|  |
| --- |
| [https://docs.solace.com/Solace_Logo.GIF](http://www.solace.com/) |

<https://docs.solace.com/CLI-Reference/CLI_Commands.html>

CLI Command Tree

[no] [alarm-display](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_alarm-display)

[cd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_cd) [<directory>]

[dir](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_dir) [<pattern>]

[end](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_end)

[exit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_exit)

[help](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_help)

[home](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_home)

[logout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_logout)

[more](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_more) <pattern>

[no] [paging](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_paging) [size <size>]

[ping](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_ping) <vrf-ip-addr-or-host> [ip-interface <ip-interface>]

[pwd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_pwd)

[session](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_session) timeout <idle-timeout>

[show](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show)

[acl-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_acl-profile) <name> [message-vpn <vpn-name>] [{detail

[[client-connect] [publish-topic] [subscribe-topic]]}

| {users}]

[alarm](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_alarm)

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_authentication) [user-class cli-semp] [current-user

| access-level [{default | ldap

[group <group-name-pattern>]}] [detail]]

[backup](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_backup)

[bridge](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_bridge) <bridge-name-pattern> [message-vpn

<vpn-name-pattern>] [remote-message-vpn

<remote-vpn-name-pattern>] [remote-router-name

<remote-router-name-pattern>] [connect-via

<addr-port>] [primary | backup]

[subscriptions [local | remote] | stats

[queues] | connections [wide] |

detail | message-spool-stats

| ssl | client-certificate]

[cache-cluster](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cache-cluster) <name> [distributed-cache <cache-name>]

[message-vpn <vpn-name>] [detail | topics

[filter <topic-pattern>] [type {local

| global [home-cache-cluster

<home-cache-cluster-name>]}]]

[cache-instance](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cache-instance) <name> [cache-cluster <cluster-name>]

[distributed-cache <cache-name>] [message-vpn

<vpn-name>] [detail | remote {status

home-cache-clusters | topics [detail] [filter

<topic-pattern>] [type {local | global}]}]

[client](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_client) <name> [client-username <username>]

[message-vpn <vpn-name>] [authorization-group

<group-name>] [{[{stats [congestion |

queues]} | {connections [wide]}]}

| {subscriptions} | {{message-spool

| message-spool-stats |

{transaction-stats [session <session-id>]}}

[{ {ingress | egress}} [flow <flow-id>]]}

| {sorted-stats [<stats-to-show>]

[sort-by <stats-to-sort-by>]

[clear-high-water-marks]} | {web-transport}]

[detail] [primary] [backup] [ static]

[slow-subscriber] [connected |

disconnected]

[client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_client-profile) <name> [message-vpn <vpn-name>] [detail]

[client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_client-username) <name> [message-vpn <vpn-name>]

[authorization-group <group-name>] [stats

| detail |

guaranteed-endpoints-owned]

[clock](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_clock) [timezones [<pattern>]]

[compression](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_compression)

[config-sync](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_config-sync) [database [router | message-vpn

<vpn-name>] [detail | remote] [count

<num-elements>]]

[console](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_console) [login-banner]

[cspf database](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cspf_database)

[cspf neighbor](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cspf_neighbor) <physical-router-name> [stats [queues | detail]

| connections [wide] | detail]

[cspf queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cspf_queue)

[cspf route](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cspf_route) [destination <router-destination>] [source

<router-source>]

[cspf ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cspf_ssl)

[cspf stats](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_cspf_stats)

[current-config](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_current-config)

[all](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_current-config_all)

[message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_current-config_message-vpn) <vpn-name> [remove]

[debug](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_debug) [process-name <process-name>] [process-instance

<process-instance>] [timeout <seconds>]

<command> [<parameter-list>]

[deferred-config](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_deferred-config)

[disk](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_disk) [detail]

[distributed-cache](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_distributed-cache) {<name> [message-vpn <vpn-name>] [detail]

| summary}

[dns](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_dns)

[environment](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_environment)

[hardware](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_hardware) [details | post]

[hostname](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_hostname)

[interface](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_interface) [<phy-interface>] [detail]

[ip route](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ip_route)

[ip vrf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ip_vrf) [<name> [route | interface

<interface-pattern> [detail]]]

[jndi connection-factory](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_jndi_connection-factory) <name> [message-vpn <vpn-name>] [with

<property-name> <property-value>] [detail]

[jndi object](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_jndi_object) <name> [message-vpn <vpn-name>]

[jndi queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_jndi_queue) <name> [message-vpn <vpn-name>] [with

<property-name> <property-value>] [detail]

[jndi schema](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_jndi_schema) [connection-factory | topic | queue]

[jndi summary](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_jndi_summary) [message-vpn <vpn-name>]

[jndi topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_jndi_topic) <name> [message-vpn <vpn-name>] [with

<property-name> <property-value>] [detail]

[kerberos](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_kerberos) [{keytab | keytab-file <file-name>}

[detail]]

[ldap-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ldap-profile) <profile-name> [detail | [index <server-index>]

stats | users]

[log](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log)

[acl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log_acl) [client-connect | publish-topic

| subscribe-topic] [client-username

<username>] [message-vpn <vpn-name>]

[wide]

[command](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log_command) [lines <num-lines>] [find <search-string>]

[debug](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log_debug) [lines <num-lines>] [find <search-string>]

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log_event) [lines <num-lines>] [find <search-string>]

[no-subscription-match](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log_no-subscription-match) [client-username <username>] [client-name

<name>] [message-vpn <vpn-name>] [wide]

[rest rest-delivery-point](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log_rest_rest-delivery-point) errors [wide]

[system](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_log_system) [lines <num-lines>] [find <search-string>]

[logging command](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_logging_command)

[logging config](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_logging_config)

[logging debug](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_logging_debug) [<subsystem-id>]

[logging event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_logging_event)

[memory](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_memory)

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_message-spool) [message-vpn <vpn-name>] [stats | detail

| rates]

[message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_message-vpn) <vpn-name> {[[detail | stats [detail]

| service [stats]] | [subscriptions

[primary] [backup] [static]]] |

replication [stats | detail |

client-certificate] | rest [{rest-delivery-point

<rdp-name> [stats | queue-binding

<queue-binding-name>] [count <num-elements>]

[detail] | rest-consumer

<rest-consumer-name> [rest-delivery-point

<rdp-name>] [stats |

outgoing-connections [tcp [wide]] |

authentication | client-certificate

| ssl | detail] [count <num-elements>]}]

| authorization [authorization-group

<name> [detail]] [count <num-elements>]

| mqtt mqtt-session <client-id-pattern>

[owner <owner-pattern>] [primary] [backup]

[detail | subscriptions [qos

<qos-value>] | stats | client |

queue] | bridging}

[ntp-server](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ntp-server)

[paging](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_paging)

[process](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_process) [pid <pid>]

[product-key](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_product-key)

[queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_queue) <name> [message-vpn <vpn-name>] [stats

| messages [oldest | newest] [msg-id

<msg-id>] | subscriptions |

rates | sort-by-messages-spooled

| sort-by-unacked-messages-spooled

| dead-message-queue <dmq-filter>

[dmq-list]] [durable | non-durable]

[detail] [flow <flow-id>] [count

<num-elements>]

[radius-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_radius-profile) <profile-name> [detail | stats]

[redundancy](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_redundancy) [detail]

[replicated-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_replicated-topic) <topic> [message-vpn <vpn-name>]

[replication-mode {sync | async}] [count

<num-elements>]

[replication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_replication) [stats]

[router-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_router-name)

[routing](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_routing)

[sequenced-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_sequenced-topic) <topic> [message-vpn <vpn-name>] [count

<num-elements>]

[service](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_service) [web-transport]

[session](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_session)

[smrp database](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_smrp_database) [router-name <router-name>] [detail]

[smrp route](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_smrp_route) topic <topic-string> [message-vpn

<vpn-name>] [destination-name

<destination-name>] [client] [queue] [remote-router]

[primary] [backup] [static] [persistent

| non-persistent]

[smrp stats](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_smrp_stats) [router-name [<router-name>]]

[smrp subscription-block](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_smrp_subscription-block) [router-name <router-name>] [block-id

<block-id>] [message-vpn <vpn-name>]

[persistent | non-persistent]

[detail]

[smrp subscriptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_smrp_subscriptions) [message-vpn <vpn-name>] [destination-name

<destination-name>] [client] [queue] [remote-router]

[primary] [backup] [static] [{[dto-priority

<priority>] [topic <topic-str>] [persistent

| non-persistent]} | {summary}]

[snmp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_snmp) [trap [<name>]]

[ssl allow-tls-version](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ssl_allow-tls-version)

[ssl certificate-files](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ssl_certificate-files) [filename <filename>] [detail]

[ssl cipher-suite-list](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ssl_cipher-suite-list) {default}

[ssl server-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ssl_server-certificate) [detail]

[ssl supported-cipher-suites](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ssl_supported-cipher-suites)

[ssl tls-session-timeout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_ssl_tls-session-timeout)

[stats client](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_stats_client) [detail]

[stats neighbor](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_stats_neighbor) [detail]

[stats ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_stats_ssl)

[syslog](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_syslog) [<name>]

[topic-endpoint](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_topic-endpoint) <name> [message-vpn <vpn-name>] [stats

| messages [oldest | newest] [msg-id

<msg-id>] | topics | rates

| sort-by-messages-spooled

| sort-by-unacked-messages-spooled

| dead-message-queue <dmq-filter>

[dmq-list]] [durable | non-durable]

[detail] [flow <flow-id>] [count

<num-elements>]

[transaction](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_transaction) [xid <xid>] [message-vpn <vpn-name>]

[state <transaction-state>] [replicated]

[detail | sort-by-last-state-change

| sort-by-messages-spooled] [

count <num-elements>]

[trusted-root](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_trusted-root) [file <ca-certificate>] [detail]

[username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_username) <username-pattern> [detail]

[version](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_show_version)

[source script](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_source_script) <script-name> [stop-on-error]

[no-prompt]

[no] [strict-column-wrapping](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_strict-column-wrapping)

[tree](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_tree) [all | global]

[admin](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin)

[bridge](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_bridge) <bridge-name-pattern> message-vpn <vpn-name>

[primary | backup]

[clear-event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_bridge_clear-event) <event-name>

[disconnect](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_bridge_disconnect)

[client](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_client) <name> message-vpn <vpn-name> [primary]

[backup] [static]

[clear-event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_client_clear-event) <event-name>

[disconnect](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_client_disconnect)

[config-sync](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_config-sync)

[assert-master](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_config-sync_assert-master) {router | message-vpn <vpn-name>}

[resync-master](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_config-sync_resync-master) {router | message-vpn <vpn-name>}

[resync-slave](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_config-sync_resync-slave) message-vpn <vpn-name>

[cspf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_cspf)

[neighbor](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_cspf_neighbor) <physical-router-name>

[clear-event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_cspf_neighbor_clear-event) <event-name>

[delete-remote-router](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_delete-remote-router) <router-name>

[disk](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_disk)

[rebuild](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_disk_rebuild)

[rebuild-speed](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_disk_rebuild-speed) {high | low}

