



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> | <hostip6> | <net_ipv6> | <mask_ipv6_addr> <mask_ipv6_mask> } ]
]
```

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
TABLE_ogroup	(Optional)
TABLE_seqno	(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

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
<code>__readonly__</code>	(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

TABLE_fingerprint	(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

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
TABLE_applications	(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

show	Show running system information
onep	One Platform
error	Error
__readonly__	(Optional)
TABLE_onep_errors	(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

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
<u>__readonly__</u>	(Optional)
TABLE_history	(Optional) a set of history records
<i>Record</i>	(Optional) an individual history record

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

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)
TABLE_stats_global	(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

show	Show running system information
onep	One Platform
status	status
<i>__readonly__</i>	(Optional)
operational_status	(Optional) run-time info about onep
<i>o_status</i>	(Optional) status of onep
operational_enable_reason	(Optional) enable reason if onep is enabled
<i>o_enable_reason</i>	(Optional) if onep is enabled, the enable reason
operational_version	(Optional) run-time version about onep
<i>o_version</i>	(Optional) version of onep
TABLE_transports	(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
TABLE_trustpoints	(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
TABLE_trustpoint_hashes	(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

session_max_limit	(Optional) maximum number of sessions allowed
<i>s_max_limit</i>	(Optional) maximum limit
session_key	(Optional) session key-required
<i>enabled</i>	(Optional) session key-required
cpu_interval	(Optional) observation interval in seconds
<i>c_interval</i>	(Optional) observation interval
cpu_fall_threshold	(Optional) falling threshold in percentage
<i>c_fall_threshold</i>	(Optional) falling threshold
cpu_rise_threshold	(Optional) rising threshold in percentage
<i>c_rise_threshold</i>	(Optional) rising threshold
history_buffer_on	(Optional) history buffer on
<i>h_buffer_on</i>	(Optional) history buffer on
history_buffer_purge	(Optional) history buffer purge
<i>h_buffer_purge</i>	(Optional) purge oldest or newest
history_buffer_size	(Optional) history buffer size
<i>h_buffer_size</i>	(Optional) history buffer size
history_syslog	(Optional) history syslog
<i>h_syslog</i>	(Optional) history syslog
TABLE_service_sets	(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

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

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

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

show	Show running system information
ipv6	(Optional) Display IPv6 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
border-routers	Border routers
all_routes	(Optional) Display all OSPFv3 routes
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_br	(Optional)
<i>type</i>	(Optional)
<i>addr</i>	(Optional)
<i>cost</i>	(Optional)
<i>asbr</i>	(Optional)
<i>abr</i>	(Optional)
<i>area</i>	(Optional)
<i>spf_inst</i>	(Optional)
<i>vlink_unresolved</i>	(Optional)

TABLE_br_ubest_nh	(Optional)
<i>ubest_nh_intf</i>	(Optional)
TABLE_br_mbest_nh	(Optional)
<i>mbest_nh_intf</i>	(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

show	Show running system information
ipv6	(Optional) Display IPv6 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
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>advid</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)
<i>intra_ref_type</i>	(Optional)

<i>intra_ref_lsid</i>	(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

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)
<i>lsa_name</i>	(Optional)
<i>lsa_count</i>	(Optional)
<i>non_self_lsa_total</i>	(Optional)
<i>lsa_total</i>	(Optional)

Command Mode

- /exec

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)

<i>data</i>	(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

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 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 databse 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

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

show	Show running system information
ipv6	(Optional) Display IPv6 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
ha	High Availability status
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>stateful</i>	(Optional)
<i>pss_restored</i>	(Optional)
<i>pss_state</i>	(Optional)
<i>gr_enabled</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)

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

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)

<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 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

show	Show running system information
ipv6	(Optional) Display IPv6 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
interface	OSPF enabled interface
brief	Display summary of OSPFv3 interfaces
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>intf_count</i>	(Optional)
TABLE_intf	(Optional)
<i>ifname</i>	(Optional)
<i>index</i>	(Optional)
<i>area</i>	(Optional)
<i>cost</i>	(Optional)
<i>state_str</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>admin_status</i>	(Optional)

Command Mode

- /exec

show ospfv3 lsa-content-changed-list

```
show [ ipv6 ] ospfv3 [ <tag> ] lsa-content-changed-list { <ip-addr> | <neighbor-name> } <interface> [
__readonly__ [ TABLE_ctx <ptag> <cname> [ TABLE_lschg <nbr_rid> <intf> <nbr_addr> [ TABLE_lsa [
<type> ] [ <lsid> ] [ <advrtr> ] [ <seqno> ] [ <cksum> ] [ <age> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
lsa-content-changed-list	LSAs that changed contents
interface	OSPF enabled interface
ip-addr	Neighbor router ID
neighbor-name	DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_lschg	(Optional)
nbr_rid	(Optional)
intf	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

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

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)

<i>bf_32_failed</i>	(Optional)
<i>bf_32_free</i>	(Optional)
<i>bf_32_byte_consumed</i>	(Optional)
<i>slab_current</i>	(Optional)
<i>slab_created</i>	(Optional)
<i>slab_failed</i>	(Optional)
<i>slab_free</i>	(Optional)
<i>slab_byte_consumed</i>	(Optional)
<i>if_index_alloc_failed</i>	(Optional)
<i>nbr_index_alloc_failed</i>	(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

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)

