_intf> ] [ <ubest_cost> ] [ <distance> ] [ <ubest_nh_direct> ] [ <ubest_nh_in_rib> ] ] [
TABLE_route_mbest_nh [ <mbest_nh_addr> ] [ <mbest_nh_intf> ] [ <mbest_cost> ] [ <mbest_nh_direct>
] [ <mbest_nh_in_rib> ] ] ] ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	(Optional) Display all OSPFv3 routes
tag	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
hdr_masklen	(Optional)
TABLE_route	(Optional)
masklen	(Optional)
type	(Optional)
in_rib	(Optional)

<i>direct</i>	(Optional)
<i>area</i>	(Optional)
<i>vlink_unresolved</i>	(Optional)
TABLE_route_ubest_nh	(Optional)
<i>ubest_nh_intf</i>	(Optional)
<i>ubest_cost</i>	(Optional)
<i>distance</i>	(Optional)
<i>ubest_nh_direct</i>	(Optional)
<i>ubest_nh_in_rib</i>	(Optional)
TABLE_route_mbest_nh	(Optional)
<i>mbest_nh_intf</i>	(Optional)
<i>mbest_cost</i>	(Optional)
<i>mbest_nh_direct</i>	(Optional)
<i>mbest_nh_in_rib</i>	(Optional)

Command Mode

- /exec

show ospfv3 route summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] route [ <ipv6-prefix> [
longer-prefixes ] ] summary [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx
<ptag> <cname> [ TABLE_route <total_routes> <total_paths> [ TABLE_route_type <path_type>
<path_routes> <path_paths> ] [ TABLE_route_masklen <masklen> <masklen_routes> <masklen_paths> ] ]
]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_route	(Optional)
total_routes	(Optional)
total_paths	(Optional)
TABLE_route_type	(Optional)
path_type	(Optional)
path_routes	(Optional)
path_paths	(Optional)

TABLE_route_masklen (Optional)

masklen (Optional)

masklen_routes (Optional)

masklen_paths (Optional)

Command Mode

- /exec

show ospfv3 statistics

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_stats <ptag> <cname> <last_clear> <rid_change> <dr_elections> <older_lsa_rcv> <nbr_state_change> <nbr_dead_postpone> <nbr_dead_expire> <nbr_bad_lsreq> <nbr_seqno_mismatch> <spf_full> <spf_summary> <spf_external> <spf_extsummary> <rtr_generate> <rtr_refresh> <rtr_flush> <rtr_other_flush> <net_generate> <net_refresh> <net_flush> <net_other_flush> <inter_prefix_generate> <inter_prefix_refresh> <inter_prefix_flush> <inter_prefix_other_flush> <inter_router_generate> <inter_router_refresh> <inter_router_flush> <inter_router_other_flush> <asext_generate> <asext_refresh> <asext_flush> <asext_other_flush> <link_generate> <link_refresh> <link_flush> <link_other_flush> <intra_prefix_generate> <intra_prefix_refresh> <intra_prefix_flush> <intra_prefix_other_flush> <unknown_generate> <unknown_refresh> <unknown_flush> <unknown_other_flush> <limbo_lsa_count> <limbo_lsa_hwm> <limbo_lsa_deleted> <limbo_lsa_revived> <limbo_runs> <limbo_lsa_last_time_hwm> [ <limbo_timer> ] <helloq_size> <helloq_max_size> <helloq_hwm> <helloq_drops> <helloq_last_hwm_time> <floodq_size> <floodq_max_size> <floodq_hwm> <floodq_drops> <floodq_last_hwm_time> <lsdb_add_fail> [ TABLE_buffer_detail [ <buf_size> ] [ <buf_size_huge> ] <buf_in_use> <buf_hwm> <buf_perm> <buf_alloc> <buf_free> ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Event counters
__readonly__	(Optional)
TABLE_stats	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
rid_change	(Optional)
dr_elections	(Optional)

<i>older_lsa_rcv</i>	(Optional)
<i>nbr_state_change</i>	(Optional)
<i>nbr_dead_postpone</i>	(Optional)
<i>nbr_dead_expire</i>	(Optional)
<i>nbr_bad_lsreq</i>	(Optional)
<i>nbr_seqno_mismatch</i>	(Optional)
<i>spf_full</i>	(Optional)
<i>spf_summary</i>	(Optional)
<i>spf_external</i>	(Optional)
<i>spf_extsummary</i>	(Optional)
<i>rtr_generate</i>	(Optional)
<i>rtr_refresh</i>	(Optional)
<i>rtr_flush</i>	(Optional)
<i>rtr_other_flush</i>	(Optional)
<i>net_generate</i>	(Optional)
<i>net_refresh</i>	(Optional)
<i>net_flush</i>	(Optional)
<i>net_other_flush</i>	(Optional)
<i>inter_prefix_generate</i>	(Optional)
<i>inter_prefix_refresh</i>	(Optional)
<i>inter_prefix_flush</i>	(Optional)
<i>inter_prefix_other_flush</i>	(Optional)
<i>inter_router_generate</i>	(Optional)
<i>inter_router_refresh</i>	(Optional)
<i>inter_router_flush</i>	(Optional)
<i>inter_router_other_flush</i>	(Optional)
<i>asext_generate</i>	(Optional)
<i>asext_refresh</i>	(Optional)
<i>asext_flush</i>	(Optional)

<i>asext_other_flush</i>	(Optional)
<i>link_generate</i>	(Optional)
<i>link_refresh</i>	(Optional)
<i>link_flush</i>	(Optional)
<i>link_other_flush</i>	(Optional)
<i>intra_prefix_generate</i>	(Optional)
<i>intra_prefix_refresh</i>	(Optional)
<i>intra_prefix_flush</i>	(Optional)
<i>intra_prefix_other_flush</i>	(Optional)
<i>unknown_generate</i>	(Optional)
<i>unknown_refresh</i>	(Optional)
<i>unknown_flush</i>	(Optional)
<i>unknown_other_flush</i>	(Optional)
<i>limbo_lsa_count</i>	(Optional)
<i>limbo_lsa_hwm</i>	(Optional)
<i>limbo_lsa_deleted</i>	(Optional)
<i>limbo_lsa_revived</i>	(Optional)
<i>limbo_runs</i>	(Optional)
<i>limbo_lsa_last_time_hwm</i>	(Optional)
<i>limbo_timer</i>	(Optional)
<i>helloq_size</i>	(Optional)
<i>helloq_max_size</i>	(Optional)
<i>helloq_hwm</i>	(Optional)
<i>helloq_drops</i>	(Optional)
<i>helloq_last_hwm_time</i>	(Optional)
<i>floodq_size</i>	(Optional)
<i>floodq_max_size</i>	(Optional)
<i>floodq_hwm</i>	(Optional)
<i>floodq_drops</i>	(Optional)

floodq_last_hwm_time (Optional)

lsdb_add_fail (Optional)

TABLE_buffer_detail (Optional)

buf_size (Optional)

buf_size_huge (Optional)

buf_in_use (Optional)

buf_hwm (Optional)

buf_perm (Optional)

buf_alloc (Optional)

buf_free (Optional)

Command Mode

- /exec

show ospfv3 summary-address

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] summary-address [ private ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_ctx <ptag> <cname> <rid> [
TABLE_sum <addr> <masklen> [ <metric> ] [ <tag> ] [ <pending> ] ] ] ]
```

Syntax Description

Syntax Description	show	Show running system information
	ipv6	(Optional) Display IPv6 information
	ospfv3	Display OSPFv3 status and configuration
	tag	(Optional) Process tag
	vrf	(Optional) Display per-VRF information
	vrf-name	(Optional) VRF name
	vrf-known-name	(Optional) Known VRF name
	all	(Optional) Display information for all VRFs
	summary-address	Summary-address redistribution information
	private	(Optional) Developer-only statistics
	tag	(Optional)
	__readonly__	(Optional)
	TABLE_ctx	(Optional)
	ptag	(Optional)
	cname	(Optional)
	rid	(Optional)
	TABLE_sum	(Optional)
	masklen	(Optional)
	metric	(Optional)
	pending	(Optional)

Command Mode

- /exec

show ospfv3 traffic

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> [ detail ]
| [ detail ] | [ detail ] vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_traf <ptag>
<cname> <last_clear> [ <ifname> ] <pkt_in> <pkt_out> <lsu_first_trans> <lsu_retrans> <lsu_for_lsreq>
<lsu_nbr_trans> <throttle_out> <throttle_out_token> <throttle_out_ip> <lsa_ignored> <lsa_dropped_spf>
<lsa_dropped_gr> <pkt_drops_in> <pkt_drops_out> <pkt_errors_in> <pkt_errors_out> <hello_errors_in>
<dbds_errors_in> <lsreqs_errors_in> <lsus_errors_in> <lsacks_errors_in> <pkt_unknown_in>
<pkt_unknown_out> <pkt_no_ospf_intf> <bad_version> <bad_crc> <dup_rtr_id> <dup_src_addr>
<invalid_src_addr> <invalid_dst_addr> <non_existing_nbr> <pkt_passive_intf> <wrong_area>
<invalid_pkt_len> <nbr_changed_routerid_ipaddr> <nbr_changed_interfaceid> [ <bad_auth> ] [
<bad_reserved> ] [ <pkt_no_vrf> ] <hellos_in> <dbds_in> <lsreqs_in> <lsus_in> <lsacks_in> <hellos_out>
<dbds_out> <lsreqs_out> <lsus_out> <lsacks_out> [ <hellos_in_hq> <dbds_in_hq> <lsreqs_in_flq>
<lsus_in_flq> <lsacks_in_flq> <lsas_in_dbds_in> <lsas_in_lsreqs_in> <lsas_in_lsus_in> <lsas_in_lsacks_in>
<lsas_in_dbds_out> <lsas_in_lsreqs_out> <lsas_in_lsus_out> <lsas_in_lsacks_out> <lsas_in_rxmt_lsus_out>
] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
interface	(Optional) OSPF enabled interface
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Packet counters
__readonly__	(Optional)
TABLE_traf	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
ifname	(Optional)

<i>pkt_in</i>	(Optional)
<i>pkt_out</i>	(Optional)
<i>lsu_first_trans</i>	(Optional)
<i>lsu_retrans</i>	(Optional)
<i>lsu_for_lsreq</i>	(Optional)
<i>lsu_nbr_trans</i>	(Optional)
<i>throttle_out</i>	(Optional)
<i>throttle_out_token</i>	(Optional)
<i>throttle_out_ip</i>	(Optional)
<i>lsa_ignored</i>	(Optional)
<i>lsa_dropped_spf</i>	(Optional)
<i>lsa_dropped_gr</i>	(Optional)
<i>pkt_drops_in</i>	(Optional)
<i>pkt_drops_out</i>	(Optional)
<i>pkt_errors_in</i>	(Optional)
<i>pkt_errors_out</i>	(Optional)
<i>hello_errors_in</i>	(Optional)
<i>dbds_errors_in</i>	(Optional)
<i>lsreqs_errors_in</i>	(Optional)
<i>lsus_errors_in</i>	(Optional)
<i>lsacks_errors_in</i>	(Optional)
<i>pkt_unknown_in</i>	(Optional)
<i>pkt_unknown_out</i>	(Optional)
<i>pkt_no_ospf_intf</i>	(Optional)
<i>bad_version</i>	(Optional)
<i>bad_crc</i>	(Optional)
<i>dup_rtr_id</i>	(Optional)
<i>dup_src_addr</i>	(Optional)
<i>invalid_src_addr</i>	(Optional)

<i>invalid_dst_addr</i>	(Optional)
<i>non_existing_nbr</i>	(Optional)
<i>pkt_passive_intf</i>	(Optional)
<i>wrong_area</i>	(Optional)
<i>invalid_pkt_len</i>	(Optional)
<i>nbr_changed_routerid_ipaddr</i>	(Optional)
<i>nbr_changed_interfaceid</i>	(Optional)
<i>bad_auth</i>	(Optional)
<i>bad_reserved</i>	(Optional)
<i>pkt_no_vrf</i>	(Optional)
<i>hellos_in</i>	(Optional)
<i>dbds_in</i>	(Optional)
<i>lsreqs_in</i>	(Optional)
<i>lsus_in</i>	(Optional)
<i>lsacks_in</i>	(Optional)
<i>hellos_out</i>	(Optional)
<i>dbds_out</i>	(Optional)
<i>lsreqs_out</i>	(Optional)
<i>lsus_out</i>	(Optional)
<i>lsacks_out</i>	(Optional)
<i>hellos_in_hq</i>	(Optional)
<i>dbds_in_hq</i>	(Optional)
<i>lsreqs_in_flq</i>	(Optional)
<i>lsus_in_flq</i>	(Optional)
<i>lsacks_in_flq</i>	(Optional)
<i>lsas_in_dbds_in</i>	(Optional)
<i>lsas_in_lsreqs_in</i>	(Optional)
<i>lsas_in_lsus_in</i>	(Optional)
<i>lsas_in_lsacks_in</i>	(Optional)

lsas_in_dbds_out (Optional)

lsas_in_lsreqs_out (Optional)

lsas_in_lsus_out (Optional)

lsas_in_lsacks_out (Optional)

lsas_in_rxmt_lsus_out (Optional)

Command Mode

- /exec

show ospfv3 virtual-links

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_vlink <name> <nbr_rid>
<if_state> <transit_area> <nh_intf> <nbr_addr> [ <transit_area_stub> ] [ <transit_area_nssa> ] <addr> [
<masklen> ] <inst_id> <area> [ <if_cfg> ] <state_str> <type_str> <cost> <index> [ <passive> ] [ <mpls> ]
[ <transmit_delay> ] [ <if_priority> ] [ <dr_rid> ] [ <dr_addr> ] [ <bdr_rid> ] [ <bdr_addr> ] [ <nbr_total> ]
[ <nbr_flood> ] [ <nbr_adjs> ] [ <gr_nbr> ] [ <hello_interval> ] [ <dead_interval> ] [ <wait_interval> ] [
<rxmt_interval> ] [ <hello_timer> ] [ <wait_timer> ] [ <pacing_timer> ] [ <lsu_timer> ] [ <lsack_timer> ] [
<netlsa_throt_timer> ] [ <link_lsa_cnt> ] [ <link_lsa_crc> ] [ <state> ] [ <transition> ] [ <lastchange> ] [
<priority> ] [ <ifid> ] [ <dr> ] [ <bdr> ] [ <master> ] [ <seqno> ] [ <dbdallsentacked> ] [ <dbdallsent> ] [
<dbdallacked> ] [ <lsaonreqlist> ] [ <lsafromlastreq> ] [ <lsreqrxmts> ] [ <helloptions> ] [ <dbdoptions> ] [
<lastnonhello> ] [ <deadtimer> ] [ <pacingtimer> ] [ <dbdrxmtimer> ] [ <reqrxmtimer> ] [ <lsutimer> ] [
<rerxmtimer> ] [ <fastrerxmtimer> ] [ <lsacktimer> ] [ <grtimer> ] [ <helpermode> ] [ <helpercand> ] [
<helperterm> ] [ <senddbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt> ] [ <sendlsack> ] [
<sendlsreqreply> ] [ <ipsec_sa_type> ] [ <ipsec_sa_algorithm> ] [ <ipsec_sa_spi> ] ] ]
```