[distributed-cache](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_distributed-cache) <name> message-vpn <vpn-name>

[backup-cached-messages](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_distributed-cache_backup-cached-messages) cache-instance <instance-name> [{file

<filename>} | cancel]

[clear-event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_distributed-cache_clear-event) <event-name> [cache-cluster <cluster-name>]

[cache-instance <instance-name>]

[delete-messages](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_distributed-cache_delete-messages) <topic> [cache-cluster <cluster-name>]

[cache-instance <instance-name>]

[restore-cached-messages](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_distributed-cache_restore-cached-messages) cache-instance <instance-name> [{file

<filename>} | cancel]

[start](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_distributed-cache_start) [cache-cluster <cluster-name>] [cache-instance

<instance-name>]

[gather-diagnostics](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_gather-diagnostics) [days-of-history <days-of-history>]

[interface](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_interface) <phy-interface>

[switch-active](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_interface_switch-active)

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_message-spool) message-vpn <vpn-name>

[commit-transaction](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_message-spool_commit-transaction) xid <xid>

[delete-messages](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_message-spool_delete-messages) {{queue <queue-name>} |

{topic-endpoint <te-name>}} [message

<msg-id> [to <to-msg-id>]]

[delete-transacted-session](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_message-spool_delete-transacted-session) <name>

[delete-transaction](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_message-spool_delete-transaction) xid <xid>

[rollback-transaction](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_message-spool_rollback-transaction) xid <xid>

[sequenced-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_message-spool_sequenced-topic) <topic> next-sequence-number <seq-num>

[no] [product-key](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_product-key) <key-value>

[redundancy](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_redundancy)

[revert-activity](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_redundancy_revert-activity)

[system](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system)

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool)

[assert-disk-ownership](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool_assert-disk-ownership)

[backup-adb-to-disk](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool_backup-adb-to-disk)

[defragment-spool-files](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool_defragment-spool-files) {start | stop}

[max-message-count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool_max-message-count) <max-message-count>

[next-message-id](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool_next-message-id) <message-id>

[override-flash-failure](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool_override-flash-failure)

[reset](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_admin_system_message-spool_reset) [full]

[backup](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_backup)

[boot](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_boot) {<version> [default-config] | backout}

[clear bridge](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_bridge) <bridge-name-pattern> message-vpn <vpn-name>

[primary | backup] stats

[clear cache-instance](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_cache-instance) <name> [cache-cluster <cluster-name>]

[distributed-cache <cache-name>] [message-vpn

<vpn-name>] stats

[clear client](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_client) <name> [message-vpn <vpn-name>] [primary]

[backup] [static] stats

[clear client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_client-username) <name> [message-vpn <vpn-name>] stats

[clear compression](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_compression) stats

[clear cspf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_cspf) neighbor <physical-router-name> stats

[clear cspf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_cspf) stats

[clear ldap-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_ldap-profile) <profile-name> stats

[clear log](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_log) acl [client-connect | publish-topic

| subscribe-topic]

[clear log](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_log) no-subscription-match

[clear log](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_log) rest rest-delivery-point errors

[clear message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_message-spool) stats

[clear message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_message-vpn) <vpn-name> {stats | message-spool-stats

| replication-stats | service-stats

| {rest {{rest-delivery-point <rdp-name>}

| {rest-consumer <rest-consumer-name>

[rest-delivery-point <rdp-name>]}} stats} | {mqtt

{mqtt-session <client-id-pattern>} stats}}

[clear queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_queue) <name> [message-vpn <vpn-name>] stats

[clear radius-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_radius-profile) <profile-name> stats

[clear replication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_replication) stats

[clear smrp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_smrp) stats [router-name [<router-name>]]

[clear snmp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_snmp) stats

[clear stats](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_stats) client

[clear stats](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_stats) neighbor

[clear stats](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_stats) ssl

[clear topic-endpoint](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_clear_topic-endpoint) <name> [message-vpn <vpn-name>] stats

[configure](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure)

[create|no] [acl-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile) <name> message-vpn <vpn-name>

[client-connect](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_client-connect)

[default-action](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_client-connect_default-action) {allow | disallow}

[no] [exception](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_client-connect_exception) <cidr-addr>

[publish-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_publish-topic)

[default-action](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_publish-topic_default-action) {allow | disallow}

[no] [exceptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_publish-topic_exceptions) [smf | mqtt] list <exception-list>

[subscribe-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_subscribe-topic)

[default-action](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_subscribe-topic_default-action) {allow | disallow}

[no] [exceptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_acl-profile_subscribe-topic_exceptions) [smf | mqtt] list <exception-list>

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication)

[no] [allow-direct-shell-login](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_allow-direct-shell-login) <shell-login-name>

[kerberos](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_kerberos)

[keytab](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_kerberos_keytab)

[add-key](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_kerberos_keytab_add-key) <keytab-filename> [index <index>]

[delete-keytab-entry](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_kerberos_keytab_delete-keytab-entry) <index>

[create|no] [ldap-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile) <profile-name>

[admin](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_admin) dn <admin-dn> [password

<admin-password>]

[no] [allow-unauthenticated-authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_allow-unauthenticated-authentication)

[group-membership-secondary-search](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search)

[base-dn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_base-dn) <distinguished-name>

[deref](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_deref) {never | search | base |

always}

[filter](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_filter) <filter>

[filter-attribute-from-primary-search](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_filter-attribute-from-primary-search) <attribute-name>

[no] [follow-continuation-references](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_follow-continuation-references)

[scope](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_scope) {base | one-level |

subtree}

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_shutdown)

[timeout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_group-membership-secondary-search_timeout) <duration>

[no] [ldap-server](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_ldap-server) <ldap-host> index <server-index>

[search](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_search)

[base-dn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_search_base-dn) <distinguished-name>

[deref](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_search_deref) {never | search | base |

always}

[filter](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_search_filter) <filter>

[no] [follow-continuation-references](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_search_follow-continuation-references)

[scope](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_search_scope) {base | one-level |

subtree}

[timeout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_search_timeout) <duration>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_shutdown)

[no] [tls](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_ldap-profile_tls)

[create|no] [radius-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_radius-profile) <profile-name>

[no] [radius-server](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_radius-profile_radius-server) <ip-port> index <server-index> [key

<shared-secret-key>]

[retransmit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_radius-profile_retransmit) <attempts>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_radius-profile_shutdown)

[timeout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_radius-profile_timeout) <duration>

[no] [replace-duplicate-client-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_replace-duplicate-client-connections)

[no] [trusted-root](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_trusted-root) file <ca-certificate>

[user-class](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class) cli

[access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level)

[default](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_default)

[global-access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_default_global-access-level) <access-level>

[message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_default_message-vpn)

[create|no] [access-level-exception](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_default_message-vpn_access-level-exception) <vpn-name>

[access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_default_message-vpn_access-level-exception_access-level) <access-level>

[default-access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_default_message-vpn_default-access-level) <access-level>

[ldap](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap)

[create|no] [group](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap_group) <group-name>

[global-access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap_group_global-access-level) <access-level>

[message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap_group_message-vpn)

[create|no] [access-level-exception](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap_group_message-vpn_access-level-exception) <vpn-name>

[access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap_group_message-vpn_access-level-exception_access-level) <access-level>

[default-access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap_group_message-vpn_default-access-level) <access-level>

[no] [group-membership-attribute-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_access-level_ldap_group-membership-attribute-name) <attribute-name>

[auth-type](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_auth-type) {radius <radius-profile> | ldap

<ldap-profile> | internal}

[no] [radius-domain](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_authentication_user-class_radius-domain) <radius-domain>

[create|no] [bridge](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge) <bridge-name> message-vpn <vpn-name>

[primary | backup]

[no] [max-ttl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_max-ttl) <ttl-value>

[remote](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote)

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_authentication)

[auth-scheme](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_authentication_auth-scheme) {basic | client-certificate}

[basic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_authentication_basic)

[no] [client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_authentication_basic_client-username) <name> [password <password>]

[client-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_authentication_client-certificate)

[no] [certificate-file](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_authentication_client-certificate_certificate-file) <filename>

[deliver-to-one](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_deliver-to-one)

[no] [priority](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_deliver-to-one_priority) <dto-priority>

[create|no] [message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn) <vpn-name> {router <virtual-router-name>

| {connect-via <addr>} [interface

<phys-intf>]}

[no] [client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_client-username) <name> [password <password>]

[no] [compressed-data](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_compressed-data)

[no] [connect-order](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_connect-order) <number>

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_message-spool)

[no] [queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_message-spool_queue) <name>

[no] [window-size](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_message-spool_window-size) <number>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_shutdown)

[no] [ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_ssl)

[unidirectional](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_unidirectional)

[no] [client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_message-vpn_unidirectional_client-profile) <name>

[retry](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_retry)

[no] [count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_retry_count) <count>

[no] [delay](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_retry_delay) <seconds>

[no] [subscription-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_remote_subscription-topic) <topic> [deliver-always]

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_ssl)

[no] [cipher-suite](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_ssl_cipher-suite) {default | empty | name <suite-name>

[{before | after} <existing-suite-name>]}

[no] [trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_bridge_ssl_trusted-common-name) {empty | name <common-name>}

[create|no] [client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile) <name> message-vpn <vpn-name>

[no] [allow-bridge-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_allow-bridge-connections)

[eliding](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_eliding)

[no] [delay](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_eliding_delay) <milliseconds>

[no] [max-topics](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_eliding_max-topics) <num>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_eliding_shutdown)

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event)

[client-provisioned-endpoint-spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_client-provisioned-endpoint-spool-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_client-provisioned-endpoint-spool-usage_thresholds) [set-percentage <set-percentage>]

[clear-percentage <clear-percentage>]

[connections-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_connections-per-client-username)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_connections-per-client-username_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[egress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_egress-flows)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_egress-flows_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[endpoints-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_endpoints-per-client-username)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_endpoints-per-client-username_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[ingress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_ingress-flows)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_ingress-flows_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[service](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_service)

[smf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_service_smf)

[connections-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_service_smf_connections-per-client-username)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_service_smf_connections-per-client-username_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[web-transport](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_service_web-transport)

[connections-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_service_web-transport_connections-per-client-username)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_service_web-transport_connections-per-client-username_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[subscriptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_subscriptions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_subscriptions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[transacted-sessions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_transacted-sessions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_transacted-sessions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[transactions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_transactions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_event_transactions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[no] [max-connections-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_max-connections-per-client-username) <value>

[no] [max-subscriptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_max-subscriptions) <value>

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool)

[no] [allow-cut-through-forwarding](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_allow-cut-through-forwarding)

[no] [allow-guaranteed-endpoint-create](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_allow-guaranteed-endpoint-create)

[no] [allow-guaranteed-message-receive](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_allow-guaranteed-message-receive)

[no] [allow-guaranteed-message-send](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_allow-guaranteed-message-send)

[no] [allow-transacted-sessions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_allow-transacted-sessions)

[api-queue-management](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_api-queue-management)

[no] [copy-from-on-create](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_api-queue-management_copy-from-on-create) <queue-name>

