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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

show	Show running system information
object-group	Show configured ACL object groups
name	(Optional) object-group name
__readonly__	(Optional)
group_type	(Optional) Object group type
group_name	(Optional) Object group name
seqno	(Optional) Sequence number
TABLE_ogroup	(Optional)
TABLE_seqno	(Optional)
_port_op	(Optional) Port operator
_port_range	(Optional) Port range
port0_num	(Optional) Port number
port1_num	(Optional) Port number
port2_num	(Optional) Port number
net_ip	(Optional) A.B.C.D Network address of object-group member
hostaddr	(Optional) A.B.C.D Host address
mask_ip_addr	(Optional) A.B.C.D IP address
mask_ip_mask	(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
onep-session-id	Specific session name
rate-limit	rate limiting feature info
__readonly__	(Optional)
TABLE_sessions	(Optional) all current sessions of onep
ID	(Optional) the session handler
Username	(Optional) the username
State	(Optional) the state
ReconnectTimer	(Optional) the reconnect timer
ConnectTime	(Optional) the connect time
Appname	(Optional) the application name
Error	(Optional) possible error message
TABLE_buckets	(Optional) all rate limit buckets
Addr	(Optional) the remote address
Hash	(Optional) the hash of the remote address
Rate	(Optional) the token fill rate
Last	(Optional) the last rate check time
Current	(Optional) current tokens that are accepted to consume

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

TABLE_fingerprint	(Optional) certificate finger print
HashType	(Optional) Hash Type
HashValue	(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
__readonly__	(Optional)
num_applications	(Optional) Number of onep applications
TABLE_applications	(Optional) Table of onep applications
app_name	(Optional) Onep application name
app_version	(Optional) Onep application version
config_domain	(Optional) Onep config domain
ver_specific	(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
Content	(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
onep-session-id	Specific session name
all	All sessions
__readonly__	(Optional)
TABLE_history	(Optional) a set of history records
Record	(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
onep-session-id	(Optional) Specific session name
__readonly__	(Optional)
TABLE_stats_global	(Optional) global session statistics for onep
SessionTotal	(Optional) total onep sessions
ActiveSessions	(Optional) currently active onep sessions
LocalDisconnect	(Optional) onep sessions locally disconnected
RemoteDisconnect	(Optional) onep sessions remotely disconnected
ErrorDisconnect	(Optional) onep sessions errored disconnected
TotalDisconnects	(Optional) total onep disconnected sessions
TotalErrors	(Optional) total onep errors
AuthenticateErr	(Optional) onep authentication errors
DupAppNameErr	(Optional) onep duplicate application name errors
MemErr	(Optional) onep memory errors
SystemErr	(Optional) onep system errors
TotalConnects	(Optional) total number of TCP connection attempts
RejectedConnects	(Optional) number of TCP connections rejected by rate limiting
AcceptedConnects	(Optional) number of TCP connections accepted by rate limiting

UnaffectedConnects	(Optional) number of TCP connections unaffected by rate limiting
FailedConnectionIndex	(Optional) Index of the failed connection
SequenceNumber	(Optional) Sequence number of the failed connection
FailureReason	(Optional) Failure reason of the failed connection
ErrorCode	(Optional) Error code of the failed connection
FailureTime	(Optional) Failure time of the failed connection
RemoteHost	(Optional) Remote host address of the failed connection
TABLE_stats_sessions	(Optional) all current sessions of onep
ID	(Optional) the session handler
Appname	(Optional) the application name
APIIn	(Optional) the API in
APIOut	(Optional) the API out
BytesIn	(Optional) the Bytes in
BytesOut	(Optional) the Bytes out
VtyCount	(Optional) the Vty count
Error	(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
__readonly__	(Optional)
operational_status	(Optional) run-time info about onep
o_status	(Optional) status of onep
operational_enable_reason	(Optional) enable reason if onep is enabled
o_enable_reason	(Optional) if onep is enabled, the enable reason
operational_version	(Optional) run-time version about onep
o_version	(Optional) version of onep
TABLE_transports	(Optional) all transports of onep
transport_name	(Optional) the transport name
status	(Optional) the transport status
port	(Optional) the transport port
access_class	(Optional) the transport access-class
TABLE_trustpoints	(Optional) all trustpoints of the transport
trustpoint_type	(Optional) either Server-Identity or Client-Verification
trustpoint_name	(Optional) the name of the configured trustpoint
TABLE_trustpoint_hashes	(Optional) hashes of a certificate in each trustpoint
tp_hash_type	(Optional) the algorithm used to perform the hash
tp_hash_value	(Optional) the actual hash

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

Command Mode

- /exec

show openflow hardware capabilities

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

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
hardware	Hardware
capabilities	Capabilities
pipeline	(Optional) Pipeline id
pipeline-id	(Optional) Pipeline id

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

show	Show running system information
openflow	Show OpenFlow information
switch	Logical switch id
switch-id	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
__readonly__	(Optional)
cli_output	(Optional)
ctrlv4	(Optional)
ctrlport	(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

show	Show running system information
openflow	Show OpenFlow information
switch	Logical switch id
switch-id	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
table-id	(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