Syntax Description

Syntax Description	
show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_vlink	(Optional)
name	(Optional)
nbr_rid	(Optional)
if_state	(Optional)

<i>transit_area</i>	(Optional)
<i>nh_intf</i>	(Optional)
<i>transit_area_stub</i>	(Optional)
<i>transit_area_nssa</i>	(Optional)
<i>masklen</i>	(Optional)
<i>inst_id</i>	(Optional)
<i>area</i>	(Optional)
<i>if_cfg</i>	(Optional)
<i>state_str</i>	(Optional)
<i>type_str</i>	(Optional)
<i>cost</i>	(Optional)
<i>index</i>	(Optional)
<i>passive</i>	(Optional)
<i>mpls</i>	(Optional)
<i>transmit_delay</i>	(Optional)
<i>if_priority</i>	(Optional)
<i>dr_rid</i>	(Optional)
<i>bdr_rid</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>nbr_flood</i>	(Optional)
<i>nbr_adj</i>	(Optional)
<i>gr_nbr</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>dead_interval</i>	(Optional)
<i>wait_interval</i>	(Optional)
<i>rxmt_interval</i>	(Optional)
<i>hello_timer</i>	(Optional)
<i>wait_timer</i>	(Optional)
<i>pacing_timer</i>	(Optional)

<i>lsu_timer</i>	(Optional)
<i>lsack_timer</i>	(Optional)
<i>netlsa_throt_timer</i>	(Optional)
<i>link_lsa_cnt</i>	(Optional)
<i>link_lsa_crc</i>	(Optional)
<i>state</i>	(Optional)
<i>transition</i>	(Optional)
<i>lastchange</i>	(Optional)
<i>priority</i>	(Optional)
<i>ifid</i>	(Optional)
<i>dr</i>	(Optional)
<i>bdr</i>	(Optional)
<i>master</i>	(Optional)
<i>seqno</i>	(Optional)
<i>dbdallsentacked</i>	(Optional)
<i>dbdallsent</i>	(Optional)
<i>dbdallacked</i>	(Optional)
<i>lsaonreqlist</i>	(Optional)
<i>lsafromlastreq</i>	(Optional)
<i>lsreqrxmts</i>	(Optional)
<i>helloptions</i>	(Optional)
<i>dbdoptions</i>	(Optional)
<i>lastnonhello</i>	(Optional)
<i>deadtimer</i>	(Optional)
<i>pacingtmer</i>	(Optional)
<i>dbdrxmtimer</i>	(Optional)
<i>reqrxmtimer</i>	(Optional)
<i>lsutimer</i>	(Optional)
<i>rerxmtimer</i>	(Optional)

<i>fastrerxmtimer</i>	(Optional)
<i>lsacktimer</i>	(Optional)
<i>grtimer</i>	(Optional)
<i>helpermode</i>	(Optional)
<i>helpercand</i>	(Optional)
<i>helperterm</i>	(Optional)
<i>senddbd</i>	(Optional)
<i>sendsreq</i>	(Optional)
<i>sendsu</i>	(Optional)
<i>sendsurxmt</i>	(Optional)
<i>sendsack</i>	(Optional)
<i>sendsreqreply</i>	(Optional)
<i>ipsec_sa_type</i>	(Optional) IPsec SA Type
<i>ipsec_sa_algorithm</i>	(Optional) IPsec SA Algorithm name
<i>ipsec_sa_spi</i>	(Optional) IPsec SA SPI Value

Command Mode

- /exec

show ospfv3 virtual-links brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links brief [ vrf {
<vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> <vlink_count> [
TABLE_vlink <nbr_rid> <vlink_num> <transit_area> <cost> <if_state> ] ]
```

Syntax Description

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
brief	Display summary of OSPFv3 virtual links
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
vlink_count	(Optional)
TABLE_vlink	(Optional)
nbr_rid	(Optional)
vlink_num	(Optional)
transit_area	(Optional)
cost	(Optional)
if_state	(Optional)

Command Mode

- /exec

show otv

```
show otv [ <overlay-if> [ vpn <vpn-name> ] ]
```

Syntax Description

Syntax Description

show	Display OTV information
otv	Configure OTV information
<i>overlay-if</i>	(Optional) Overlay interface
vpn	(Optional) Overlay VPN name
<i>vpn-name</i>	(Optional) OTV VPN Name

Command Mode

- /exec

show otv adjacency

```
show otv adjacency [ detail ] [ <overlay-if> | vpn <vpn-name> ]
```

Syntax Description

Syntax Description		
show	Display OTV information	
otv	Configure OTV information	
<i>overlay-if</i>	(Optional) Overlay interface	
vpn	(Optional) Overlay VPN name	
<i>vpn-name</i>	(Optional) OTV VPN Name	
adjacency	Show adjacencies on overlay	
detail	(Optional) Adjacency details	

Command Mode

- /exec

show otv arp-nd-cache

```
show otv arp-nd-cache [ <overlay-if> | vpn <vpn-name> | vlan-id <vlan_id> ] [ __readonly__ {
TABLE_arp-nd-cache <if-name> <vlan-id> <mac-addr> <l3-addr> <uptime> <expiry> } ]
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
<i>overlay-if</i>		(Optional) Overlay interface
vpn		(Optional) Overlay VPN name
<i>vpn-name</i>		(Optional) OTV VPN Name
vlan-id		(Optional) Vlan id filter
<i>vlan_id</i>		(Optional) Vlan id
arp-nd-cache		Display (L3, L2) addresses cached from ARP and ND packet inspection
<i>__readonly__</i>		(Optional)
TABLE_arp-nd-cache		(Optional)
<i>if-name</i>		(Optional)
<i>vlan-id</i>		(Optional)
<i>mac-addr</i>		(Optional)
<i>l3-addr</i>		(Optional)
<i>uptime</i>		(Optional)
<i>expiry</i>		(Optional)

Command Mode

- /exec

show otv data-group

```
show otv data-group [ local | remote ] [ [ <overlay-if> ] [ vlan <vlan-id> ] [ source <source> ] [ group <group> ] [ delivery-source <dsource> ] [ delivery-group <dgroup> ] [ join-interface <jif> ] ] +
```

Syntax Description

Syntax Description	show	Show running system information
	otv	Display OTV information
	data-group	Data groups
	local	(Optional) Local sources/groups
	remote	(Optional) Remote sources/groups
	<i>overlay-if</i>	(Optional) Overlay interface
	vlan	(Optional) Vlan
	<i>vlan-id</i>	(Optional) Vlan ID
	source	(Optional) active-source source
	<i>source</i>	(Optional) active-source source address
	group	(Optional) active-source group
	<i>group</i>	(Optional) active-source group address
	delivery-source	(Optional) delivery source
	<i>dsource</i>	(Optional) delivery source address
	delivery-group	(Optional) delivery group
	<i>dgroup</i>	(Optional) delivery group address
	join-interface	(Optional) join interface
	<i>jif</i>	(Optional) interface

Command Mode

- /exec

show otv internal

```
show otv internal [ { overlay | adjacency | cache-site-adj | vlan [ <vlan-range> ] | site } [ detail ] ]
```

Syntax Description

Syntax	Description
show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
overlay	(Optional) Show overlay information
adjacency	(Optional) Show adjacencies on overlay
cache-site-adj	(Optional) Show site-adj-cache database
vlan	(Optional) Show internal vlan database
<i>vlan-range</i>	(Optional) VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19
site	(Optional) Show Site database
detail	(Optional) Show detailed output