[api-topic-endpoint-management](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_api-topic-endpoint-management)

[no] [copy-from-on-create](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_api-topic-endpoint-management_copy-from-on-create) <topic-endpoint-name>

[no] [max-egress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_max-egress-flows) <value>

[no] [max-endpoints-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_max-endpoints-per-client-username) <value>

[no] [max-ingress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_max-ingress-flows) <value>

[no] [max-transacted-sessions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_max-transacted-sessions) <value>

[no] [max-transactions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_max-transactions) <value>

[no] [reject-msg-to-sender-on-no-subscription-match](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_message-spool_reject-msg-to-sender-on-no-subscription-match)

[queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_queue) <type>

[no] [max-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_queue_max-depth) <depth>

[no] [min-msg-burst](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_queue_min-msg-burst) <depth>

[replication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_replication)

[no] [allow-clients-when-standby](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_replication_allow-clients-when-standby)

[service](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_service)

[smf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_service_smf)

[no] [max-connections-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_service_smf_max-connections-per-client-username) <value>

[web-transport](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_service_web-transport)

[no] [inactive-timeout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_service_web-transport_inactive-timeout) <seconds>

[no] [max-connections-per-client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_service_web-transport_max-connections-per-client-username) <value>

[no] [max-web-payload](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_service_web-transport_max-web-payload) <bytes>

[tcp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp)

[no] [initial-cwnd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp_initial-cwnd) <num-mss>

[keepalive](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp_keepalive)

[no] [count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp_keepalive_count) <num>

[no] [idle](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp_keepalive_idle) <seconds>

[no] [interval](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp_keepalive_interval) <seconds>

[no] [max-wnd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp_max-wnd) <num-kilo-bytes>

[no] [mss](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-profile_tcp_mss) <byte-count>

[create|no] [client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-username) <username> message-vpn <vpn-name>

[no] [acl-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-username_acl-profile) <name>

[no] [client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-username_client-profile) <name>

[no] [guaranteed-endpoint-permission-override](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-username_guaranteed-endpoint-permission-override)

[no] [password](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-username_password) <password>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-username_shutdown)

[no] [subscription-manager](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_client-username_subscription-manager)

[clock](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_clock)

[set](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_clock_set) <time> <day> <month> <year>

[timezone](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_clock_timezone) <zone>

[compression](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_compression)

[mode](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_compression_mode) {optimize-for-size | optimize-for-speed}

[config-sync](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync)

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_authentication)

[client-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_authentication_client-certificate)

[no] [max-certificate-chain-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_authentication_client-certificate_max-certificate-chain-depth) <max-depth>

[no] [validate-certificate-date](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_authentication_client-certificate_validate-certificate-date)

[client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile)

[tcp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp)

[no] [initial-cwnd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp_initial-cwnd) <num-mss>

[keepalive](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp_keepalive)

[no] [count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp_keepalive_count) <num>

[no] [idle](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp_keepalive_idle) <seconds>

[no] [interval](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp_keepalive_interval) <seconds>

[no] [max-wnd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp_max-wnd) <num-kilo-bytes>

[no] [mss](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_client-profile_tcp_mss) <byte-count>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_shutdown)

[synchronize](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_synchronize)

[no] [username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_config-sync_synchronize_username)

[console](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_console)

[baud-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_console_baud-rate) <baud-rate>

[no] [login-banner](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_console_login-banner) {text <banner-text> | file <file-name>}

[timeout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_console_timeout) <idle-timeout>

[disconnect](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_disconnect) sessionid <session-id>

[create|no] [distributed-cache](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache) <name> message-vpn <vpn-name>

[create|no] [cache-cluster](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster) <name>

[create|no] [cache-instance](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_cache-instance) <name>

[no] [auto-start](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_cache-instance_auto-start)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_cache-instance_shutdown)

[no] [stop-on-lost-message](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_cache-instance_stop-on-lost-message)

[no] [deliver-to-one-override](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_deliver-to-one-override)

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event)

[data-byte-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_data-byte-rate)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_data-byte-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[data-message-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_data-message-rate)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_data-message-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[max-memory](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_max-memory)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_max-memory_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[max-topics](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_max-topics)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_max-topics_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[request-queue-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_request-queue-depth)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_request-queue-depth_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[request-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_request-rate)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_request-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[response-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_response-rate)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_event_response-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[global-caching](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_global-caching)

[no] [heartbeat](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_global-caching_heartbeat) <seconds>

[create|no] [home-cache-cluster](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_global-caching_home-cache-cluster) <name>

[no] [topic-prefix](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_global-caching_home-cache-cluster_topic-prefix) <topic-prefix>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_global-caching_shutdown)

[no] [topic-lifetime](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_global-caching_topic-lifetime) <seconds>

[no] [max-memory](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_max-memory) <megabytes>

[no] [max-messages-per-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_max-messages-per-topic) <num-messages>

[no] [max-topics](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_max-topics) <num-topics>

[no] [message-lifetime](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_message-lifetime) <seconds>

[no] [new-topic-advertisement](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_new-topic-advertisement)

[no] [request-queue-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_request-queue-depth) <num-messages>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_shutdown)

[no] [topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_cache-cluster_topic) <topic-str>

[no] [heartbeat](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_heartbeat) <seconds>

[no] [scheduled-delete-message](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_scheduled-delete-message) [days <days-of-week>] times

<times-of-day>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_distributed-cache_shutdown)

[dns](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_dns)

[no] [name-server](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_dns_name-server) <ip-addr>

[no] [polled-domain-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_dns_polled-domain-name) <domain-name>

[hardware](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware)

[disk](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_disk) <disk-name> [no] shutdown

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool)

[no] [disk-array](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_disk-array) wwn <wwn>

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event)

[cache-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_cache-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_cache-usage_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[delivered-unacked](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_delivered-unacked)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_delivered-unacked_thresholds) [set-percentage <set-percentage>]

[clear-percentage <clear-percentage>]

[disk-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_disk-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_disk-usage_thresholds) [set-percentage <set-percentage>]

[clear-percentage <clear-percentage>]

[egress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_egress-flows)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_egress-flows_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[endpoints](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_endpoints)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_endpoints_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[ingress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_ingress-flows)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_ingress-flows_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[message-count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_message-count)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_message-count_thresholds) [set-percentage <set-percentage>]

[clear-percentage <clear-percentage>]

[spool-files](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_spool-files)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_spool-files_thresholds) [set-percentage <set-percentage>]

[clear-percentage <clear-percentage>]

[spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_spool-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_spool-usage_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[transacted-session-resources](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_transacted-session-resources)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_transacted-session-resources_thresholds) [set-percentage <set-percentage>]

[clear-percentage <clear-percentage>]

[transacted-sessions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_transacted-sessions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_transacted-sessions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[transactions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_transactions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_event_transactions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[no] [internal-disk](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_internal-disk)

[no] [max-cache-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_max-cache-usage) <percent-usage>

[no] [max-spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_max-spool-usage) <size>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_shutdown)

[transaction](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_transaction)

[no] [replication-compatibility-mode](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_message-spool_transaction_replication-compatibility-mode) {legacy | transacted}

[power-redundancy](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_power-redundancy) <type>

[topic-routing](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_topic-routing)

[no] [acl-topic-matching-mode](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hardware_topic-routing_acl-topic-matching-mode) {legacy | enforce-for-queues}

[no] [hostname](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_hostname) <name> [defer]

[create|no] [interface](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface) <phy-interface> [<mode>]

[no] [member](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface_member) <phy-interface>

[no] [primary-member](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface_primary-member) <phy-interface>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface_shutdown)

[traffic-shaping](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface_traffic-shaping)

[egress](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface_traffic-shaping_egress)

[no] [rate-limit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface_traffic-shaping_egress_rate-limit) <mbps>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_interface_traffic-shaping_egress_shutdown)

[ip](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip)

[no] [vrf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip_vrf) <name>

[create|no] [interface](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip_vrf_interface) <ip-interface> [primary | backup

| static]

[no] [ip-address](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip_vrf_interface_ip-address) <cidr-addr>

[kerberos](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip_vrf_interface_kerberos)

[no] [service-principal-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip_vrf_interface_kerberos_service-principal-name) <name>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip_vrf_interface_shutdown)

[no] [route](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ip_vrf_route) {default | <cidr-addr>} <ip-addr>

[<interface>]

[jndi](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi) message-vpn <vpn-name>

[create|no] [connection-factory](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_connection-factory) <name>

[no] [property](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_connection-factory_property) <name> <value>

[property-list](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_connection-factory_property-list) <name>

[no] [property](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_connection-factory_property-list_property) <name> <value>

[create|no] [queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_queue) <name>

[no] [property](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_queue_property) <name> <value>

[property-list](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_queue_property-list) <name>

[no] [property](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_queue_property-list_property) <name> <value>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_shutdown)

[create|no] [topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_topic) <name>

[no] [property](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_topic_property) <name> <value>

[property-list](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_topic_property-list) <name>

[no] [property](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_jndi_topic_property-list_property) <name> <value>

[logging](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_logging)

[no] [command](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_logging_command) {cli | semp-mgmt | semp-msgbus

| all} mode {shutdown |

config-cmds | all-cmds}

[no] [debug](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_logging_debug) {<subsystem-id> | all} [level <level>]

[mask <mask>]

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_logging_event)

[no] [publish-system](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_logging_event_publish-system)

[no] [system-tag](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_logging_event_system-tag) <tag-string>

[no] [millisecond-timestamp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_logging_millisecond-timestamp)

[memory-event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_memory-event)

[nab-buffer-load-factor](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_memory-event_nab-buffer-load-factor)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_memory-event_nab-buffer-load-factor_thresholds) [set-percentage <set-percentage>]

[clear-percentage <clear-percentage>]

[physical-memory](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_memory-event_physical-memory)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_memory-event_physical-memory_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[subscriptions-memory](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_memory-event_subscriptions-memory)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_memory-event_subscriptions-memory_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool) message-vpn <vpn-name>

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event)

[egress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_egress-flows)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_egress-flows_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[endpoints](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_endpoints)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_endpoints_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[ingress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_ingress-flows)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_ingress-flows_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_spool-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_spool-usage_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[transacted-sessions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_transacted-sessions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_transacted-sessions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[transactions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_transactions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_event_transactions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[no] [max-egress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_max-egress-flows) <value>

[no] [max-endpoints](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_max-endpoints) <value>

[no] [max-ingress-flows](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_max-ingress-flows) <value>

[no] [max-spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_max-spool-usage) <size>

[no] [max-transacted-sessions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_max-transacted-sessions) <value>

[no] [max-transactions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_max-transactions) <value>

[create|no] [queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue) <name>

[no] [access-type](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_access-type) {exclusive | non-exclusive}

[no] [consumer-ack-propagation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_consumer-ack-propagation)

[no] [dead-message-queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_dead-message-queue) <dmq-name>

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_event)

[bind-count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_event_bind-count)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_event_bind-count_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[reject-low-priority-msg-limit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_event_reject-low-priority-msg-limit)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_event_reject-low-priority-msg-limit_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_event_spool-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_event_spool-usage_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[no] [max-bind-count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_max-bind-count) <value>