<i>ifid</i>	(Optional)
<i>intf</i>	(Optional)
<i>multiarea</i>	(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> ] <hellooptions> <dbdoptions> <lastnonhello> [ <deadtimer> ] [ <pacingtimer> ] [ <dbdrxmtimer> ] [ <reqrxmtimer> ] [ <lsutimer> ] [ <rerxmtimer> ] [ <fastrexmtimer> ] [ <lsacktimer> ] [ <grtimer> ] [ <helpermode> ] [ <helpercand> ] [ <helperterm> ] [ <senddbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt> ] [ <sendlsack> ] [ <sendlsreqreply> ] ] ]
```

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)
intf	(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>pacingt看mer</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>gtimer</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)

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

show	Show running system information
ipv6	(Optional) Display IPv6 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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
summary	Summary of neighbors
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_intf	(Optional)
<i>ifname</i>	(Optional)
<i>total</i>	(Optional)
<i>down</i>	(Optional)
<i>attempt</i>	(Optional)
<i>init</i>	(Optional)
<i>twoway</i>	(Optional)
<i>exstart</i>	(Optional)

<i>exchange</i>	(Optional)
<i>loading</i>	(Optional)
<i>full</i>	(Optional)
<i>if_total</i>	(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

show	Show running system information
ipv6	(Optional) Display IPv6 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
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)
<i>as</i>	Autonomous system number
static	Static
direct	Directly connected
amt	AMT anycast prefix
area	Configure area properties
<i>area-id-ip</i>	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
<i>tag</i>	

Command Mode

- /exec

- /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> ] [ <advrtr> ] [ <seqno> ] [ <cksum> ] [ <age> ] ] ] ] ]
```

Syntax 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)
advrtr	(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

show	Show running system information
ipv6	(Optional) Display IPv6 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
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	(Optional) Display all OSPFv3 routes
<i>tag</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>hdr_masklen</i>	(Optional)
TABLE_route	(Optional)
<i>masklen</i>	(Optional)
<i>type</i>	(Optional)
<i>in_rib</i>	(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

show	Show running system information
ipv6	(Optional) Display IPv6 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
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_route	(Optional)
<i>total_routes</i>	(Optional)
<i>total_paths</i>	(Optional)
TABLE_route_type	(Optional)
<i>path_type</i>	(Optional)
<i>path_routes</i>	(Optional)
<i>path_paths</i>	(Optional)
TABLE_route_masklen	(Optional)

<i>masklen</i>	(Optional)
<i>masklen_routes</i>	(Optional)
<i>masklen_paths</i>	(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

show	Show running system information
ipv6	(Optional) Display IPv6 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
statistics	Event counters
<i>__readonly__</i>	(Optional)
TABLE_stats	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>last_clear</i>	(Optional)
<i>rid_change</i>	(Optional)
<i>dr_elections</i>	(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)
<i>floodq_last_hwm_time</i>	(Optional)

<i>lsdb_add_fail</i>	(Optional)
TABLE_buffer_detail	(Optional)
<i>buf_size</i>	(Optional)
<i>buf_size_huge</i>	(Optional)
<i>buf_in_use</i>	(Optional)
<i>buf_hwm</i>	(Optional)
<i>buf_perm</i>	(Optional)
<i>buf_alloc</i>	(Optional)
<i>buf_free</i>	(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

show	Show running system information
ipv6	(Optional) Display IPv6 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
summary-address	Summary-address redistribution information
private	(Optional) Developer-only statistics
<i>tag</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>rid</i>	(Optional)
TABLE_sum	(Optional)
<i>masklen</i>	(Optional)
<i>metric</i>	(Optional)
<i>pending</i>	(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

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)
pkt_in	(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)
<i>lsas_in_dbds_out</i>	(Optional)

<i>lsas_in_lsreqs_out</i>	(Optional)
<i>lsas_in_lsus_out</i>	(Optional)
<i>lsas_in_lsacks_out</i>	(Optional)
<i>lsas_in_rxmt_lsus_out</i>	(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_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> ] [ <state> ] [ <transition> ] [ <lastchange> ] [ <priority> ] [ <ifid> ] [ <dr> ] [ <bdr> ] [ <master> ] [ <seqno> ] [ <dbdallsentacked> ] [ <dbdallsent> ] [ <dbdallacked> ] [ <lsaonreqlist> ] [ <lsafromlastreq> ] [ <lsreqrxmts> ] [ <helloptions> ] [ <dbdoptions> ] [ <lastnonhello> ] [ <deadtimer> ] [ <pacingtimer> ] [ <dbdrxmtimer> ] [ <reqrxmtimer> ] [ <lsutimer> ] [ <rerxmtimer> ] [ <fastrexmtimer> ] [ <lsacktimer> ] [ <grtimer> ] [ <helpermode> ] [ <helpercand> ] [ <helperterm> ] [ <senddbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt> ] [ <sendlsack> ] [ <sendlsreqreply> ] [ <ipsec_sa_type> ] [ <ipsec_sa_algorithm> ] [ <ipsec_sa_spi> ] ] ]
```

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)
transit_area	(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>pacingtimer</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>sendlsreq</i>	(Optional)
<i>sendlsu</i>	(Optional)
<i>sendlsurxmt</i>	(Optional)
<i>sendlsack</i>	(Optional)
<i>sendlsreqreply</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

show	Show running system information
ipv6	(Optional) Display IPv6 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
virtual-links	Virtual link information
brief	Display summary of OSPFv3 virtual links
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>vlink_count</i>	(Optional)
TABLE_vlink	(Optional)
<i>nbr_rid</i>	(Optional)
<i>vlink_num</i>	(Optional)
<i>transit_area</i>	(Optional)
<i>cost</i>	(Optional)
<i>if_state</i>	(Optional)

Command Mode

- /exec

show otv

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

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