Command Mode

- /exec

show otv internal

show otv internal [partition]

Syntax Description

Syntax Description

show Display OTV information

otv Configure OTV information

internal Display OTV internal information

partition (Optional) show remote partition site-id
db

Command Mode

- /exec

show otv internal

```
show otv internal [ remote-db ]
```

Syntax Description

Syntax Description		
show	Display OTV information	
otv	Configure OTV information	
internal	Display OTV internal information	
remote-db	(Optional) show remote partition vlan db	

Command Mode

- /exec

show otv internal

```
show otv internal [ device-db ]
```

Syntax Description

Syntax Description

show	Display OTV information
------	-------------------------

otv	Configure OTV information
-----	---------------------------

internal	Display OTV internal information
----------	----------------------------------

device-db	(Optional) show device db
-----------	---------------------------

Command Mode

- /exec

show otv internal adjacency-server replication-list

show otv internal adjacency-server replication-list [<overlay-if> | vpn <vpn-name>]

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
internal		Display OTV internal information
<i>overlay-if</i>		(Optional) Overlay interface
vpn		(Optional) Overlay VPN name
<i>vpn-name</i>		(Optional) OTV VPN Name
adjacency-server		Adjacency Server
replication-list		Display Runtime internal Replication List

Command Mode

- /exec

show otv internal aed-server

show otv internal aed-server [detail | <overlay-if> | vpn <vpn-name>]

Syntax Description

Syntax Description	Description
show	Display OTV information
otv	Configure OTV information
internal	internal
aed-server	Show aed server state
detail	(Optional) Show detailed aed_server state
<i>overlay-if</i>	(Optional) Overlay interface
vpn	(Optional) Overlay VPN name
<i>vpn-name</i>	(Optional) OTV VPN Name

Command Mode

- /exec

show otv internal blackholing state

```
show otv internal blackholing state [ <overlay-if> | vpn <vpn-name> ]
```

Syntax Description

Syntax Description		
show		Display OTV information
otv		Configure OTV information
internal		Display OTV internal information
blackholing		Display OTV blackholing state
state		Display OTV blackholing state
<i>overlay-if</i>	(Optional)	Overlay interface
vpn	(Optional)	Overlay VPN name
<i>vpn-name</i>	(Optional)	OTV VPN Name

Command Mode

- /exec

show otv internal cleanup

show otv internal cleanup [<overlay-if>]

Syntax Description

Syntax Description		
show	Display	OTV information
otv	Configure	OTV information
internal	Display	OTV internal information
cleanup	Show	overlay cleanup information
<i>overlay-if</i>	(Optional)	Overlay interface

Command Mode

- /exec

show otv internal event-history

```
show otv internal event-history { errors | packet | msgs | cli | learn | debug | event | arp-nd | statistics | fc |
delivery | stp | route }
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
internal	Display OTV internal information
event-history	Show various event logs of OTV
errors	Error logs of OTV
msgs	Message logs of OTV
cli	CLI logs of OTV
learn	Learn logs of OTV
debug	Internal debug logs of OTV
fc	FC logs of OTV
event	Event logs of OTV
arp-nd	ARP-ND logs of OTV
packet	OTV packet logs
statistics	Statistics for OTV event history
delivery	Delivery groups logs of OTV
stp	STP logs of OTV
route	Route update logs of OTV

Command Mode

- /exec

show otv internal mem-stats

show otv internal mem-stats [detail]

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
internal	Display OTV internal information
mem-stats	Dynamic memory stats
detail	(Optional) Detailed information

Command Mode

- /exec

show otv internal overlay history

```
show otv internal overlay history [ aed_svr | ed_summ | cleanup ] [ sent | recv | all | clr | active | backup ] [
<overlay-if> ]
```

Syntax Description

Syntax Description	Description
show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
overlay	overlay
history	history
aed_svr	(Optional) aed_svr
ed_summ	(Optional) edge device summary
cleanup	(Optional) cleanup
sent	(Optional) sent
recv	(Optional) recv
all	(Optional) all
clr	(Optional) clr
active	(Optional) active
backup	(Optional) backup
<i>overlay-if</i>	(Optional) Overlay interface

Command Mode

- /exec

show otv internal peer-id allocation

show otv internal peer-id allocation

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
internal	Display OTV internal information	
peer-id	Display peer-id allocation requests	
allocation		

Command Mode

- /exec

show otv internal pim-cache

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

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
internal		Display OTV internal information
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 otv internal replication-list sdb

show otv internal replication-list { sdb | pss }

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
internal	Display OTV internal information	
replication-list	Display Runtime internal Replication List	
sdb	Display Shared Replication List used by PM	
pss	Display internal replication list database	

Command Mode

- /exec

show otv internal shared-database

show otv internal shared-database [overlay | peer-global-info | peer-ovly-info | adj | vlan | gen | site | tunnel | delivery-group-db | local-delivery-groups | local-active-sources | local-exit-interface | buffers | hostname | site-index | partition | partition-vlan | vlan-device | device-db | vlan-status | aed-server-req | ed-summary | vlan-mapping | aed-map]

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
internal	Display OTV internal information	
shared-database	Shared-database contents	
overlay	(Optional) Overlay interface database	
adj	(Optional) Adjacency interface database	
vlan	(Optional) Vlan interface database	
gen	(Optional) Geninfo database	
site	(Optional) Site Adjacency database	
tunnel	(Optional) TM GRE Tunnels	
delivery-group-db	(Optional) Delivery group database	
local-delivery-groups	(Optional) Local delivery groups	
local-active-sources	(Optional) Local active sources	
local-exit-interface	(Optional) Local delivery group to exit i/f mapping	
peer-global-info	(Optional) Global peer-id alloc state	
peer-ovly-info	(Optional) Overlay wise peer VPC info	
buffers	(Optional) Batched SDB Update/Del buffer state	
hostname	(Optional) Sysid to Hostname mapping	
site-index	(Optional) Site-index for remote sites	
partition	(Optional) Partition db for remote sites	
partition-vlan	(Optional) VLAN db of partition	
vlan-device	(Optional) Device db for each VLAN	
device-db	(Optional) Device and site database	

vlan-status	(Optional) vlan status
aed-server-req	(Optional) AED Server request
ed-summary	(Optional) Edge device summary DB
vlan-mapping	(Optional) Vlan translation mapping info
aed-map	(Optional) AED Map

Command Mode

- /exec

show otv internal snmp cotvAdjacencyDatabaseTable cotvOverlayNumber cotvAdjacentDevAddrType cotvAdjacentDevAddr

```
show otv internal snmp cotvAdjacencyDatabaseTable cotvOverlayNumber <overlay_number_in>
cotvAdjacentDevAddrType <address_type_in> cotvAdjacentDevAddr <address_in> [ __readonly__
TABLE-cotvAdjacencyDatabaseTable <overlay_number_out> <address_type_out> <address_out>
<cotvAdjacentDevSystemID> <cotvAdjacentDevName> <cotvAdjacentDevState> <cotvAdjacentDevUpTime>
]
```

Syntax Description

Syntax Description		
show		Display OTV information
otv		Configure OTV information
internal		Display OTV internal information
snmp		otv adjacency for snmp
cotvAdjacencyDatabaseTable		
cotvOverlayNumber		
	<i>overlay_number_in</i>	
cotvAdjacentDevAddrType		
	<i>address_type_in</i>	
cotvAdjacentDevAddr		
	<i>address_in</i>	
	<i>__readonly__</i>	(Optional) Read Only
	TABLE-cotvAdjacencyDatabaseTable	(Optional) otv adjacency xml table
	<i>overlay_number_out</i>	(Optional)
	<i>address_type_out</i>	(Optional)
	<i>address_out</i>	(Optional)
	<i>cotvAdjacentDevSystemID</i>	(Optional)
	<i>cotvAdjacentDevName</i>	(Optional)
	<i>cotvAdjacentDevState</i>	(Optional)
	<i>cotvAdjacentDevUpTime</i>	(Optional)

```
show otv internal snmp cotvAdjacencyDatabaseTable cotvOverlayNumber cotvAdjacentDevAddrType cotvAdjacentDevAddr
```

Command Mode

- /exec

show otv internal snmp cotvArpNdCacheTable cotvOverlayNumber cotvVlanId cotvArpNdCacheL3AddrType cotvArpNdCacheL3Addr

```
show otv internal snmp cotvArpNdCacheTable cotvOverlayNumber <overlay_num> cotvVlanId <vlan_id>
cotvArpNdCacheL3AddrType <l3_addr_type> cotvArpNdCacheL3Addr <l3_addr> [ __readonly__ {
TABLE-cotvArpNdCacheTable <overlay_num_out> <vlan_id_out> <l3_addr_type_out> <l3_addr_out>
<mac_addr> <arp_nd_age> <arp_nd_expire_time> } ]
```

Syntax Description

Syntax Description

show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
snmp	
cotvArpNdCacheTable	
cotvOverlayNumber	
<i>overlay_num</i>	
cotvVlanId	
<i>vlan_id</i>	
cotvArpNdCacheL3AddrType	
<i>l3_addr_type</i>	
cotvArpNdCacheL3Addr	
<i>l3_addr</i>	
<i>__readonly__</i>	(Optional)
TABLE-cotvArpNdCacheTable	(Optional)
<i>overlay_num_out</i>	(Optional)
<i>vlan_id_out</i>	(Optional)
<i>l3_addr_type_out</i>	(Optional)
<i>l3_addr_out</i>	(Optional)
<i>mac_addr</i>	(Optional)
<i>arp_nd_age</i>	(Optional)

show otv internal snmp cotvArpNdCacheTable cotvOverlayNumber cotvVlanId cotvArpNdCacheL3AddrType cotvArpNdCacheL3Addr

arp_nd_expire_time (Optional)

Command Mode

- /exec

show otv internal snmp cotvDataGroupConfigTable overlay mcasttype mcastaddr prefixlen

```
show otv internal snmp cotvDataGroupConfigTable overlay <cotvOverlayNumber-in> mcasttype
<cotvDataGroupMcastRangeAddrType-in> mcastaddr <cotvDataGroupMcastRangeAddr-in> prefixlen
<cotvDataGroupMcastRangePrefixLength-in> [ __readonly__ TABLE-cotvDataGroupConfigTable
<cotvOverlayNumber-out> <cotvDataGroupMcastRangeAddrType-out>
<cotvDataGroupMcastRangeAddr-out> <cotvDataGroupMcastRangePrefixLength-out>
<cotvDataGroupStorageType> <cotvDataGroupRowStatus> ]
```

Syntax Description

Syntax Description

show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
snmp	
cotvDataGroupConfigTable	
overlay	OverlayNumber
<i>cotvOverlayNumber-in</i>	
mcasttype	
<i>cotvDataGroupMcastRangeAddrType-in</i>	
mcastaddr	
<i>cotvDataGroupMcastRangeAddr-in</i>	
prefixlen	
<i>cotvDataGroupMcastRangePrefixLength-in</i>	
__readonly__	(Optional)
TABLE-cotvDataGroupConfigTable	(Optional)
<i>cotvOverlayNumber-out</i>	(Optional) mib table index cotvOverlayNumber
<i>cotvDataGroupMcastRangeAddrType-out</i>	(Optional) mib table index
<i>cotvDataGroupMcastRangeAddr-out</i>	(Optional) mib table index
<i>cotvDataGroupMcastRangePrefixLength-out</i>	(Optional) mib table index
<i>cotvDataGroupStorageType</i>	(Optional) mib object cotvDataGroupStorageType
<i>cotvDataGroupRowStatus</i>	(Optional) mib object cotvDataGroupRowStatus

Command Mode

- /exec

show otv internal snmp cotvDataGroupInfoTable overlay location