[no] [max-delivered-unacked-msgs-per-flow](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_max-delivered-unacked-msgs-per-flow) <max>

[no] [max-message-size](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_max-message-size) <size>

[no] [max-redelivery](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_max-redelivery) <value>

[no] [max-spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_max-spool-usage) <size>

[no] [max-ttl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_max-ttl) <ttl>

[no] [owner](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_owner) <owner>

[no] [permission](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_permission) all {no-access | read-only

| consume | modify-topic

| delete}

[no] [reject-low-priority-msg](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_reject-low-priority-msg)

[no] [reject-low-priority-msg-limit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_reject-low-priority-msg-limit) <limit>

[no] [reject-msg-to-sender-on-discard](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_reject-msg-to-sender-on-discard) [including-when-shutdown]

[no] [respect-ttl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_respect-ttl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_shutdown) [ingress | egress | full]

[no] [subscription](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_queue_subscription) topic <topic>

[no] [sequenced-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_sequenced-topic) <topic>

[create|no] [topic-endpoint](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint) <name>

[no] [consumer-ack-propagation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_consumer-ack-propagation)

[no] [dead-message-queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_dead-message-queue) <dmq-name>

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_event)

[reject-low-priority-msg-limit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_event_reject-low-priority-msg-limit)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_event_reject-low-priority-msg-limit_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_event_spool-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_event_spool-usage_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[no] [max-delivered-unacked-msgs-per-flow](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_max-delivered-unacked-msgs-per-flow) <max>

[no] [max-message-size](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_max-message-size) <size>

[no] [max-redelivery](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_max-redelivery) <value>

[no] [max-spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_max-spool-usage) <size>

[no] [max-ttl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_max-ttl) <ttl>

[no] [owner](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_owner) <owner>

[no] [permission](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_permission) all {no-access | read-only

| consume | modify-topic

| delete}

[no] [reject-low-priority-msg](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_reject-low-priority-msg)

[no] [reject-low-priority-msg-limit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_reject-low-priority-msg-limit) <limit>

[no] [reject-msg-to-sender-on-discard](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_reject-msg-to-sender-on-discard) [including-when-shutdown]

[no] [respect-ttl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_respect-ttl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-spool_topic-endpoint_shutdown) [ingress | egress | full]

[create|no] [message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn) <vpn-name>

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication)

[user-class](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class) {client}

[basic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_basic)

[auth-type](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_basic_auth-type) {radius <radius-profile> |

ldap <ldap-profile> |

internal | none}

[no] [radius-domain](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_basic_radius-domain) <radius-domain>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_basic_shutdown)

[client-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_client-certificate)

[no] [allow-api-provided-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_client-certificate_allow-api-provided-username)

[no] [max-certificate-chain-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_client-certificate_max-certificate-chain-depth) <max-depth>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_client-certificate_shutdown)

[no] [validate-certificate-date](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_client-certificate_validate-certificate-date)

[kerberos](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_kerberos)

[no] [allow-api-provided-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_kerberos_allow-api-provided-username)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authentication_user-class_kerberos_shutdown)

[authorization](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization)

[user-class](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class) {client}

[create|no] [authorization-group](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_authorization-group) <name>

[no] [acl-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_authorization-group_acl-profile) <name>

[no] [client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_authorization-group_client-profile) <name>

[order](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_authorization-group_order) {before | after}

<authorization-group-name>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_authorization-group_shutdown)

[authorization-type](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_authorization-type) {ldap <ldap-profile> |

internal}

[ldap](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_ldap)

[no] [group-membership-attribute-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_authorization_user-class_ldap_group-membership-attribute-name) <attribute-name>

[bridging](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_bridging)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_bridging_ssl)

[server-certificate-validation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_bridging_ssl_server-certificate-validation)

[no] [enforce-trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_bridging_ssl_server-certificate-validation_enforce-trusted-common-name)

[no] [max-certificate-chain-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_bridging_ssl_server-certificate-validation_max-certificate-chain-depth) <max-depth>

[no] [validate-certificate-date](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_bridging_ssl_server-certificate-validation_validate-certificate-date)

[no] [distributed-cache-management](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_distributed-cache-management)

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_connections_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[egress-message-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_egress-message-rate)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_egress-message-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[ingress-message-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_ingress-message-rate)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_ingress-message-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[no] [large-message-threshold](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_large-message-threshold) <size>

[no] [log-tag](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_log-tag) <tag-string>

[no] [publish-client](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_publish-client)

[no] [publish-message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_publish-message-vpn)

[no] [publish-subscription](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_publish-subscription) [no-unsubscribe-events-on-disconnect]

[event-topic-format {v1 | v2}]

[no] [publish-topic-format](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_publish-topic-format) [smf] [mqtt]

[service](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service)

[mqtt](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_mqtt)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_mqtt_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_mqtt_connections_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[rest](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_rest)

[incoming](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_rest_incoming)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_rest_incoming_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_rest_incoming_connections_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[smf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_smf)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_smf_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_smf_connections_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[web-transport](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_web-transport)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_web-transport_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_service_web-transport_connections_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[subscriptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_subscriptions)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_event_subscriptions_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[export-policy](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_export-policy)

[no] [export-subscriptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_export-policy_export-subscriptions)

[no] [management-message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_management-message-vpn)

[no] [max-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_max-connections) <value>

[no] [max-subscriptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_max-subscriptions) <value>

[mqtt](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt)

[create|no] [mqtt-session](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session) <client-id> [primary | backup]

[no] [owner](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_owner) <owner>

[create|no] [queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue)

[no] [access-type](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_access-type) {exclusive | non-exclusive}

[no] [consumer-ack-propagation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_consumer-ack-propagation)

[no] [dead-message-queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_dead-message-queue) <dmq-name>

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_event)

[bind-count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_event_bind-count)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_event_bind-count_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[reject-low-priority-msg-limit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_event_reject-low-priority-msg-limit)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_event_reject-low-priority-msg-limit_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_event_spool-usage)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_event_spool-usage_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[no] [max-bind-count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_max-bind-count) <value>

[no] [max-delivered-unacked-msgs-per-flow](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_max-delivered-unacked-msgs-per-flow) <max>

[no] [max-message-size](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_max-message-size) <size>

[no] [max-redelivery](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_max-redelivery) <value>

[no] [max-spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_max-spool-usage) <size>

[no] [max-ttl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_max-ttl) <ttl>

[no] [owner](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_owner) <owner>

[no] [permission](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_permission) all {no-access | read-only

| consume | modify-topic

| delete}

[no] [reject-low-priority-msg](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_reject-low-priority-msg)

[no] [reject-low-priority-msg-limit](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_reject-low-priority-msg-limit) <limit>

[no] [reject-msg-to-sender-on-discard](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_reject-msg-to-sender-on-discard) [including-when-shutdown]

[no] [respect-ttl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_respect-ttl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_queue_shutdown) [ingress | egress | full]

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_shutdown)

[create|no] [subscription](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_subscription) <topic>

[no] [qos](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_subscription_qos) <qos-value>

[subscription-list](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_mqtt_mqtt-session_subscription-list) qos <qos-value> [<topic-list>]

[replication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication)

[ack-propagation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_ack-propagation)

[interval](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_ack-propagation_interval)

[no] [messages](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_ack-propagation_interval_messages) <num-messages>

[bridge](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge)

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_authentication)

[auth-scheme](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_authentication_auth-scheme) {basic | client-certificate}

[basic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_authentication_basic)

[no] [client-username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_authentication_basic_client-username) <name> [password <password>]

[client-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_authentication_client-certificate)

[no] [certificate-file](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_authentication_client-certificate_certificate-file) <filename>

[no] [compressed-data](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_compressed-data)

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_message-spool)

[no] [window-size](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_message-spool_window-size) <number>

[no] [retry-delay](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_retry-delay) <seconds>

[no] [ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_ssl)

[unidirectional](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_unidirectional)

[no] [client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_bridge_unidirectional_client-profile) <name>

[queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_queue)

[no] [max-spool-usage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_queue_max-spool-usage) <size>

[no] [reject-msg-to-sender-on-discard](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_queue_reject-msg-to-sender-on-discard)

[no] [reject-msg-when-sync-ineligible](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_reject-msg-when-sync-ineligible)

[create|no] [replicated-topic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_replicated-topic) <topic>

[no] [replication-mode](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_replicated-topic_replication-mode) {sync | async}

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_shutdown)

[state](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_state) {active | standby}

[no] [transaction-replication-mode](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_replication_transaction-replication-mode) {sync | async}

[rest](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest)

[create|no] [rest-delivery-point](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point) <name>

[no] [client-profile](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_client-profile) <name>

[create|no] [queue-binding](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_queue-binding) <queue-name>

[no] [post-request-target](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_queue-binding_post-request-target) <post-request-target>

[create|no] [rest-consumer](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer) <name>

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_authentication)

[no] [auth-scheme](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_authentication_auth-scheme) {none | http-basic

| client-certificate}

[client-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_authentication_client-certificate)

[no] [certificate-file](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_authentication_client-certificate_certificate-file) <filename>

[http-basic](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_authentication_http-basic)

[no] [username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_authentication_http-basic_username) <name> [password <password>]

[local](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_local)

[no] [interface](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_local_interface) <phys-intf>

[remote](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote)

[no] [host](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote_host) <dest-ip-addr-or-host>

[no] [max-post-wait-time](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote_max-post-wait-time) <seconds>

[no] [outgoing-connection-count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote_outgoing-connection-count) <count>

[no] [port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote_port) <port>

[retry](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote_retry)

[no] [delay](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote_retry_delay) <seconds>

[no] [ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_remote_ssl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_ssl)

[no] [cipher-suite](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_ssl_cipher-suite) {default | empty | name

<suite-name> [{before | after}

<existing-suite-name>]}

[no] [trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_rest-consumer_ssl_trusted-common-name) {empty | name <common-name>}

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_rest-delivery-point_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_ssl)

[server-certificate-validation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_ssl_server-certificate-validation)

[no] [enforce-trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_ssl_server-certificate-validation_enforce-trusted-common-name)

[no] [max-certificate-chain-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_ssl_server-certificate-validation_max-certificate-chain-depth) <max-depth>

[no] [validate-certificate-date](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_rest_ssl_server-certificate-validation_validate-certificate-date)

[semp-over-msgbus](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus)

[admin-cmds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_admin-cmds)

[client-cmds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_admin-cmds_client-cmds)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_admin-cmds_client-cmds_shutdown)

[distributed-cache-cmds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_admin-cmds_distributed-cache-cmds)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_admin-cmds_distributed-cache-cmds_shutdown)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_admin-cmds_shutdown)

[legacy-show-clear-cmds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_legacy-show-clear-cmds)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_legacy-show-clear-cmds_shutdown)

[show-cmds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_show-cmds)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_show-cmds_shutdown)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_semp-over-msgbus_shutdown)

[service](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service)

[mqtt](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt)

[no] [listen-port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_listen-port) <port> [ssl] [web]