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)

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

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

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

ipsec_sa_algorithm	(Optional) IPsec SA Algorithm name
ipsec_sa_spi	(Optional) IPsec SA SPI Value
TABLE_range	(Optional)
masklen	(Optional)
state	(Optional)
nets	(Optional)
advertise	(Optional)
cost	(Optional)
filter_in	(Optional)
filter_out	(Optional)
lsa_cnt	(Optional)
lsa_crc	(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
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 <advid> | 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
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
interface	(Optional) OSPF enabled interface

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

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 <advid> | 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> <advrtr> <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_advrtr>] [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

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

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

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

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 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
tag	(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
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_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>] [<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)

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

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 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)

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

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

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)

state	(Optional)
transition	(Optional)
lastchange	(Optional)
bfd_state	(Optional)
priority	(Optional)
ifid	(Optional)
dr	(Optional)
bdr	(Optional)
master	(Optional)
seqno	(Optional)
dbdallsentacked	(Optional)
dbdallsent	(Optional)
dbdallacked	(Optional)
lsaonreqlist	(Optional)
lsafromlastreq	(Optional)
lsreqrxmts	(Optional)
helloptions	(Optional)
dbdoptions	(Optional)
lastnonhello	(Optional)
deadtimer	(Optional)
pacingtimer	(Optional)
dbdrxmtimer	(Optional)
reqrxmtimer	(Optional)
lsutimer	(Optional)
rerxmtimer	(Optional)
fastrerxmtimer	(Optional)
lsacktimer	(Optional)
grtimer	(Optional)
helpermode	(Optional)

helpercand	(Optional)
helperterm	(Optional)
senddbd	(Optional)
sendlsreq	(Optional)
sendlsu	(Optional)
sendlsurxmt	(Optional)
sendlsack	(Optional)
sendlsreqreply	(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
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

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

show ospfv3 request-list

show [ipv6] ospfv3 [<tag>] request-list { <ip-addr> | <neighbor-name> } <interface> [__readonly__ [TABLE_ctx <ptag> <cname> [TABLE_lsreq <nbr_rid> <intf> <nbr_addr> <total> [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
request-list	Link state request list
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_lsreq	(Optional)
nbr_rid	(Optional)
intf	(Optional)
total	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

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>] [<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
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)
direct	(Optional)

area	(Optional)
vlink_unresolved	(Optional)
TABLE_route_ubest_nh	(Optional)
ubest_nh_intf	(Optional)
ubest_cost	(Optional)
distance	(Optional)
ubest_nh_direct	(Optional)
ubest_nh_in_rib	(Optional)
TABLE_route_mbest_nh	(Optional)
mbest_nh_intf	(Optional)
mbest_cost	(Optional)
mbest_nh_direct	(Optional)
mbest_nh_in_rib	(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
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_recv> <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
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)
older_lsa_recv	(Optional)

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

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

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

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)

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

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

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)

nh_intf	(Optional)
transit_area_stub	(Optional)
transit_area_nssa	(Optional)
masklen	(Optional)
inst_id	(Optional)
area	(Optional)
if_cfg	(Optional)
state_str	(Optional)
type_str	(Optional)
cost	(Optional)
index	(Optional)
passive	(Optional)
mpls	(Optional)
transmit_delay	(Optional)
if_priority	(Optional)
dr_rid	(Optional)
bdr_rid	(Optional)
nbr_total	(Optional)
nbr_flood	(Optional)
nbr_adjs	(Optional)
gr_nbr	(Optional)
hello_interval	(Optional)
dead_interval	(Optional)
wait_interval	(Optional)
rxmt_interval	(Optional)
hello_timer	(Optional)
wait_timer	(Optional)
pacing_timer	(Optional)
lsu_timer	(Optional)

lsack_timer	(Optional)
netlsa_throt_timer	(Optional)
link_lsa_cnt	(Optional)
link_lsa_crc	(Optional)
state	(Optional)
transition	(Optional)
lastchange	(Optional)
priority	(Optional)
ifid	(Optional)
dr	(Optional)
bdr	(Optional)
master	(Optional)
seqno	(Optional)
dbdallsentacked	(Optional)
dbdallsent	(Optional)
dbdallacked	(Optional)
lsaonreqlist	(Optional)
lsafromlastreq	(Optional)
lsreqrxmts	(Optional)
helloptions	(Optional)
dbdoptions	(Optional)
lastnonhello	(Optional)
deadtimer	(Optional)
pacingtimer	(Optional)
dbdrxmtimer	(Optional)
reqrxmtimer	(Optional)
lsutimer	(Optional)
rerxmtimer	(Optional)
fastrerxmtimer	(Optional)

lsacktimer	(Optional)
grtimer	(Optional)
helpermode	(Optional)
helpercand	(Optional)
helperterm	(Optional)
senddbd	(Optional)
sendlsreq	(Optional)
sendlsu	(Optional)
sendlsurxmt	(Optional)
sendlsack	(Optional)
sendlsreqreply	(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 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
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

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

Command Mode

- /exec