```
show otv internal snmp cotvDataGroupInfoTable overlay <cotvOverlayNumber-in> location
<cotvDataGroupActiveSrcLocation-in>
```

Syntax Description

Syntax Description

show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
snmp	
cotvDataGroupInfoTable	
overlay	OverlayNumber
<i>cotvOverlayNumber-in</i>	
location	Location
<i>cotvDataGroupActiveSrcLocation-in</i>	

Command Mode

- /exec

show otv internal snmp cotvOverlayTable cotvOverlayNumber

```
show otv internal snmp cotvOverlayTable cotvOverlayNumber <overlay_num> [ __readonly__ {
TABLE-cotvOverlayTable <overlay_num_out> <vpn_name> <vpn_state> <vpn_down_reason>
<extend_vlan_first> <extend_vlan_second> <ctrl_grp_addr_type> <ctrl_grp_addr> <broadcast_grp_addr_type>
<broadcast_grp_addr> <join_intf> <src_intf> <aed_capable> <aed_incapable_reason> <transport_type>
<adj_server_enable> <primary_adj_server_addr_type> <primary_adj_server_addr>
<secondary_adj_server_addr_type> <secondary_adj_server_addr> <suppress_arp_nd> <storage_type>
<row_status> } ]
```

Syntax Description

Syntax Description

show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
snmp	
cotvOverlayTable	
cotvOverlayNumber	
<i>overlay_num</i>	
<i>__readonly__</i>	(Optional)
TABLE-cotvOverlayTable	(Optional)
<i>overlay_num_out</i>	(Optional)
<i>vpn_name</i>	(Optional)
<i>vpn_state</i>	(Optional)
<i>vpn_down_reason</i>	(Optional)
<i>extend_vlan_first</i>	(Optional)
<i>extend_vlan_second</i>	(Optional)
<i>ctrl_grp_addr_type</i>	(Optional)
<i>ctrl_grp_addr</i>	(Optional)
<i>broadcast_grp_addr_type</i>	(Optional)
<i>broadcast_grp_addr</i>	(Optional)
<i>join_intf</i>	(Optional)
<i>src_intf</i>	(Optional)

<i>aed_capable</i>	(Optional)
<i>aed_incapable_reason</i>	(Optional)
<i>transport_type</i>	(Optional)
<i>adj_server_enable</i>	(Optional)
<i>primary_adj_server_addr_type</i>	(Optional)
<i>primary_adj_server_addr</i>	(Optional)
<i>secondary_adj_server_addr_type</i>	(Optional)
<i>secondary_adj_server_addr</i>	(Optional)
<i>suppress_arp_nd</i>	(Optional)
<i>storage_type</i>	(Optional)
<i>row_status</i>	(Optional)

Command Mode

- /exec

show otv internal snmp cotvVlansTable overlay vlan

```
show otv internal snmp cotvVlansTable overlay <cotvOverlayNumber-in> vlan <cotvVlanId-in> [ __readonly__
TABLE-cotvVlansTable <cotvOverlayNumber-out> <cotvVlanId-out> <cotvVlanState>
<cotvVlanInactiveReason> <cotvVlanAedAddrType> <cotvVlanAedAddr> <cotvVlanEdgeDevIsAed> ]
```

Syntax Description

Syntax	Description
show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
snmp	
cotvVlansTable	
overlay	OverlayNumber
<i>cotvOverlayNumber-in</i>	
vlan	VlanId
<i>cotvVlanId-in</i>	
__readonly__	(Optional)
TABLE-cotvVlansTable	(Optional)
<i>cotvOverlayNumber-out</i>	(Optional) mib table index cotvOverlayNumber
<i>cotvVlanId-out</i>	(Optional) mib table index cotvVlanId
<i>cotvVlanState</i>	(Optional) mib object cotvVlanState
<i>cotvVlanInactiveReason</i>	(Optional) mib object cotvVlanInactiveReason
<i>cotvVlanAedAddrType</i>	(Optional) mib object cotvVlanAedAddrType
<i>cotvVlanAedAddr</i>	(Optional) mib object cotvVlanAedAddr
<i>cotvVlanEdgeDevIsAed</i>	(Optional) mib object cotvVlanEdgeDevIsAed

Command Mode

- /exec

show otv internal snmp global cotvSiteIdAdmin

```
show otv internal snmp global cotvSiteIdAdmin [ __readonly__ <admin_site_id> ]
```

Syntax Description

Syntax Description		
show		Display OTV information
otv		Configure OTV information
internal		Display OTV internal information
snmp		
global		
cotvSiteIdAdmin		
__readonly__	(Optional)	
<i>admin_site_id</i>	(Optional)	

Command Mode

- /exec

show otv internal snmp global cotvSiteIdOper

show otv internal snmp global cotvSiteIdOper [__readonly__ <oper_site_id>]

Syntax Description

Syntax Description		
show	Display OTV information	
otv	Configure OTV information	
internal	Display OTV internal information	
snmp		
global		
cotvSiteIdOper		
__readonly__	(Optional)	
oper_site_id	(Optional)	

Command Mode

- /exec

show otv internal snmp global cotvSiteVlan

```
show otv internal snmp global cotvSiteVlan [ __readonly__ <site_vlan> ]
```

Syntax Description

Syntax Description		
	show	Display OTV information
	otv	Configure OTV information
	internal	Display OTV internal information
	snmp	
	global	
	cotvSiteVlan	
	__readonly__	(Optional)
	site_vlan	(Optional)

Command Mode

- /exec

show otv internal snmp global cotvSiteVlanState

show otv internal snmp global cotvSiteVlanState [*__readonly__* <site_vlan_state>]

Syntax Description

Syntax Description		
show		Display OTV information
otv		Configure OTV information
internal		Display OTV internal information
snmp		
global		
cotvSiteVlanState		
<i>__readonly__</i>	(Optional)	
<i>site_vlan_state</i>	(Optional)	

Command Mode

- /exec

show otv internal state

show otv internal state

Syntax Description

Syntax	Description
show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
state	Display OTV server state

Command Mode

- /exec

show otv internal static-routes unicast

```
show otv internal static-routes { unicast | multicast }
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
internal	Display OTV internal information	
static-routes	Show OTV Static Routes	
unicast	Show Static Unicast Routes	
multicast	Show Static Multicast Routes	

Command Mode

- /exec

show otv internal tunnel

show otv internal tunnel

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
internal	Display OTV internal information
tunnel	Display OTV tunnel information

Command Mode

- /exec

show otv internal ufdm peers

```
show otv internal ufdm peers [ avl | array ]
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
internal	Display OTV internal information
ufdm	Display UFDm peers
peers	Display OTV peer information
avl	(Optional) Display peer AVL structure
array	(Optional) Display peer array structure

Command Mode

- /exec

show otv internal vlan history

```
show otv internal vlan history { vlan-state | aed-svr-req | local | hw } [ sent | rcv | clr ] [ <vlan-id> ] [ detail ] [ all ]
```

Syntax Description

Syntax	Description
show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
vlan	vlan
history	history
vlan-state	vlan-state
aed-svr-req	aed-svr-req
local	local
hw	hw
sent	(Optional) sent
rcv	(Optional) rcv
all	(Optional) all
clr	(Optional) clr
detail	(Optional) Show detailed output
<i>vlan-id</i>	(Optional) Vlan id

Command Mode

- /exec

show otv internal vlan state

```
show otv internal vlan state [ <device-id> ] [ <version> ] [ add | del | ready | helper | aed | bkp ] [ <overlay-if> ] [ all ]
```

Syntax Description

Syntax	Description
show	Display OTV information
otv	Configure OTV information
internal	Display OTV internal information
vlan	vlan
state	State
<i>device-id</i>	(Optional) Device ID in MAC address format
<i>version</i>	(Optional) Version
add	(Optional) Add
del	(Optional) Delete
ready	(Optional) Forward Ready
helper	(Optional) Packing Helper
aed	(Optional) AED
bkp	(Optional) backup AED
<i>overlay-if</i>	(Optional) Overlay interface
all	(Optional) All local and remote info

Command Mode

- /exec

show otv isis

```
show otv isis [ <otv-isis-tag> ] [ vpn { <vrf-name> | all } ] [ process | protocol ] [ vpn { <vrf-name> | all } ]
[ __readonly__ <tag-out> TABLE_vrf <vrf-name-out> <system-id-out> <is-type-out> <sap-out> <mtu-out>
<qh-out> <gr-t3-timer-out> <gr-status-out> <gr-state-out> <last-gr-status-out> <bfd-state-out>
<metric-send-out> <metric-accept-out> <area-addr-out> <proc-state-out> <vrf-id-out> <te-lvl-out> <te-ted-out>
<mpls-te-out> <intf-name-out> <auth-out> <auth-chk-out> <auth-kchain-out> [ { TABLE_redist <max_redist>
<warning> <threshold> <current_count> } ] TABLE_afi_safi <afi-safi-out> <intf-num-out> <adj-check-out>
<redist-pib-out> <redist-rpm-out> <dist-src-lvl-out> <dist-dest-lvl-out> <dist-leak-all-out> <dist-rpm-out>
<admin-dist-out> ]
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) Display information for all VRFs
process	(Optional) Display IS-IS process information
protocol	(Optional) Display IS-IS process information
__readonly__	(Optional)
<i>tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi_safi	(Optional)
<i>afi-safi-out</i>	(Optional)
<i>system-id-out</i>	(Optional)
<i>is-type-out</i>	(Optional)
<i>sap-out</i>	(Optional)
<i>mtu-out</i>	(Optional)
<i>qh-out</i>	(Optional)
<i>gr-t3-timer-out</i>	(Optional)

gr-status-out (Optional)

gr-state-out (Optional)

last-gr-status-out (Optional)

bfd-state-out (Optional)

metric-send-out (Optional)

metric-accept-out (Optional)

area-addr-out (Optional)

proc-state-out (Optional)

vrf-id-out (Optional)

te-lvl-out (Optional)

te-ted-out (Optional)

mpls-te-out (Optional)

intf-name-out (Optional)

auth-out (Optional)

auth-chk-out (Optional)

auth-kchain-out (Optional)

TABLE_redist (Optional)

max_redist (Optional)

warning (Optional)

threshold (Optional)

current_count (Optional)

intf-num-out (Optional)

adj-check-out (Optional)

redist-pib-out (Optional)

redist-rpm-out (Optional)

dist-src-lvl-out (Optional)

dist-dest-lvl-out (Optional)

dist-leak-all-out (Optional)

dist-rpm-out (Optional)

admin-dist-out (Optional)

Command Mode

- /exec

show otv isis active-source

```
show otv isis [ <otv-isis-tag> ] active-source [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
active-source	Display IS-IS Active-source information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis adjacency