[no] [max-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_max-connections) <value>

[plain-text](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_plain-text)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_plain-text_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_ssl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_ssl_shutdown)

[websocket](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_websocket)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_websocket_shutdown)

[websocket-secure](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_websocket-secure)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_mqtt_websocket-secure_shutdown)

[rest](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest)

[incoming](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_incoming)

[no] [listen-port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_incoming_listen-port) <port> [ssl]

[no] [max-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_incoming_max-connections) <value>

[plain-text](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_incoming_plain-text)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_incoming_plain-text_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_incoming_ssl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_incoming_ssl_shutdown)

[outgoing](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_outgoing)

[no] [max-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_rest_outgoing_max-connections) <value>

[smf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_smf)

[no] [max-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_smf_max-connections) <value>

[plain-text](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_smf_plain-text)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_smf_plain-text_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_smf_ssl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_smf_ssl_shutdown)

[web-transport](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_web-transport)

[no] [max-connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_web-transport_max-connections) <value>

[plain-text](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_web-transport_plain-text)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_web-transport_plain-text_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_web-transport_ssl)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_service_web-transport_ssl_shutdown)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_ssl)

[no] [allow-downgrade-to-plain-text](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_message-vpn_ssl_allow-downgrade-to-plain-text)

[no] [ntp-server](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ntp-server) <ip-addr>

[redundancy](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_redundancy)

[no] [auto-revert](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_redundancy_auto-revert)

[no] [mate-router-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_redundancy_mate-router-name) <name>

[no] [release-activity](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_redundancy_release-activity)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_redundancy_shutdown)

[no] [vrrp-vrid](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_redundancy_vrrp-vrid) <vrid> {primary | backup}

[replication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication)

[config-sync](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync)

[bridge](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge)

[authentication](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_authentication)

[auth-scheme](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_authentication_auth-scheme) {basic | client-certificate}

[no] [compressed-data](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_compressed-data)

[message-spool](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_message-spool)

[no] [window-size](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_message-spool_window-size) <number>

[no] [retry-delay](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_retry-delay) <seconds>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_shutdown)

[no] [ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_ssl)

[ssl-server-certificate-validation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_ssl-server-certificate-validation)

[no] [enforce-trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_ssl-server-certificate-validation_enforce-trusted-common-name)

[no] [max-certificate-chain-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_ssl-server-certificate-validation_max-certificate-chain-depth) <max-depth>

[no] [validate-certificate-date](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_config-sync_bridge_ssl-server-certificate-validation_validate-certificate-date)

[no] [interface](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_interface) <phys-intf>

[mate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_mate)

[no] [connect-port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_mate_connect-port) <port> [compressed] [ssl]

[no] [virtual-router-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_mate_virtual-router-name) <virtual-router-name> connect-via <addr>

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_ssl)

[no] [cipher-suite](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_ssl_cipher-suite) {default | empty | name <suite-name>

[{before | after} <existing-suite-name>]}

[no] [trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_replication_ssl_trusted-common-name) {empty | name <common-name>}

[no] [router-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_router-name) <name> [defer]

[routing](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing)

[cspf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf)

[create|no] [neighbor](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor) <physical-router-name>

[no] [compressed-data](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_compressed-data)

[no] [connect-via](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_connect-via) <ip-port>

[no] [control-port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_control-port) <port>

[no] [link-cost](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_link-cost) <cost>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_ssl)

[no] [cipher-suite](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_ssl_cipher-suite) {default | empty | name

<suite-name> [{before | after}

<existing-suite-name>]}

[no] [trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_ssl_trusted-common-name) {empty | name <common-name>}

[no] [ssl-data](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_ssl-data)

[tcp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp)

[no] [initial-cwnd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp_initial-cwnd) <num-mss>

[keepalive](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp_keepalive)

[no] [count](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp_keepalive_count) <num>

[no] [idle](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp_keepalive_idle) <seconds>

[no] [interval](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp_keepalive_interval) <seconds>

[no] [max-wnd](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp_max-wnd) <num-kilo-bytes>

[no] [mss](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_neighbor_tcp_mss) <byte-count>

[queue](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_queue)

[no] [max-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_queue_max-depth) <depth>

[no] [min-msg-burst](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_queue_min-msg-burst) <depth>

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_ssl)

[certificate-validation](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_ssl_certificate-validation)

[no] [enforce-trusted-common-name](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_ssl_certificate-validation_enforce-trusted-common-name)

[no] [max-certificate-chain-depth](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_ssl_certificate-validation_max-certificate-chain-depth) <max-depth>

[no] [validate-certificate-date](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_ssl_certificate-validation_validate-certificate-date)

[client-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_ssl_client-certificate)

[no] [certificate-file](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_cspf_ssl_client-certificate_certificate-file) <filename>

[no] [interface](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_interface) <phy-interface>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_routing_shutdown)

[schedule](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_schedule)

[no] [backup](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_schedule_backup) [days <days-of-week>] times

<times-of-day> [max-backups <max-backups>]

[service](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service)

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_event)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_event_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_event_connections_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[mqtt](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_mqtt)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_mqtt_shutdown)

[msg-backbone](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_msg-backbone)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_msg-backbone_shutdown)

[rest](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest)

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_event)

[outgoing](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_event_outgoing)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_event_outgoing_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_event_outgoing_connections_thresholds) {[set-value <set-value>]

[clear-value <clear-value>]

| [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[incoming](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_incoming)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_incoming_shutdown)

[outgoing](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_outgoing)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_rest_outgoing_shutdown)

[semp](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_semp)

[no] [listen-port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_semp_listen-port) <port> [ssl]

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_semp_shutdown) [ssl] [plain-text]

[smf](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_smf)

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_smf_event)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_smf_event_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_smf_event_connections_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[no] [listen-port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_smf_listen-port) <port> {[compressed] [routing-control]

| [ssl]}

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_smf_shutdown)

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_ssl)

[event](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_ssl_event)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_ssl_event_connections)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_ssl_event_connections_thresholds) {[set-value <set-value>] [clear-value

<clear-value>] | [set-percentage

<set-percentage>] [clear-percentage

<clear-percentage>]}

[web-transport](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_web-transport)

[no] [listen-port](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_web-transport_listen-port) <port> [ssl]

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_web-transport_shutdown)

[no] [web-url-suffix](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_service_web-transport_web-url-suffix) <suffix>

[no] [snmp-server](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server)

[no] [community](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_community) <name> group <group>

[no] [contact](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_contact) <name>

[no] [group](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_group) <name> {v2c | v3 {auth | noauth |

priv}}

[no] [host](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_host) <ip-addr> traps [{v2c | v3 {{auth |

noauth | priv} user <name>}}] [port

<port>] [community <community-name>]

[no] [location](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_location) <name>

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_shutdown)

[no] [trap](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap)

[connections](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_connections)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_connections_shutdown)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_connections_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[disk-utilization](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_disk-utilization) [disk <disk-name>]

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_disk-utilization_shutdown)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_disk-utilization_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[egress-msg-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_egress-msg-rate)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_egress-msg-rate_shutdown)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_egress-msg-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[fan-speed](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_fan-speed)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_fan-speed_shutdown)

[ingress-msg-rate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_ingress-msg-rate)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_ingress-msg-rate_shutdown)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_ingress-msg-rate_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[power-status](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_power-status)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_power-status_shutdown)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_shutdown)

[subscriptions](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_subscriptions)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_subscriptions_shutdown)

[no] [thresholds](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_subscriptions_thresholds) [set-value <set-value>] [clear-value

<clear-value>]

[temperature](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_temperature)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_temperature_shutdown)

[voltage](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_voltage)

[no] [shutdown](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_trap_voltage_shutdown)

[no] [user](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_snmp-server_user) <name> group <group> {password

<password>}

[ssl](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ssl)

[no] [allow-tls-version-1.0](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ssl_allow-tls-version-1.0)

[no] [server-certificate](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ssl_server-certificate) <filename>

[no] [tls-session-timeout](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_ssl_tls-session-timeout) <seconds>

[create|no] [syslog](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_syslog) <name>

[no] [facility](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_syslog_facility) {command | event | system}

[no] [host](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_syslog_host) <hostname-or-address> [transport {tcp | udp}]

[create|no] [username](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username) <name>

[change-password](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username_change-password) <password>

[global-access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username_global-access-level) <access-level>

[message-vpn](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username_message-vpn)

[create|no] [access-level-exception](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username_message-vpn_access-level-exception) <vpn-name>

[access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username_message-vpn_access-level-exception_access-level) <access-level>

[default-access-level](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username_message-vpn_default-access-level) <access-level>

[rename](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_configure_username_rename) <name>

[copy](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_copy) <source> <destination>

[delete](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_delete) <file>

[delete-load](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_delete-load) <version>

[disable](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_disable)

[disconnect](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_disconnect) sessionid <session-id>

[power-down](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_power-down)

[reload](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_reload) [default-config | config <config-file>]

[rename](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_rename) <old> <new>

[setup](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_setup)

[shell](https://docs.solace.com/CLI-Reference/CLI_Commands.html#Root_shell) <reason>

**admin**

COMMAND:

admin

DESCRIPTION:

Use this command to reach the Admin EXEC level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin bridge**

COMMAND:

bridge <bridge-name-pattern> message-vpn <vpn-name> [primary | backup]

DESCRIPTION:

Enter bridge admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<bridge-name-pattern> [1..300 chars] - bridge name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? primary - Only bridges of the primary virtual router. Default is both primary and backup. backup - Only bridges of the backup virtual router. Default is both primary and backup.

**admin bridge <bridge-name-pattern> message-vpn <vpn-name> clear-event**

COMMAND:

clear-event <event-name>

DESCRIPTION:

Clear the specified one shot event so that it can be generated anew.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<event-name> [string] - The name of the one shot event

EVENTS:

ttl-exceeded - time to live exceeded event

**admin bridge <bridge-name-pattern> message-vpn <vpn-name> disconnect**

COMMAND:

disconnect

DESCRIPTION:

Disconnect one or more bridges

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin client**

COMMAND:

client <name> message-vpn <vpn-name> [primary] [backup] [static]

DESCRIPTION:

Enter client admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..160 chars] - Client name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? primary - Only clients of the primary virtual router backup - Only clients of the backup virtual router static - Only clients of the static virtual router

**admin client <name> message-vpn <vpn-name> clear-event**

COMMAND:

clear-event <event-name>

DESCRIPTION:

Clear the specified one shot event so that it can be generated anew.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<event-name> [string] - The name of the one shot event large-message message-too-big parse-error max-eliding-topics

**admin client <name> message-vpn <vpn-name> disconnect**

COMMAND:

disconnect

DESCRIPTION:

Disconnect one or more clients

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin config-sync**

COMMAND:

config-sync [assert-master ... | resync-master ... | resync-slave ...]

DESCRIPTION:

Enter Config-Sync admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

assert-master - Assert ownership of the specified Config-Sync table, forcing any other master's content to be overwritten with our own. This command must be used whenever Config-Sync is originally enabled on an HA-pair, or when they fall out-of-sync. Config-Sync must be a master for the selected table. resync-master - Resync the selected table, forcing this master's content to be overwritten with that from another master. Config-Sync must be a master for the selected table. resync-slave - Resync the selected table, forcing this slave's content to be overwritten with that from a master. Config-Sync must be a slave for the selected table.