```
show otv isis [ <otv-isis-tag> ] adjacency [ <interface> ] { [ system-id <sid> ] | [ detail ] | [ summary ] } [ vpn
{ <vrf-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out>
<adj-summary-out> <adj-interface-out> [ <adj-interface-name-out> ] [ { TABLE_process_adj
<adj-sys-name-out> <adj-sys-id-out> [ <adj-usage-out> ] [ <adj-level-out> ] <adj-state-out>
<adj-hold-time-out> <adj-intf-name-out> <adj-site-out> <adj-detail-set-out> [ { <adj-transitions-out>
<adj-flap-out> [ <adj-flap-time-out> ] <adj-ckt-type-out> <adj-ipv4-addr-out> <adj-ipv6-addr-out>
<adj-bcast-out> [ { <adj-ckt-id-out> <adj-lan-prio-out> } ] <adj-resurrect-out> [ { <adj-resurrect-count-out>
<adj-resurrect-hwm-out> } ] } ] } ] [ { TABLE_lan_adj_sum <adj-summ-lan-level-out>
<adj-summ-lan-state-out> <adj-summ-lan-count-out> } ] } ] }
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
adjacency	Display IS-IS adjacency information
<i>interface</i>	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
summary	(Optional) Display IS-IS adjacency summary information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>adj-summary-out</i>	(Optional)
<i>adj-interface-out</i>	(Optional)

<i>adj-interface-name-out</i>	(Optional)
TABLE_process_adj	(Optional)
<i>adj-sys-name-out</i>	(Optional)
<i>adj-sys-id-out</i>	(Optional)
<i>adj-usage-out</i>	(Optional)
<i>adj-level-out</i>	(Optional)
<i>adj-state-out</i>	(Optional)
<i>adj-hold-time-out</i>	(Optional)
<i>adj-intf-name-out</i>	(Optional)
<i>adj-site-out</i>	(Optional)
<i>adj-detail-set-out</i>	(Optional)
<i>adj-transitions-out</i>	(Optional)
<i>adj-flap-out</i>	(Optional)
<i>adj-flap-time-out</i>	(Optional)
<i>adj-ckt-type-out</i>	(Optional)
<i>adj-ipv4-addr-out</i>	(Optional)
<i>adj-ipv6-addr-out</i>	(Optional)
<i>adj-bcast-out</i>	(Optional)
<i>adj-ckt-id-out</i>	(Optional)
<i>adj-lan-prio-out</i>	(Optional)
<i>adj-resurrect-out</i>	(Optional)
<i>adj-resurrect-count-out</i>	(Optional)
<i>adj-resurrect-hwm-out</i>	(Optional)
TABLE_lan_adj_sum	(Optional)
<i>adj-summ-lan-level-out</i>	(Optional)
<i>adj-summ-lan-state-out</i>	(Optional)
<i>adj-summ-lan-count-out</i>	(Optional)

Command Mode

- /exec

show otv isis aed-svr-req local

```
show otv isis [ <otv-isis-tag> ] aed-svr-req { local | remote }
```

Syntax Description

Syntax Description		
show	Show	running system information
otv	Display	OTV information
isis	Display	IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
aed-svr-req	Display	aed svr req Info
local	local	
remote	remote	

Command Mode

- /exec

show otv isis csnp

show otv isis [<otv-isis-tag>] csnp [detail]

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
csnp		Display IS-IS CSNP cache contents
detail	(Optional)	Display detailed IS-IS information

Command Mode

- /exec

show otv isis database

```
show otv isis [ <otv-isis-tag> ] [ site ] database [ mgroup ] [ detail | advertise | summary ] [ <lid> ] { [
zero-sequence ] [ adjacency <adj-id> ] } [ vpn { <vrf-name> | all } ] [ __readonly__ { TABLE_process_tag
<process-tag-out> { TABLE_vrf <vrf-name-out> [ <dbase-hname-absent-out> ] [ { TABLE_process_lvl
<dbase-level-out> [ { TABLE_process_lsp <dbase-lsp-name-out> <dbase-lsp-status-out>
<dbase-lsp-absent-out> [ { <dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> [ <dbase-lsp-lifetime-str-out> ]
[ <dbase-lsp-lifetime-out> ] <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out>
} ] [ { <dbase-lsp-instance-out> [ { TABLE_process_tlv <dbase-lsp-tlv-name-out> [ <dbase-lsp-area-addr-out>
] [ <dbase-lsp-is-nbr-name-out> ] [ <dbase-lsp-is-nbr-metric-out> ] [ <dbase-lsp-is-nbr-ext-metric-out> ] [
<dbase-lsp-es-nbr-name-out> ] [ <dbase-lsp-es-nbr-metric-out> ] [ <dbase-lsp-es-nbr-ext-metric-out> ] [
<dbase-lsp-auth-type-out> ] [ <dbase-lsp-auth-len-out> ] [ <dbase-lsp-ext-is-name-out> ] [
<dbase-lsp-ext-is-metric-out> ] [ <dbase-lsp-ip-ri-addr-out> ] [ <dbase-lsp-ip-ri-mask-out> ] [
<dbase-lsp-ip-ri-metric-out> ] [ <dbase-lsp-ip-ri-ext-metric-out> ] [ <dbase-lsp-ip-ri-up-down-out> ] [ {
TABLE_process_nlpid <dbase-lsp-prot-support-out> } ] [ <dbase-lsp-ip-addr-out> ] [ <dbase-lsp-ipv6-addr-out>
] [ { TABLE_process_extip <dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out>
<dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out> } ] [ <dbase-lsp-hname-out> ] [
<dbase-lsp-hname-len-out> ] [ { TABLE_process_extipv6 <dbase-lsp-extipv6-addr-out>
<dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out> <dbase-lsp-extipv6-up-down-out>
<dbase-lsp-extipv6-ext-origin-out> } ] [ <dbase-lsp-tlv-len-out> ] [ <dbase-lsp-tlv-unknown-out> ] [ {
TABLE_process_subtlv <dbase-lsp-subtlv-name-out> [ <dbase-lsp-extis-admin-group-out> ] [
<dbase-lsp-subtlv-ip-addr-out> ] [ <dbase-lsp-extis-bw-out> ] [ <dbase-lsp-extis-pri1-out> ] [
<dbase-lsp-extis-pri1-val-out> ] [ <dbase-lsp-extis-pri2-out> ] [ <dbase-lsp-extis-pri2-val-out> ] [
<dbase-lsp-extis-te-metric-out> ] [ <dbase-lsp-subtlv-len-out> ] [ <dbase-lsp-subtlv-unknown-out> } ] } ]
<dbase-lsp-digest-out> } } ] [ { <dbase-lsp-total-out> [ { <dbase-lsp-empty-out> <dbase-lsp-zeroseq-out>
} ] } ] } ] }
```

Syntax Description

Syntax Description	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site	(Optional) Display IS-IS OTV site information
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
database	Display IS-IS database information
mgroup	(Optional) Display IS-IS GM database information
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
detail	(Optional) Display detailed IS-IS information

advertise	(Optional) Display advertise tlv lsp-memory information
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
adjacency	(Optional) Adjacency filter
<i>adj-id</i>	(Optional) Single exact match adjacency filter
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>dbase-hname-absent-out</i>	(Optional)
TABLE_process_lvl	(Optional)
<i>dbase-level-out</i>	(Optional)
TABLE_process_lsp	(Optional)
<i>dbase-lsp-name-out</i>	(Optional)
<i>dbase-lsp-status-out</i>	(Optional)
<i>dbase-lsp-absent-out</i>	(Optional)
<i>dbase-lsp-seqnum-out</i>	(Optional)
<i>dbase-lsp-cksum-out</i>	(Optional)
<i>dbase-lsp-lifetime-str-out</i>	(Optional)
<i>dbase-lsp-lifetime-out</i>	(Optional)
<i>dbase-att-out</i>	(Optional)
<i>dbase-partition-out</i>	(Optional)
<i>dbase-overload-out</i>	(Optional)
<i>dbase-istype-out</i>	(Optional)
<i>dbase-lsp-instance-out</i>	(Optional)
TABLE_process_tlv	(Optional)
<i>dbase-lsp-tlv-name-out</i>	(Optional)
<i>dbase-lsp-area-addr-out</i>	(Optional)

<i>dbase-lsp-is-nbr-name-out</i>	(Optional)
<i>dbase-lsp-is-nbr-metric-out</i>	(Optional)
<i>dbase-lsp-is-nbr-ext-metric-out</i>	(Optional)
<i>dbase-lsp-es-nbr-name-out</i>	(Optional)
<i>dbase-lsp-es-nbr-metric-out</i>	(Optional)
<i>dbase-lsp-es-nbr-ext-metric-out</i>	(Optional)
<i>dbase-lsp-auth-type-out</i>	(Optional)
<i>dbase-lsp-auth-len-out</i>	(Optional)
<i>dbase-lsp-ext-is-name-out</i>	(Optional)
<i>dbase-lsp-ext-is-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-addr-out</i>	(Optional)
<i>dbase-lsp-ip-ri-mask-out</i>	(Optional)
<i>dbase-lsp-ip-ri-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-ext-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-up-down-out</i>	(Optional)
TABLE_process_nlpid	(Optional)
<i>dbase-lsp-prot-support-out</i>	(Optional)
<i>dbase-lsp-ip-addr-out</i>	(Optional)
<i>dbase-lsp-ipv6-addr-out</i>	(Optional)
TABLE_process_extip	(Optional)
<i>dbase-lsp-extip-addr-out</i>	(Optional)
<i>dbase-lsp-extip-prefix-len-out</i>	(Optional)
<i>dbase-lsp-extip-metric-out</i>	(Optional)
<i>dbase-lsp-extip-up-down-out</i>	(Optional)
<i>dbase-lsp-hname-out</i>	(Optional)
<i>dbase-lsp-hname-len-out</i>	(Optional)
TABLE_process_extipv6	(Optional)
<i>dbase-lsp-extipv6-addr-out</i>	(Optional)
<i>dbase-lsp-extipv6-prefix-len-out</i>	(Optional)

<i>dbase-lsp-extipv6-metric-out</i>	(Optional)
<i>dbase-lsp-extipv6-up-down-out</i>	(Optional)
<i>dbase-lsp-extipv6-ext-origin-out</i>	(Optional)
<i>dbase-lsp-tlv-len-out</i>	(Optional)
<i>dbase-lsp-tlv-unknown-out</i>	(Optional)
TABLE_process_subtlv	(Optional)
<i>dbase-lsp-subtlv-name-out</i>	(Optional)
<i>dbase-lsp-extis-admin-group-out</i>	(Optional)
<i>dbase-lsp-subtlv-ip-addr-out</i>	(Optional)
<i>dbase-lsp-extis-bw-out</i>	(Optional)
<i>dbase-lsp-extis-pri1-out</i>	(Optional)
<i>dbase-lsp-extis-pri1-val-out</i>	(Optional)
<i>dbase-lsp-extis-pri2-out</i>	(Optional)
<i>dbase-lsp-extis-pri2-val-out</i>	(Optional)
<i>dbase-lsp-extis-te-metric-out</i>	(Optional)
<i>dbase-lsp-subtlv-len-out</i>	(Optional)
<i>dbase-lsp-subtlv-unknown-out</i>	(Optional)
<i>dbase-lsp-digest-out</i>	(Optional)
<i>dbase-lsp-total-out</i>	(Optional)
<i>dbase-lsp-empty-out</i>	(Optional)
<i>dbase-lsp-zeroseq-out</i>	(Optional)

Command Mode

- /exec

show otv isis ed-summary local

show otv isis [<otv-isis-tag>] ed-summary local

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
ed-summary		Display ED Summary Info
local		local