**admin config-sync assert-master**

COMMAND:

assert-master {router | message-vpn <vpn-name>}

DESCRIPTION:

Assert ownership of the specified Config-Sync table, forcing any other master's content to be overwritten with our own. This command must be used whenever Config-Sync is originally enabled on an HA-pair, or when they fall out-of-sync. Config-Sync must be a master for the selected table.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write Notes/Exceptions: global/rw is required to run this command with the router parameter.

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

router - Assert ownership for the router table message-vpn <vpn-name> [1..32 chars] - Assert ownership for the named message-vpn table; may contain wildcards \* or ?

**admin config-sync resync-master**

COMMAND:

resync-master {router | message-vpn <vpn-name>}

DESCRIPTION:

Resync the selected table, forcing this master's content to be overwritten with that from another master. Config-Sync must be a master for the selected table.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write Notes/Exceptions: global/rw is required to run this command with the router parameter.

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

router - Resync content for the router table message-vpn <vpn-name> [1..32 chars] - Resync content for the named message-vpn table; may contain wildcards \* or ?

**admin config-sync resync-slave**

COMMAND:

resync-slave message-vpn <vpn-name>

DESCRIPTION:

Resync the selected table, forcing this slave's content to be overwritten with that from a master. Config-Sync must be a slave for the selected table.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-vpn <vpn-name> [1..32 chars] - Resync content for the named message-vpn table; may contain wildcards \* or ?

**admin cspf**

COMMAND:

cspf [neighbor ...]

DESCRIPTION:

Enter cspf admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

neighbor - Enter neighbor admin mode

**admin cspf neighbor**

COMMAND:

neighbor <physical-router-name>

DESCRIPTION:

Enter neighbor admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<physical-router-name> [1..52 chars] - Physical router name of the neighbor; may contain wildcards \* and ?

**admin cspf neighbor <physical-router-name> clear-event**

COMMAND:

clear-event <event-name>

DESCRIPTION:

Clear the specified one shot event so that it can be generated anew.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<event-name> [string] - The name of the one shot event.

**admin delete-remote-router**

COMMAND:

delete-remote-router <router-name>

DESCRIPTION:

Delete remote router from the SMRP and/or Message Spool database and remove all subscriptions (persistent and non-persistent) received from it

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<router-name> [1..52 chars] - Router name; may contain wildcards \* and ?

**admin disk**

COMMAND:

disk

DESCRIPTION:

Enter disk admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin disk rebuild**

COMMAND:

rebuild

DESCRIPTION:

Trigger a disk rebuild after disk replacement

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin disk rebuild-speed**

COMMAND:

rebuild-speed {high | low}

DESCRIPTION:

Configure speed at which disk is rebuilt after disk replacement

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

high - Rebuild at high speed low - Rebuild at low speed (default)

**admin distributed-cache**

COMMAND:

distributed-cache <name> message-vpn <vpn-name>

DESCRIPTION:

Enter distributed-cache admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..200 chars] - The distributed-cache name. Must be a valid topic without hierarchy, whitespace, or ?. message-vpn <vpn-name> [1..32 chars] - The Message VPN name.

**admin distributed-cache <name> message-vpn <vpn-name> backup-cached-messages**

COMMAND:

backup-cached-messages cache-instance <instance-name> [{file <filename>} | cancel]

DESCRIPTION:

Backup cached messages of the selected cache-instance to disk

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

cache-instance <instance-name> [1..200 chars] - The cache-instance name. Must be a valid topic without hierarchy, whitespace, or ?. file <filename> [1..255 chars] - Filename for backup/restore of cached messages cancel - Cancel the backup/restore operation currently in progress

**admin distributed-cache <name> message-vpn <vpn-name> clear-event**

COMMAND:

clear-event <event-name> [cache-cluster <cluster-name>] [cache-instance <instance-name>]

DESCRIPTION:

Clear an event of selected cache-instances

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<event-name> [lost-message] - Name of the event, or ? cache-cluster <cluster-name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? cache-instance <instance-name> [1..200 chars] - Cache-instance name, can contain wildcards \* or ?

EVENTS:

lost-message - clear the lost-message event

**admin distributed-cache <name> message-vpn <vpn-name> delete-messages**

COMMAND:

delete-messages <topic> [cache-cluster <cluster-name>] [cache-instance <instance-name>]

DESCRIPTION:

Delete message contents covered by given topic in selected cache-instances

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<topic> [1..250 chars] - Delete messages covered by this topic cache-cluster <cluster-name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? cache-instance <instance-name> [1..200 chars] - Cache-instance name, can contain wildcards \* or ?

**admin distributed-cache <name> message-vpn <vpn-name> restore-cached-messages**

COMMAND:

restore-cached-messages cache-instance <instance-name> [{file <filename>} | cancel]

DESCRIPTION:

Restore cached messages for the selected cache-instance from disk

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

cache-instance <instance-name> [1..200 chars] - The cache-instance name. Must be a valid topic without hierarchy, whitespace, or ?. file <filename> [1..255 chars] - Filename for backup/restore of cached messages cancel - Cancel the backup/restore operation currently in progress

**admin distributed-cache <name> message-vpn <vpn-name> start**

COMMAND:

start [cache-cluster <cluster-name>] [cache-instance <instance-name>]

DESCRIPTION:

Start selected cache instances

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

cache-cluster <cluster-name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? cache-instance <instance-name> [1..200 chars] - Cache-instance name, can contain wildcards \* or ?

**admin gather-diagnostics**

COMMAND:

gather-diagnostics [days-of-history <days-of-history>]

DESCRIPTION:

Gather a number of diagnostic files and command output into a single diagnostics file

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

days-of-history <days-of-history> [1..65535] - Number of days of history that should be gathered for diagnostics. Default is 1.

**admin interface**

COMMAND:

interface <phy-interface>

DESCRIPTION:

Enter interface admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<phy-interface> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1"

**admin interface <phy-interface> switch-active**

COMMAND:

switch-active

DESCRIPTION:

switch active link

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin message-spool**

COMMAND:

message-spool message-vpn <vpn-name>

DESCRIPTION:

Enter message spool admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-vpn <vpn-name> [1..32 chars] - Message VPN the message-spool belongs to

**admin message-spool message-vpn <vpn-name> commit-transaction**

COMMAND:

commit-transaction xid <xid>

DESCRIPTION:

Commit the transaction identified by the XID. The transaction is heuristically committed and thus is not deleted upon completing the commit. To delete, use the delete-transaction command.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

xid <xid> [1..266 chars] - XID; may contain wildcards \* or ?

**admin message-spool message-vpn <vpn-name> delete-messages**

COMMAND:

delete-messages {{queue <queue-name>} | {topic-endpoint <te-name>}} [message <msg-id> [to <to-msg-id>]]

DESCRIPTION:

Delete spooled messages

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

queue <queue-name> [1..200 chars] - Queue name; may contain wildcards \* or ? topic-endpoint <te-name> [string] - Topic-endpoint name; may contain wildcards \* or ? message <msg-id> [1..18446744073709551615] - Message id to be deleted to <to-msg-id> [1..18446744073709551615] - End of range of message ids to be deleted

**admin message-spool message-vpn <vpn-name> delete-transacted-session**

COMMAND:

delete-transacted-session <name>

DESCRIPTION:

Delete the transacted-session identified by the name. The client that is connected to the session is disconnected, and all transactions associated with the session are rolled back and deleted.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..63 chars] - Transacted session name; may contain wildcards \* or ?

**admin message-spool message-vpn <vpn-name> delete-transaction**

COMMAND:

delete-transaction xid <xid>

DESCRIPTION:

Delete the transaction identified by the XID. The transaction must be in the Heuristically Completed state.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

xid <xid> [1..266 chars] - XID; may contain wildcards \* or ?

**admin message-spool message-vpn <vpn-name> rollback-transaction**

COMMAND:

rollback-transaction xid <xid>

DESCRIPTION:

Rollback the transaction identified by the XID. The transaction is heuristically rolled back and thus is not deleted upon completing the rollback. To delete, use the delete-transaction command.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

xid <xid> [1..266 chars] - XID; may contain wildcards \* or ?

**admin message-spool message-vpn <vpn-name> sequenced-topic**

COMMAND:

sequenced-topic <topic> next-sequence-number <seq-num>

DESCRIPTION:

Set the next sequence number for the sequenced topic

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<topic> [1..250 chars] - Topic for applying sequence numbers next-sequence-number <seq-num> [1..9223372036854775807] - Next sequence number for the sequenced topic

**admin product-key**

COMMAND:

product-key <key-value> no product-key <key-value>

DESCRIPTION:

Configure a product key to unlock feature content

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<key-value> [40..255 chars] - Product key value

**admin redundancy**

COMMAND:

redundancy [revert-activity]

DESCRIPTION:

Enter redundancy mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

revert-activity - Force backup router to give up activity if primary router is ready to provide service

**admin redundancy revert-activity**

COMMAND:

revert-activity

DESCRIPTION:

Force backup router to give up activity if primary router is ready to provide service

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin system**

COMMAND:

system [message-spool]

DESCRIPTION:

Enter system admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-spool - Enter message-spool admin mode

**admin system message-spool**

COMMAND:

message-spool [assert-disk-ownership | backup-adb-to-disk | defragment-spool-files ... | max-message-count ... | next-message-id ... | override-flash-failure | reset ...]

DESCRIPTION:

Enter message-spool admin mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

assert-disk-ownership - Assert ownership over the message-spool external disk backup-adb-to-disk - Backup the contents of the ADB to disk. This command is for upgrading or replacing the ADB hardware only. A reboot is required to restore the backup onto newly installed ADB hardware. Enable the message-spool to remove the saved backup and cancel the restore. defragment-spool-files - Start a spool file defagmentation run max-message-count - Sets the maximum number of Guaranteed messages that can be spooled. By default, this parameter will be set to the maximum value supported by the hardware platform. If appliance redundancy is used, it is necessary to change this parameter to a lower value if the mate hardware platform in the redundant pair is not capable of supporting the same maximum value. next-message-id - Set the message-id to be assigned to the next message that is spooled. This should be done immediately after the message spool has been reset. override-flash-failure - Override failure of ADB to restore from flash. This command is only used when the event log 'ADB failed to restore image from flash' is seen and the Flash Card State is 'Restore Failed'. It allows temporary operation of the message-spool with a failed ADB/flash until a replacement is installed. This operational state introduces the risk of losing guaranteed messages. reset - A message spool reset will delete all spooled messages for all endpoints and reset the system-level message spool back to its default configuration state.