Command Mode

- /exec

show otv isis ed-summary remote

```
show otv isis [ <otv-isis-tag> ] ed-summary remote [ site-identifier { <site-id-mac> | <site-id-hex> } ]
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
ed-summary	Display ED Summary Info
remote	remote
site-identifier	(Optional) site-identifier
<i>site-id-mac</i>	(Optional) Site ID in MAC address format
<i>site-id-hex</i>	(Optional) Site ID in hex

Command Mode

- /exec

show otv isis event-history

```
show otv isis [ <isis-tag> ] [ internal ] event-history { errors | msgs | <isis-event-hist-buf-name> | statistics }
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>isis-tag</i>		(Optional) Routing process tag
internal		(Optional) Commands for internal use
event-history		Display IS-IS event history
errors		Error history
msgs		Message history
<i>isis-event-hist-buf-name</i>		Event history buffer
statistics		Show the state and size of the buffer

Command Mode

- /exec

show otv isis fast-flood

```
show otv isis [ <otv-isis-tag> ] fast-flood
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
fast-flood	Fast flood the LSP's

Command Mode

- /exec

show otv isis gm-spf-adjacency

```
show otv isis [ <otv-isis-tag> ] gm-spf-adjacency [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>		(Optional) Routing process tag
vpn		(Optional) Display VPN information
<i>vrf-name</i>		(Optional) VPN name
all		(Optional) All configured VPNs
gm-spf-adjacency		Display IS-IS GM-SPF adjacency information

Command Mode

- /exec

show otv isis hostname

```
show otv isis [ <otv-isis-tag> ] hostname [ detail ] [ vpn { <vrf-name> | all } ] [ __readonly__ <tag-out>
TABLE_vrf <vrf-name-out> <hname-enabled-out> <hname-detail-out> <hname-level-out> <hname-id-out>
<hname-id-mine-out> <hname-name-out> ]
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>		(Optional) Routing process tag
vpn		(Optional) Display VPN information
<i>vrf-name</i>		(Optional) VPN name
all		(Optional) All configured VPNs
hostname		Display IS-IS hostname table information
detail		(Optional) Display detailed IS-IS information
<i>__readonly__</i>		(Optional)
<i>tag-out</i>		(Optional)
TABLE_vrf		(Optional)
<i>vrf-name-out</i>		(Optional)
<i>hname-enabled-out</i>		(Optional)
<i>hname-detail-out</i>		(Optional)
<i>hname-level-out</i>		(Optional)
<i>hname-id-out</i>		(Optional)
<i>hname-id-mine-out</i>		(Optional)
<i>hname-name-out</i>		(Optional)

Command Mode

- /exec

show otv isis interface

```
show otv isis [ <otv-isis-tag> ] interface [ brief | <interface> ] [ vpn { <vrf-name> | all } ] [ __readonly__ {
TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [ { TABLE_interface [ {
<intfb-name-out> <intfb-type-out> <intfb-ix-out> <intfb-state-out> <intfb-ready-state-out> <intfb-cid-out>
<intfb-ckt-type-out> <intfb-mtu-out> [ { <intf-p2p-metric-lvl-1-out> <intf-p2p-prio-lvl-1-out>
<intf-p2p-adj-count-lvl-1-out> <intf-p2p-adj-up-count-lvl-1-out> } ] [ { <intf-loopback-metric-lvl-1-out>
<intf-loopback-prio-lvl-1-out> <intf-loopback-adj-count-lvl-1-out> <intf-loopback-adj-up-count-lvl-1-out>
} ] [ { <intf-bcast-metric-lvl-1-out> <intf-bcast-prio-lvl-1-out> <intf-bcast-adj-count-lvl-1-out>
<intf-bcast-adj-up-count-lvl-1-out> } ] } ] [ { <intf-name-out> <intf-status-out> } ] [ { <intf-state-out>
<intf-internal-state-out> [ <intf-cib-disabled-out> ] [ <intf-cid-invalid-out> } ] [ { <intf-ix-out> <intf-cid-out>
<intf-ckt-type-out> } ] [ <intf-passive-mask-out> ] [ <intf-passive-mask-lvl-out> ] [ <intf-mgrp-set-out> ] [
<intf-mgrp-state-out> ] [ <intf-mgrp-id-out> ] [ { TABLE_auth [ { <intf-auth-info-out> [ <intf-auth-kchain-out>
] <intf-auth-chk-info-out> } ] } ] [ <intf-p2p-type-out> ] [ { <intf-p2p-ext-local-cid-out> <intf-p2p-cid-out>
<intf-retx-intv-out> <intf-retx-throttle-out> } ] [ <intf-loopback-type-out> ] [ { <intf-lsp-intv-out>
<intf-mtu-out> [ <intf-hpad-state-out> } ] } ] [ { <intf-p2p-pad-ts-out> ] <intf-p2p-adj-count-out>
<intf-p2p-adj-up-count-out> <intf-p2p-prio-out> <intf-p2p-hello-intv-out> <intf-p2p-hello-multi-out>
<intf-p2p-hello-next-out> [ { TABLE_p2p <intf-p2p-lvl-out> <intf-p2p-adj-lvl-out> <intf-p2p-adj-up-lvl-out>
<intf-p2p-metric-lvl-out> <intf-p2p-csnp-lvl-out> <intf-p2p-csnp-nxt-lvl-out> <intf-p2p-lspid-last-lvl-out>
} ] } ] [ { <intf-bcast-type-out> [ { TABLE_bcast_pad [ { <intf-bcast-lvl-out> <intf-bcast-pad-ts-out> } ] } ]
} ] [ { TABLE_bcast_dis [ { <intf-bcast-lvl-dis-out> <intf-bcast-dis-ts-out> } ] } ] [ { TABLE_bcast_pkt
<intf-bcast-lvl-info-out> <intf-bcast-lvl-metric-out> <intf-bcast-lvl-csnp-intv-out>
<intf-bcast-lvl-csnp-next-out> <intf-bcast-lvl-iih-intv-out> <intf-bcast-lvl-iih-multi-out>
<intf-bcast-lvl-iih-next-out> } ] [ { TABLE_bcast_adj <intf-bcast-lvl-value-out> <intf-bcast-lvl-adj-out>
<intf-bcast-lvl-adj-up-out> <intf-bcast-lvl-prio-out> <intf-bcast-lvl-ctid-out> <intf-bcast-lvl-ctid-ts-out>
} ] } ] [ { TABLE_loopback <intf-loopback-lvl-out> <intf-loopback-lvl-metric-out> } ] [ <intf-unknown-out>
} ] } ] }
```

Syntax Description

Syntax Description	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
brief	(Optional) Brief display of IS-IS interfaces
interface	Display IS-IS interface information
<i>interface</i>	(Optional) IS-IS interface
<u>__readonly__</u>	(Optional)

TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_interface	(Optional)
<i>intf-status-out</i>	(Optional)
<i>intf-name-out</i>	(Optional)
<i>intf-ix-out</i>	(Optional)
<i>intf-state-out</i>	(Optional)
<i>intf-cid-out</i>	(Optional)
<i>intf-ckt-type-out</i>	(Optional)
<i>intfb-name-out</i>	(Optional)
<i>intfb-type-out</i>	(Optional)
<i>intfb-ix-out</i>	(Optional)
<i>intfb-state-out</i>	(Optional)
<i>intfb-ready-state-out</i>	(Optional)
<i>intfb-cid-out</i>	(Optional)
<i>intfb-ckt-type-out</i>	(Optional)
<i>intf-p2p-metric-lvl-1-out</i>	(Optional)
<i>intf-p2p-prio-lvl-1-out</i>	(Optional)
<i>intf-p2p-adj-count-lvl-1-out</i>	(Optional)
<i>intf-p2p-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-loopback-metric-lvl-1-out</i>	(Optional)
<i>intf-loopback-prio-lvl-1-out</i>	(Optional)
<i>intf-loopback-adj-count-lvl-1-out</i>	(Optional)
<i>intf-loopback-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-bcast-metric-lvl-1-out</i>	(Optional)
<i>intf-bcast-prio-lvl-1-out</i>	(Optional)
<i>intf-bcast-adj-count-lvl-1-out</i>	(Optional)

<i>intf-bcast-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-internal-state-out</i>	(Optional)
<i>intf-cib-disabled-out</i>	(Optional)
<i>intf-cid-invalid-out</i>	(Optional)
<i>intf-passive-mask-out</i>	(Optional)
<i>intf-passive-mask-lvl-out</i>	(Optional)
<i>intf-mgrp-set-out</i>	(Optional)
<i>intf-mgrp-state-out</i>	(Optional)
<i>intf-mgrp-id-out</i>	(Optional)
TABLE_auth	(Optional)
<i>intf-auth-info-out</i>	(Optional)
<i>intf-auth-kchain-out</i>	(Optional)
<i>intf-auth-chk-info-out</i>	(Optional)
<i>intf-p2p-type-out</i>	(Optional)
<i>intf-p2p-ext-local-cid-out</i>	(Optional)
<i>intf-p2p-cid-out</i>	(Optional)
<i>intf-retx-intv-out</i>	(Optional)
<i>intf-retx-throttle-out</i>	(Optional)
<i>intf-loopback-type-out</i>	(Optional)
<i>intf-lsp-intv-out</i>	(Optional)
<i>intf-mtu-out</i>	(Optional)
<i>intfb-mtu-out</i>	(Optional)
<i>intf-hpad-state-out</i>	(Optional)
<i>intf-p2p-pad-ts-out</i>	(Optional)
<i>intf-p2p-adj-count-out</i>	(Optional)
<i>intf-p2p-adj-up-count-out</i>	(Optional)
<i>intf-p2p-prio-out</i>	(Optional)
<i>intf-p2p-hello-intv-out</i>	(Optional)
<i>intf-p2p-hello-multi-out</i>	(Optional)

<i>intf-p2p-hello-next-out</i>	(Optional)
TABLE_p2p	(Optional)
<i>intf-p2p-lvl-out</i>	(Optional)
<i>intf-p2p-adj-lvl-out</i>	(Optional)
<i>intf-p2p-adj-up-lvl-out</i>	(Optional)
<i>intf-p2p-metric-lvl-out</i>	(Optional)
<i>intf-p2p-csnp-lvl-out</i>	(Optional)
<i>intf-p2p-csnp-nxt-lvl-out</i>	(Optional)
<i>intf-p2p-lspid-last-lvl-out</i>	(Optional)
<i>intf-bcast-type-out</i>	(Optional)
TABLE_bcast_pad	(Optional)
<i>intf-bcast-lvl-out</i>	(Optional)
<i>intf-bcast-pad-ts-out</i>	(Optional)
TABLE_bcast_dis	(Optional)
<i>intf-bcast-lvl-dis-out</i>	(Optional)
<i>intf-bcast-dis-ts-out</i>	(Optional)
TABLE_bcast_pkt	(Optional)
<i>intf-bcast-lvl-info-out</i>	(Optional)
<i>intf-bcast-lvl-metric-out</i>	(Optional)
<i>intf-bcast-lvl-csnp-intv-out</i>	(Optional)
<i>intf-bcast-lvl-csnp-next-out</i>	(Optional)
<i>intf-bcast-lvl-iih-intv-out</i>	(Optional)
<i>intf-bcast-lvl-iih-multi-out</i>	(Optional)
<i>intf-bcast-lvl-iih-next-out</i>	(Optional)
TABLE_bcast_adj	(Optional)
<i>intf-bcast-lvl-value-out</i>	(Optional)
<i>intf-bcast-lvl-adj-out</i>	(Optional)
<i>intf-bcast-lvl-adj-up-out</i>	(Optional)
<i>intf-bcast-lvl-prio-out</i>	(Optional)

<i>intf-bcast-lvl-ctid-out</i>	(Optional)
<i>intf-bcast-lvl-ctid-ts-out</i>	(Optional)
TABLE_loopback	(Optional)
<i>intf-loopback-lvl-out</i>	(Optional)
<i>intf-loopback-lvl-metric-out</i>	(Optional)
<i>intf-unknown-out</i>	(Optional)

Command Mode

- /exec

show otv isis internal library-info

show otv isis [<otv-isis-tag>] internal library-info

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
internal		Commands for internal use
library-info		Show various event logs of library

Command Mode

- /exec

show otv isis internal mem-stats

```
show otv isis [ <otv-isis-tag> ] internal mem-stats [ no-libs ] [ detail ]
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
internal	Commands for internal use	
mem-stats	Show memory allocation statistics	
no-libs	(Optional) Exclude libraries	
detail	(Optional) Display detailed information	

Command Mode

- /exec

show otv isis internal otv cache

show otv isis [<otv-isis-tag>] internal otv cache

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
internal	Commands for internal use
otv	Display OTV information
cache	Display otv lib cache

Command Mode

- /exec

show otv isis internal packet queue counters

show otv isis [<otv-isis-tag>] internal packet queue counters

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
internal	Commands for internal use	
packet	Show packet counters	
queue	Show packet queue counters	
counters	Show packet queue statistics	

Command Mode

- /exec

show otv isis internal perf timer

show otv isis [<otv-isis-tag>] internal perf timer

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
internal	Commands for internal use	
perf	Performance	
timer	Timer performance	

Command Mode

- /exec

show otv isis internal pss

show otv isis [<otv-isis-tag>] internal pss { vrf | site-group | vlan-info | pib |

Syntax Description

Syntax Description	
	adjacency
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
internal	Commands for internal use
pss	Display IS-IS persistent-pool storage data
vrf	VRF information
site-group	Site group data
vlan-info	VLAN Info data
pib	PIB data

Command Mode

- /exec

show otv isis internal vlan

```
show otv isis [ <otv-isis-tag> ] internal vlan
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
internal	Commands for internal use
vlan	Currently active vlans

Command Mode

- /exec

show otv isis internal vpn tx-members

```
show otv isis [ <otv-isis-tag> ] internal vpn { <vrf-name> | all } tx-members
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
internal		Commands for internal use
vpn		Display VPN information
<i>vrf-name</i>		VRF name
all		Display information for all VRFs
tx-members		LSP Tx-list members per interface level

Command Mode

- /exec

show otv isis internal vpn txlist nodes

```
show otv isis [ <otv-isis-tag> ] internal vpn { <vrf-name> | all } txlist { nodes | members }
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
internal	Commands for internal use	
vpn	Display VPN information	
<i>vrf-name</i>	VRF name	
all	Display information for all VRFs	
txlist	LSP Tx-list linkage per level	
nodes	Node linkage per level	
members	Active member linkage per level	

Command Mode

- /exec

show otv isis ip mroute

```
show otv isis [ <otv-isis-tag> ] ip mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	Display IS-IS IPv4 information
mroute	Display IS-IS multicast group information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis ip redistribute mroute

```
show otv isis [ <otv-isis-tag> ] ip redistribute mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr>
] ] ] [ summary ] [ vpn { <vrf-name> | all } ] [ __readonly__ <tag-out> TABLE_process_tag <process-tag-out>
<redist-ipv4-mrouter-vlanid-out> <redist-ipv4-vlanid-out> <redist-ipv4-source-addr-out>
<redist-ipv4-group-addr-out> ]
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	Display IS-IS IPv4 information
redistribute	Display IS-IS redistribute information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
mroute	Display IS-IS multicast group information
summary	(Optional) Display route counts
<i>__readonly__</i>	(Optional)
<i>tag-out</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>redist-ipv4-mrouter-vlanid-out</i>	(Optional)
<i>redist-ipv4-vlanid-out</i>	(Optional)

redist-ipv4-source-addr-out (Optional)

redist-ipv4-group-addr-out (Optional)

Command Mode

- /exec

show otv isis lsp free-list

```
show otv isis [ <otv-isis-tag> ] { non-pseudonode | pseudonode { <interface> | orphan } } lsp free-list [
summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
vpn	(Optional) Display VPN information	
<i>vrf-name</i>	(Optional) VPN name	
all	(Optional) All configured VPNs	
non-pseudonode	Display IS-IS non-pseudo-node information	
pseudonode	Display IS-IS pseudo-node information	
<i>interface</i>	IS-IS interface	
orphan	Display orphan LSP information	
lsp	Display IS-IS LSP information	
free-list	Display free-list information	
summary	(Optional) Display LSP count per free-list	

Command Mode

- /exec

show otv isis non tlv overflow-list

```
show otv isis [ <otv-isis-tag> ] { non-pseudonode | pseudonode <interface> } tlv overflow-list [ vpn {
<vrf-name> | all } ]
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
vpn	(Optional) Display VPN information	
<i>vrf-name</i>	(Optional) VPN name	
all	(Optional) All configured VPNs	
non-pseudonode	Display IS-IS non-pseudo-node information	
pseudonode	Display IS-IS pseudo-node information	
<i>interface</i>	IS-IS interface	
tlv	Display IS-IS TLV information	
overflow-list	Display ISIS TLV overflow-list information	

Command Mode

- /exec

show otv isis redistribute route

```
show otv isis [ <otv-isis-tag> ] [ mac ] redistribute route [ summary ] [ direct-mask ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
vpn	(Optional) Display VPN information	
<i>vrf-name</i>	(Optional) VPN name	
all	(Optional) All configured VPNs	
redistribute	Display IS-IS redistribute information	
route	Display ISIS redistribute route	
mac	(Optional) Display IS-IS MAC information	
summary	(Optional) Display route counts	
direct-mask	(Optional) Display routes with direct-mask set	

Command Mode

- /exec

show otv isis route-map statistics

```
show otv isis [ <otv-isis-tag> ] route-map statistics [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description		
show	Show	running system information
otv	Display	OTV information
isis	Display	IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
vpn	(Optional)	Display VPN information
<i>vrf-name</i>	(Optional)	VPN name
all	(Optional)	All configured VPNs
route-map	Display	IS-IS route-map information
statistics	Display	IS-IS route-map statistics

Command Mode

- /exec

show otv isis route show otv isis route is

```
show otv isis [ <otv-isis-tag> ] route [ summary | detail ] [ vpn { <vrf-name> | all } ] | show otv isis [
<otv-isis-tag> ] route is [ vpn { <vrf-name> | all } ] [ __readonly__ <tag-out> TABLE_vrf <vrf-name-out>
<afi-safi-out> <route-absent-out> <route-lvl-absent-out> <route-prefix-out> <route-mask-len-out>
<route-level-out> <route-summ-discard-addr-out> <route-summ-discard-mask-len-out>
<route-discard-addr-out> <route-discard-mask-len-out> <route-addr-print-out> <route-mask-len-print-out>
<route-direct-print-out> <route-direct-out> <route-direct-via-out> <route-direct-if-name-out>
<route-direct-metric-out> <route-direct-level-out> <route-direct-instance-out> <route-marker-out>
<route-addr-valid-out> <route-iframe-out> <route-metric-out> <route-pref-out> <route-no-def-prefix-out>
<route-instance-out> <route-discard-mask-out> <route-sum-prefix-out> <route-sum-prefix-len-out>
<route-total-out> <route-paths-total-out> <route-paths-best-out> <route-paths-backup-out> <route-sum-lvl-out>
<route-sum-total-out> <route-sum-direct-out> <route-sum-normal-out> <route-sum-missing-out>
<route-best-pend-num-out> <route-bestpaths-out> <route-backuppaths-out> <route-path-sum-lvl-out>
<route-path-sum-total-out> <route-path-sum-direct-out> <route-path-sum-normal-out>
<route-bestroutes-per-mask-out> <route-best-mask-val-out> <route-best-mask-count-out>
<route-pend-q-count-out> ]
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
is	Display IS route
route	Display IS-IS route information
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
<i>otv-isis-tag</i>	(Optional)
<i>__readonly__</i>	(Optional)
<i>tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>afi-safi-out</i>	(Optional)

<i>route-absent-out</i>	(Optional)
<i>route-lvl-absent-out</i>	(Optional)
<i>route-prefix-out</i>	(Optional)
<i>route-mask-len-out</i>	(Optional)
<i>route-level-out</i>	(Optional)
<i>route-summ-discard-addr-out</i>	(Optional)
<i>route-summ-discard-mask-len-out</i>	(Optional)
<i>route-discard-addr-out</i>	(Optional)
<i>route-discard-mask-len-out</i>	(Optional)
<i>route-addr-print-out</i>	(Optional)
<i>route-mask-len-print-out</i>	(Optional)
<i>route-direct-print-out</i>	(Optional)
<i>route-direct-out</i>	(Optional)
<i>route-direct-via-out</i>	(Optional)
<i>route-direct-if-name-out</i>	(Optional)
<i>route-direct-metric-out</i>	(Optional)
<i>route-direct-level-out</i>	(Optional)
<i>route-direct-instance-out</i>	(Optional)
<i>route-marker-out</i>	(Optional)
<i>route-addr-valid-out</i>	(Optional)
<i>route-ifname-out</i>	(Optional)
<i>route-metric-out</i>	(Optional)
<i>route-pref-out</i>	(Optional)
<i>route-instance-out</i>	(Optional)
<i>route-no-def-prefix-out</i>	(Optional)
<i>route-discard-mask-out</i>	(Optional)
<i>route-sum-prefix-out</i>	(Optional)
<i>route-sum-prefix-len-out</i>	(Optional)
<i>route-total-out</i>	(Optional)

<i>route-paths-total-out</i>	(Optional)
<i>route-paths-best-out</i>	(Optional)
<i>route-paths-backup-out</i>	(Optional)
<i>route-sum-lvl-out</i>	(Optional)
<i>route-sum-total-out</i>	(Optional)
<i>route-sum-direct-out</i>	(Optional)
<i>route-sum-normal-out</i>	(Optional)
<i>route-sum-missing-out</i>	(Optional)
<i>route-best-pend-num-out</i>	(Optional)
<i>route-bestpaths-out</i>	(Optional)
<i>route-backuppaths-out</i>	(Optional)
<i>route-path-sum-lvl-out</i>	(Optional)
<i>route-path-sum-total-out</i>	(Optional)
<i>route-path-sum-direct-out</i>	(Optional)
<i>route-path-sum-normal-out</i>	(Optional)
<i>route-bestroutes-per-mask-out</i>	(Optional)
<i>route-best-mask-val-out</i>	(Optional)
<i>route-best-mask-count-out</i>	(Optional)
<i>route-pend-q-count-out</i>	(Optional)