**admin system message-spool assert-disk-ownership**

COMMAND:

assert-disk-ownership

DESCRIPTION:

Assert ownership over the message-spool external disk

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin system message-spool backup-adb-to-disk**

COMMAND:

backup-adb-to-disk

DESCRIPTION:

Backup the contents of the ADB to disk. This command is for upgrading or replacing the ADB hardware only. A reboot is required to restore the backup onto newly installed ADB hardware. Enable the message-spool to remove the saved backup and cancel the restore.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin system message-spool defragment-spool-files**

COMMAND:

defragment-spool-files {start | stop}

DESCRIPTION:

Start a spool file defagmentation run

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

start - initiate spool file defragmentation operation stop - halt the spool file defragmentation operation

**admin system message-spool max-message-count**

COMMAND:

max-message-count <max-message-count>

DESCRIPTION:

Sets the maximum number of Guaranteed messages that can be spooled. By default, this parameter will be set to the maximum value supported by the hardware platform. If appliance redundancy is used, it is necessary to change this parameter to a lower value if the mate hardware platform in the redundant pair is not capable of supporting the same maximum value.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<max-message-count> [1000 | 3000 | 10000] - Maximum number of million messages that can be spooled

**admin system message-spool next-message-id**

COMMAND:

next-message-id <message-id>

DESCRIPTION:

Set the message-id to be assigned to the next message that is spooled. This should be done immediately after the message spool has been reset.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<message-id> [1..18446744073709551615] - The message-id assigned to the next spooled message.

**admin system message-spool override-flash-failure**

COMMAND:

override-flash-failure

DESCRIPTION:

Override failure of ADB to restore from flash. This command is only used when the event log 'ADB failed to restore image from flash' is seen and the Flash Card State is 'Restore Failed'. It allows temporary operation of the message-spool with a failed ADB/flash until a replacement is installed. This operational state introduces the risk of losing guaranteed messages.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**admin system message-spool reset**

COMMAND:

reset [full]

DESCRIPTION:

A message spool reset will delete all spooled messages for all endpoints and reset the system-level message spool back to its default configuration state.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

full - including reset the message-id assigned to the next spooled message.

**alarm-display**

COMMAND:

[no] alarm-display

DESCRIPTION:

Use this command to enable the display of 3200 Series appliance system alarms in the current CLI session on a session-by-session basis. The no version disables the displaying of appliance system alarms in the current CLI session.

The default value is no alarm-display.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**backup**

COMMAND:

backup

DESCRIPTION:

Use this command to immediately create a manual local backup of your configuration database file on the router.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**boot**

COMMAND:

boot {<version> [default-config] | backout}

DESCRIPTION:

Use this command to upgrade or downgrade the appliance software to a new or old SolOS software load and activate it, or to revert to and run the previous SolOS software version that was running before the last upgrade.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<version> [string] - Load version to boot to default-config - Boots the appliance to a default configuration. backout - Revert to previous load.

**cd**

COMMAND:

cd [<directory>]

DESCRIPTION:

Use this command to change the current working directory on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<directory> [0..255 chars] - directory to change to. If no directory is specified the root ('/') directory is assumed

**clear bridge**

COMMAND:

clear bridge <bridge-name-pattern> message-vpn <vpn-name> [primary | backup] stats

DESCRIPTION:

Clear the statistics for one or more bridges.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<bridge-name-pattern> [string] - bridge name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? primary - Only bridges of the primary virtual router. Default is both primary and backup. backup - Only bridges of the backup virtual router. Default is both primary and backup. stats - Specify this keyword to clear statistics.

**clear cache-instance**

COMMAND:

clear cache-instance <name> [cache-cluster <cluster-name>] [distributed-cache <cache-name>] [message-vpn <vpn-name>] stats

DESCRIPTION:

Clear statistics for one or more cache-instances.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? cache-cluster <cluster-name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? distributed-cache <cache-name> [1..200 chars] - Distributed-cache name, can contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats - Clears cache-instance statistics

**clear client**

COMMAND:

clear client <name> [message-vpn <vpn-name>] [primary] [backup] [static] stats

DESCRIPTION:

Clear statistics for one or more clients.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..160 chars] - Client name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? primary - If specified, clients associated with the primary virtual router will be cleared. backup - If specified, clients associated with the backup virtual router will be cleared. static - If specified, clients associated with the static virtual router will be cleared. stats

**clear client-username**

COMMAND:

clear client-username <name> [message-vpn <vpn-name>] stats

DESCRIPTION:

Clear statistics for one or more client-usernames.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..189 chars] - Client name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats

**clear compression**

COMMAND:

clear compression stats

DESCRIPTION:

Clear statistics for compression.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

stats

**clear cspf**

COMMAND:

clear cspf {neighbor ... | stats}

DESCRIPTION:

Clear specified CSPF information.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

neighbor - Clear statistics related to neighbors stats - Clear statistics related to the CSPF protocol

**clear ldap-profile**

COMMAND:

clear ldap-profile <profile-name> stats

DESCRIPTION:

Clear ldap-profile statistics for one or all profiles.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<profile-name> [1..32 chars] - LDAP profile name. May contain wildcards \* and ?. stats

**clear log**

COMMAND:

clear log {acl ... | no-subscription-match | rest ...}

DESCRIPTION:

Clear logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

acl - Clear ACL logs. no-subscription-match - Clear no-subscription-match logs. rest - Clear REST logs.

**clear message-spool**

COMMAND:

clear message-spool stats

DESCRIPTION:

Clear message-spool statistics.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

stats - Clear message-spool statistics

**clear message-vpn**

COMMAND:

clear message-vpn <vpn-name> {stats | message-spool-stats | replication-stats | service-stats | {rest {{rest-delivery-point <rdp-name>} | {rest-consumer <rest-consumer-name> [rest-delivery-point <rdp-name>]}} stats} | {mqtt {mqtt-session <client-id-pattern>} stats}}

DESCRIPTION:

Clear statistics for one or more Message VPNs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats - Clears the statistics for the specified Message VPN message-spool-stats - Clear message-spool statistics. replication-stats - Clear replication statistics. service-stats - Clear SMF service statistics for Message VPN. rest - REST related clear commands rest-delivery-point <rdp-name> [string] - The pattern that filters the RDP selected. May contain wildcards \* and ?. rest-consumer <rest-consumer-name> [string] - The pattern that filters the REST consumer selected. May contain wildcards \* and ?. rest-delivery-point <rdp-name> [string] - The pattern that filters the RDP selected. May contain wildcards \* and ?. stats - Specify this keyword to clear REST Delivery Point statistics. mqtt - MQTT related clear commands mqtt-session <client-id-pattern> [string] - The pattern that filters the mqtt-session selected. May contain wildcards \* and ?. stats - Specify this keyword to clear MQTT statistics.

**clear queue**

COMMAND:

clear queue <name> [message-vpn <vpn-name>] stats

DESCRIPTION:

Clear statistics for one or more queues.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..200 chars] - Queue name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats - Clears the statistics for the specified queue.

**clear radius-profile**

COMMAND:

clear radius-profile <profile-name> stats

DESCRIPTION:

Clear radius-profile statistics for one or all profiles.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<profile-name> [1..32 chars] - Radius profile name. May contain wildcards \* and ?. stats

**clear replication**

COMMAND:

clear replication stats

DESCRIPTION:

Clear the global replication statistics.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

stats - Clear stats.

**clear smrp**

COMMAND:

clear smrp stats [router-name [<router-name>]]

DESCRIPTION:

Clear SMRP statistics. Global statistics across all router names are cleared if no router-name is specified, otherwise router-name specific statistics are cleared.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

stats router-name <router-name> [1..52 chars] - Router name; may contain wildcards \* and ?

**clear snmp**

COMMAND:

clear snmp stats

DESCRIPTION:

Clear SNMP statistics.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

stats - Clear SNMP statistics

**clear stats**

COMMAND:

clear stats {client | neighbor | ssl}

DESCRIPTION:

Clear global level statistics.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

client - Clear global level statistics for clients. Also clears individual client stats. neighbor - Clear global level statistics for neighbors. Also clears individual neighbor stats. ssl - Clear global level statistics related to SSL.

**clear topic-endpoint**

COMMAND:

clear topic-endpoint <name> [message-vpn <vpn-name>] stats

DESCRIPTION:

Clear statistics for one or more topic-endpoints.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [string] - Topic-endpoint name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats - Clears the statistics for the specified topic-endpoint.

**configure**

COMMAND:

configure

DESCRIPTION:

Use this command to reach the Global CONFIG level by entering configure from the privileged EXEC level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

**configure acl-profile**

COMMAND:

acl-profile <name> message-vpn <vpn-name> create acl-profile <name> message-vpn <vpn-name> [allow-client-connect] [allow-publish-topic] [allow-subscribe-topic] no acl-profile <name> message-vpn <vpn-name>

DESCRIPTION:

Use this command to create and configure ACL client profiles for publishing and subscription topic access control on appliances.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - ACL profile name message-vpn <vpn-name> [1..32 chars] - Message VPN the ACL profile belongs to allow-client-connect - Set default-action for a client connect attempt. Default disallow. allow-publish-topic - Set default-action for publishing. Default disallow. allow-subscribe-topic - Set default-action for subscribing. Default disallow.

**configure acl-profile <name> message-vpn <vpn-name> client-connect**

COMMAND:

client-connect [default-action ... | exception ...]

DESCRIPTION:

Configure client-connect access controls

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

default-action - The default action to take when a client connects. [no] exception - Set exceptions to the default action for client connection access attempts

**configure acl-profile <name> message-vpn <vpn-name> client-connect default-action**

COMMAND:

default-action {allow | disallow}

DESCRIPTION:

The default action to take when a client connects.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

allow - Allow client connection unless an exception is found for it. disallow - Disallow client connection unless an exception is found for it.

**configure acl-profile <name> message-vpn <vpn-name> client-connect exception**

COMMAND:

exception <cidr-addr> no exception <cidr-addr>

DESCRIPTION:

Set exceptions to the default action for client connection access attempts

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<cidr-addr> [nnn.nnn.nnn.nnn/dd] - IP address/Netmask combination in CIDR form

**configure acl-profile <name> message-vpn <vpn-name> publish-topic**

COMMAND:

publish-topic [default-action ... | exceptions ...]

DESCRIPTION:

Configure publish-topic access controls

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

default-action - The default action to take when a client publishes to a topic. [no] exceptions - Configure publishing topic exceptions to set exceptions to the default action for publishing topic access attempts

**configure acl-profile <name> message-vpn <vpn-name> publish-topic default-action**

COMMAND:

default-action {allow | disallow}

DESCRIPTION:

The default action to take when a client publishes to a topic.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

allow - Allow topic unless an exception is found for it. disallow - Disallow topic unless an exception is found for it.

**configure acl-profile <name> message-vpn <vpn-name> publish-topic exceptions**

COMMAND:

exceptions [smf | mqtt] list <exception-list> no exceptions [smf | mqtt] list <exception-list>

DESCRIPTION:

Configure publishing topic exceptions to set exceptions to the default action for publishing topic access attempts

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

smf - Exception list uses SMF topic syntax mqtt - Exception list uses MQTT topic syntax list <exception-list> [[<topic>[1..250 chars]]\*] - List of exceptions

**configure acl-profile <name> message-vpn <vpn-name> subscribe-topic**

COMMAND:

subscribe-topic [default-action ... | exceptions ...]