Command Mode

- /exec

show otv isis rrm

```
show otv isis [ <otv-isis-tag> ] rrm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description	show	Show running system information
	otv	Display OTV information
	isis	Display IS-IS status and configuration
	<i>otv-isis-tag</i>	(Optional) Routing process tag
	vpn	(Optional) Display VPN information
	<i>vrf-name</i>	(Optional) VPN name
	all	(Optional) All configured VPNs
	rrm	Display IS-IS Retransmit-Routing-Message information
	mgroup	(Optional) Display IS-IS GM Retransmit-Routing-Message information
	<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis site-index

```
show otv isis [ <otv-isis-tag> ] site-index
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site-index	Display site index table

Command Mode

- /exec

show otv isis site

```
show otv isis [ <otv-isis-tag> ] site [ statistics ]
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
site	Display IS-IS OTV site information	
statistics	(Optional) Display IS-IS protocol statistics	

Command Mode

- /exec

show otv isis spf-adjacency

```
show otv isis [ <otv-isis-tag> ] spf-adjacency [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
vpn	(Optional) Display VPN information	
<i>vrf-name</i>	(Optional) VPN name	
all	(Optional) All configured VPNs	
spf-adjacency	Display IS-IS SPF adjacency information	

Command Mode

- /exec

show otv isis spf-log

```
show otv isis [ <otv-isis-tag> ] spf-log [ detail ] [ vpn { <vrf-name> | all } ] [ __readonly__ <tag-out>
TABLE_vrf <vrf-name-out> <spflog-calc-out> <spflog-size-out> <spflog-maxsize-out> <spflog-ago-time-out>
<spflog-lvl-out> <spflog-reason-out> <spflog-count-out> <spflog-elapsed-ts-out> <spflog-log-num-out>
<spflog-ts-detail-out> <spflog-date-detail-out> <spflog-lvl-detail-out> <spflog-instance-detail-out>
<spflog-init-ts-detail-out> <spflog-spf-ts-detail-out> <spflog-detail-ts-is-out> <spflog-detail-ts-urib-out>
<spflog-detail-ts-elapsed-out> <spflog-detail-lvl-out> <spflog-detail-spf-cnt-out> <spflog-detail-sync-cnt-out>
<spflog-detail-spf-reason-out> ]
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>		(Optional) Routing process tag
vpn		(Optional) Display VPN information
<i>vrf-name</i>		(Optional) VPN name
all		(Optional) All configured VPNs
spf-log		Display IS-IS SPF information
detail		(Optional) Display detail ISIS SPF information
__readonly__		(Optional)
<i>tag-out</i>		(Optional)
TABLE_vrf		(Optional)
<i>vrf-name-out</i>		(Optional)
<i>spflog-calc-out</i>		(Optional)
<i>spflog-size-out</i>		(Optional)
<i>spflog-maxsize-out</i>		(Optional)
<i>spflog-ago-time-out</i>		(Optional)
<i>spflog-lvl-out</i>		(Optional)
<i>spflog-reason-out</i>		(Optional)
<i>spflog-count-out</i>		(Optional)
<i>spflog-elapsed-ts-out</i>		(Optional)

spflog-log-num-out (Optional)

spflog-ts-detail-out (Optional)

spflog-date-detail-out (Optional)

spflog-lvl-detail-out (Optional)

spflog-instance-detail-out (Optional)

spflog-init-ts-detail-out (Optional)

spflog-spf-ts-detail-out (Optional)

spflog-detail-ts-is-out (Optional)

spflog-detail-ts-urib-out (Optional)

spflog-detail-ts-elapsed-out (Optional)

spflog-detail-lvl-out (Optional)

spflog-detail-spf-cnt-out (Optional)

spflog-detail-sync-cnt-out (Optional)

spflog-detail-spf-reason-out (Optional)

Command Mode

- /exec

show otv isis srm

```
show otv isis [ <otv-isis-tag> ] srm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description		
show	Show running system information	
otv	Display OTV information	
isis	Display IS-IS status and configuration	
<i>otv-isis-tag</i>	(Optional) Routing process tag	
vpn	(Optional) Display VPN information	
<i>vrf-name</i>	(Optional) VPN name	
all	(Optional) All configured VPNs	
srm	Display IS-IS Send-Routing-Message information	
mgroup	(Optional) Display IS-IS GM-Send-Routing-Message information	
<i>interface</i>	IS-IS interface	

Command Mode

- /exec

show otv isis ssn

```
show otv isis [ <otv-isis-tag> ] ssn [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ssn	Display IS-IS Send-Sequence-Number information
mgroup	(Optional) Display IS-IS GM-Send-Sequence-Number information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis statistics

```
show otv isis [ <otv-isis-tag> ] statistics [ <interface> ] [ vpn { <vrf-name> | all } ] [ __readonly__ <tag-out>
TABLE_vrf <vrf-name-out> <stat-if-out> <stat-if-name-out> <stat-spf-calc-out> <stat-lsp-sourced-out>
<stat-lsp-refresh-out> <stat-lsp-purge-out> <stat-dis-elections-out> ]
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>		(Optional) Routing process tag
vpn		(Optional) Display VPN information
<i>vrf-name</i>		(Optional) VPN name
all		(Optional) All configured VPNs
statistics		Display IS-IS protocol statistics
<i>interface</i>		(Optional) IS-IS interface
<i>__readonly__</i>		(Optional)
<i>tag-out</i>		(Optional)
TABLE_vrf		(Optional)
<i>vrf-name-out</i>		(Optional)
<i>stat-if-out</i>		(Optional)
<i>stat-if-name-out</i>		(Optional)
<i>stat-spf-calc-out</i>		(Optional)
<i>stat-lsp-sourced-out</i>		(Optional)
<i>stat-lsp-refresh-out</i>		(Optional)
<i>stat-lsp-purge-out</i>		(Optional)
<i>stat-dis-elections-out</i>		(Optional)

Command Mode

- /exec

show otv isis track-adjacency-nexthop

```
show otv isis [ <otv-isis-tag> ] track-adjacency-nexthop
```

Syntax Description

Syntax Description		
show		Show running system information
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>		(Optional) Routing process tag
track-adjacency-nexthop		Display IS-IS OTV adjacency nexthop tracking information

Command Mode

- /exec

show otv isis traffic

```
show otv isis [ <otv-isis-tag> ] traffic [ <interface> ] [ mbuf-priority ] [ vpn { <vrf-name> | all } ] [ __readonly__
{ TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <traffic-if-out> [ <traffic-if-name-out>
] <traffic-lan-iih-out> <traffic-lan-iih-rcv-out> <traffic-lan-iih-xmit-out> <traffic-lan-iih-rcv-auth-err-out>
<traffic-lan-iih-rcv-err-out> <traffic-csnp-out> <traffic-csnp-rcv-out> <traffic-csnp-xmit-out>
<traffic-csnp-rcv-auth-err-out> <traffic-csnp-rcv-err-out> <traffic-psnp-out> <traffic-psnp-rcv-out>
<traffic-psnp-xmit-out> <traffic-psnp-rcv-auth-err-out> <traffic-psnp-rcv-err-out> <traffic-lsp-out>
<traffic-lsp-rcv-out> <traffic-lsp-flood-out> <traffic-lsp-rcv-auth-err-out> <traffic-lsp-rcv-err-out>
<traffic-lsp-rexmit-out> <traffic-gmlsp-out> <traffic-gmlsp-rcv-out> <traffic-gmlsp-flood-out>
<traffic-gmlsp-rcv-auth-err-out> <traffic-gmlsp-rcv-err-out> <traffic-gmlsp-rexmit-out> [ <traffic-xmit-err-out>
] [ <traffic-unknown-pdu-rcv-out> ] } } ]
```

Syntax Description

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
traffic	Display IS-IS traffic information
<i>interface</i>	(Optional) IS-IS interface
mbuf-priority	(Optional) Display mbuf priorities for received PDUs
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>traffic-if-out</i>	(Optional)
<i>traffic-if-name-out</i>	(Optional)
<i>traffic-lan-iih-out</i>	(Optional)
<i>traffic-lan-iih-rcv-out</i>	(Optional)
<i>traffic-lan-iih-xmit-out</i>	(Optional)

<i>traffic-lan-iih-rcv-auth-err-out</i>	(Optional)
<i>traffic-lan-iih-rcv-err-out</i>	(Optional)
<i>traffic-csnp-out</i>	(Optional)
<i>traffic-csnp-rcv-out</i>	(Optional)
<i>traffic-csnp-xmit-out</i>	(Optional)
<i>traffic-csnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-csnp-rcv-err-out</i>	(Optional)
<i>traffic-psnp-out</i>	(Optional)
<i>traffic-psnp-rcv-out</i>	(Optional)
<i>traffic-psnp-xmit-out</i>	(Optional)
<i>traffic-psnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-psnp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-out</i>	(Optional)
<i>traffic-lsp-rcv-out</i>	(Optional)
<i>traffic-lsp-flood-out</i>	(Optional)
<i>traffic-lsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-lsp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-rexmit-out</i>	(Optional)
<i>traffic-gmlsp-out</i>	(Optional)
<i>traffic-gmlsp-rcv-out</i>	(Optional)
<i>traffic-gmlsp-flood-out</i>	(Optional)
<i>traffic-gmlsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-gmlsp-rcv-err-out</i>	(Optional)
<i>traffic-gmlsp-rexmit-out</i>	(Optional)
<i>traffic-xmit-err-out</i>	(Optional)
<i>traffic-unknown-pdu-rcv-out</i>	(Optional)

Command Mode

- /exec

show otv isis vlan-status local

```
show otv isis [ <otv-isis-tag> ] vlan-status { local | remote }
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vlan-status	Display vlan status Info
local	local
remote	remote

Command Mode

- /exec

show otv site

```
show otv site [ detail | <overlay-if> | vpn <vpn-name> ]
```

Syntax Description

Syntax Description	
show	Display OTV information
otv	Configure OTV information
site	Show site-local adjacencies with other edge devices in this site
detail	(Optional) Show all site-local adjacencies incl. overlays not configured on this system
<i>overlay-if</i>	(Optional) Overlay interface
vpn	(Optional) Overlay VPN name
<i>vpn-name</i>	(Optional) OTV VPN Name

Command Mode

- /exec

show otv statistics multicast

```
show otv statistics multicast <vlan-id>
```

Syntax Description

Syntax	Description
show	Show running system information
otv	Display OTV information
statistics	Display OTV Traffic Stats
multicast	Display Multicast Stats
<i>vlan-id</i>	Vlan ID

Command Mode

- /exec

show otv vlan-mapping

```
show otv vlan-mapping [ <overlay-if> ]
```

Syntax Description

Syntax Description		
show		Display OTV information
otv		Configure OTV information
vlan-mapping		VLAN mapping information
<i>overlay-if</i>	(Optional)	Overlay interface

Command Mode

- /exec

show otv vlan

```
show otv vlan [ { <vlan-range> } ] [ authoritative ] [ detail ] [ <overlay-if> | vpn <vpn-name> ]
```

Syntax Description

Syntax Description	show	Description
	show	Display OTV information
	otv	Configure OTV information
	<i>overlay-if</i>	(Optional) Overlay interface
	vpn	(Optional) Overlay VPN name
	<i>vpn-name</i>	(Optional) OTV VPN Name
	vlan	Show extended VLANs including edge device AED status
	<i>vlan-range</i>	(Optional) VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19
	detail	(Optional) Display each interface in VLAN
	authoritative	(Optional) Display each interface in VLAN

Command Mode

- /exec