DESCRIPTION:

Configure subscribe-topic access controls

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

default-action - The default action to take when a client subscribes to a topic. [no] exceptions - Configure subscription topic exceptions to set exceptions to the default action for subscription topic access attempts

**configure acl-profile <name> message-vpn <vpn-name> subscribe-topic default-action**

COMMAND:

default-action {allow | disallow}

DESCRIPTION:

The default action to take when a client subscribes to a topic.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

allow - Allow topic unless an exception is found for it. disallow - Disallow topic unless an exception is found for it.

**configure acl-profile <name> message-vpn <vpn-name> subscribe-topic exceptions**

COMMAND:

exceptions [smf | mqtt] list <exception-list> no exceptions [smf | mqtt] list <exception-list>

DESCRIPTION:

Configure subscription topic exceptions to set exceptions to the default action for subscription topic access attempts

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

smf - Exception list uses SMF topic syntax mqtt - Exception list uses MQTT topic syntax list <exception-list> [[<topic>[1..250 chars]]\*] - List of exceptions

**configure authentication**

COMMAND:

authentication [allow-direct-shell-login ... | kerberos | ldap-profile ... | radius-profile ... | replace-duplicate-client-connections | trusted-root ... | user-class ...]

DESCRIPTION:

Use this command to configure authentication on appliances.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] allow-direct-shell-login - Use this command to allow direct access to the SolOS shell from the login prompt. The no version of this command disallows the direct shell access. kerberos - Configure Kerberos Authentication. [create|no] ldap-profile - Create, edit and delete LDAP profiles. [create|no] radius-profile - Create, edit and delete RADIUS profiles. [no] replace-duplicate-client-connections - Specifies whether new connections with the same client name as an existing connection replaces the existing connection or is rejected. "no" version of the command prevents replacement of duplicate client connections. [no] trusted-root - Manage trusted root certificates. user-class - Configure authentication for a given user class.

**configure authentication allow-direct-shell-login**

COMMAND:

allow-direct-shell-login <shell-login-name> no allow-direct-shell-login <shell-login-name>

DESCRIPTION:

Use this command to allow direct access to the SolOS shell from the login prompt. The no version of this command disallows the direct shell access.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<shell-login-name> [1..32 chars] - Any valid SolOS shell user.

**configure authentication kerberos**

COMMAND:

kerberos [keytab]

DESCRIPTION:

Configure Kerberos Authentication.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

keytab - Configure Kerberos keytab entries.

**configure authentication kerberos keytab**

COMMAND:

keytab [add-key ... | delete-keytab-entry ...]

DESCRIPTION:

Configure Kerberos keytab entries.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

add-key - Add a Kerberos key to the appliance keytab store. delete-keytab-entry - Delete a Kerberos key from the appliance keytab store.

**configure authentication kerberos keytab add-key**

COMMAND:

add-key <keytab-filename> [index <index>]

DESCRIPTION:

Add a Kerberos key to the appliance keytab store.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<keytab-filename> [0..117 chars] - Kerberos keytab file used to get the key from. index <index> [1..65535] - Index of the key in the keytab file.

**configure authentication kerberos keytab delete-keytab-entry**

COMMAND:

delete-keytab-entry <index>

DESCRIPTION:

Delete a Kerberos key from the appliance keytab store.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<index> [1..65535] - Index of the key in the keytab store.

**configure authentication ldap-profile**

COMMAND:

ldap-profile <profile-name> create ldap-profile <profile-name> no ldap-profile <profile-name>

DESCRIPTION:

Create, edit and delete LDAP profiles.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<profile-name> [1..32 chars] - LDAP profile name.

**configure authentication ldap-profile <profile-name> admin**

COMMAND:

admin dn <admin-dn> [password <admin-password>]

DESCRIPTION:

Configure the appliance's credentials when connecting to an LDAP server in this profile.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

dn <admin-dn> [0..1024 chars] - The distinguished name to bind as. password <admin-password> [0..128 chars] - The password to provide during the bind.

**configure authentication ldap-profile <profile-name> allow-unauthenticated-authentication**

COMMAND:

[no] allow-unauthenticated-authentication

DESCRIPTION:

This command allows clients connecting to the appliance without passwords to have those empty passwords forwarded to the LDAP server(s) for authentication. By disabling this attribute the login attempt is immediately rejected by the appliance without consulting the LDAP server. Important: Unauthenticated authentication permits password-less logins for all users of this profile if such authentications are also permitted by the LDAP server. As such enabling this attibute can result in a significant security hole.

The default value is no allow-unauthenticated-authentication.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication ldap-profile <profile-name> group-membership-secondary-search**

COMMAND:

group-membership-secondary-search [base-dn ... | deref ... | filter ... | filter-attribute-from-primary-search ... | follow-continuation-references | scope ... | shutdown | timeout ...]

DESCRIPTION:

Configure the group membership secondary search parameters.

The intent for this search is to indirectly determine the groups the user belongs to. The "group-membership-attribute-name" is not used when this feature is enabled.

An LDAP (primary) search is performed using the settings under the LDAP profile "search" tree, based on the attribute "filter-attribute-from-primary-search" from LDAP profile "group-membership-secondary-search". The attribute value returned is stored in the variable "$ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH". A secondary search based on the settings from "group-membership-secondary-search" is then performed, with a filter usually based on "$ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH". The secondary search yields the distinguished names for the groups the user belongs to, as the values for the attribute named "dn".

Note: The group membership secondary search applies to CLI users only. This feature regardless of its configuration is not applicable to client users. The authentication/authorization for client users is solely done against the configuration from primary search.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

base-dn - Sets the base node for searches. deref - Configure the dereferencing behavior of searches. filter - Sets the templated filter used to locate individual users in the directory service. filter-attribute-from-primary-search - The name of the attribute that should be retrieved from the LDAP server as part of the primary search. The value of the attribute can be accessed through variable '$ATTRIBUTE\_VALUE\_FROM\_PRIMA RY\_SEARCH'; usually used as a filter on the secondary search. [no] follow-continuation-references - Enable or disable the following of continuation references. scope - Configure the scope of directory searches. [no] shutdown - This command disables the group membership secondary search. The [no] version of this command enables the group membership secondary search. When this feature is enabled the groups the user belongs to are determined indirectly, in a two stage search process. During this search, the "group-membership-attribute- name" is ignored. An LDAP (primary) search is performed using the settings under the LDAP profile "search" tree, based on the attribute "filter-attribute-from-prima ry-search" from LDAP profile "group-membership-secondary- search". The attribute value returned is stored in the variable "$ATTRIBUTE\_VALUE\_FROM\_PRIMA RY\_SEARCH". A secondary search based on the settings from "group-membership-secondary- search" is then performed, with a filter usually based on "$ATTRIBUTE\_VALUE\_FROM\_PRIMA RY\_SEARCH". The secondary search yields the distinguished names for the groups the user belongs to, as the values for the attribute named "dn". Note: The group membership secondary search applies to CLI users only. This feature regardless of its configuration is not applicable to client users. The authentication/authorization for client users is solely done against the configuration from primary search. timeout - Configure the search timeout. This is the amount of time the LDAP server has to complete a search request.

**configure authentication ldap-profile <profile-name> group-membership-secondary-search base-dn**

COMMAND:

base-dn <distinguished-name>

DESCRIPTION:

Sets the base node for searches.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<distinguished-name> [0..1024 chars] - Distinguished name that identifies the base node where searches should begin. Example: "ou=software,dc=solacesystems,dc=c om"

**configure authentication ldap-profile <profile-name> group-membership-secondary-search deref**

COMMAND:

deref {never | search | base | always}

DESCRIPTION:

Configure the dereferencing behavior of searches.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

never - Don't dereference aliases. search - Only dereference aliases when searching. base - Only dereference alias when locating the base node. always - Always dereference aliases. Default setting.

**configure authentication ldap-profile <profile-name> group-membership-secondary-search filter**

COMMAND:

filter <filter>

DESCRIPTION:

Sets the templated filter used to locate individual users in the directory service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<filter> [0..1024 chars] - The filter to be used to locate user entries in a directory service. The following substitution variables can be added to the filter: $CLIENT\_USERNAME $ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH Substitution variables are recognized by the appliance and are substituted with the client's relevant information. Note that for CLI users, $CLIENT\_USERNAME will be replaced by the CLI username. Also note that $VPN\_NAME is a reserved substitution variable and will be replaced by an empty string. Example of filter using substitution variable: "(member=$ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH) "

**configure authentication ldap-profile <profile-name> group-membership-secondary-search filter-attribute-from-primary-search**

COMMAND:

filter-attribute-from-primary-search <attribute-name>

DESCRIPTION:

The name of the attribute that should be retrieved from the LDAP server as part of the primary search. The value of the attribute can be accessed through variable '$ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH'; usually used as a filter on the secondary search.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<attribute-name> [0..64 chars] - LDAP attribute name.

**configure authentication ldap-profile <profile-name> group-membership-secondary-search follow-continuation-references**

COMMAND:

[no] follow-continuation-references

DESCRIPTION:

Enable or disable the following of continuation references.

The default value is follow-continuation-references.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication ldap-profile <profile-name> group-membership-secondary-search scope**

COMMAND:

scope {base | one-level | subtree}

DESCRIPTION:

Configure the scope of directory searches.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

base - Search only the base node. one-level - Search only 1 level deep. subtree - Search the entire subtree. Default setting.

**configure authentication ldap-profile <profile-name> group-membership-secondary-search shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

This command disables the group membership secondary search. The [no] version of this command enables the group membership secondary search.

When this feature is enabled the groups the user belongs to are determined indirectly, in a two stage search process. During this search, the "group-membership-attribute-name" is ignored.

An LDAP (primary) search is performed using the settings under the LDAP profile "search" tree, based on the attribute "filter-attribute-from-primary-search" from LDAP profile "group-membership-secondary-search". The attribute value returned is stored in the variable "$ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH". A secondary search based on the settings from "group-membership-secondary-search" is then performed, with a filter usually based on "$ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH". The secondary search yields the distinguished names for the groups the user belongs to, as the values for the attribute named "dn".

Note: The group membership secondary search applies to CLI users only. This feature regardless of its configuration is not applicable to client users. The authentication/authorization for client users is solely done against the configuration from primary search.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication ldap-profile <profile-name> group-membership-secondary-search timeout**

COMMAND:

timeout <duration>

DESCRIPTION:

Configure the search timeout. This is the amount of time the LDAP server has to complete a search request.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<duration> [1..20] - The number of seconds a LDAP server has to complete a search. If the search times out, then the client's authentication attempt fails.

**configure authentication ldap-profile <profile-name> ldap-server**

COMMAND:

ldap-server <ldap-host> index <server-index> no ldap-server {<ldap-host> | index <server-index>}

DESCRIPTION:

Configures or removes LDAP servers in a given LDAP profile.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<ldap-host> [8..256 chars] - LDAP host. Examples: ldap://ldap.solacesystems.com ldap://192.168.123.4:389 ldap://ldap.solacesystems.com:389 index <server-index> [1..3] - A positive integer indicating server preference. A value of "1" indicates first choice, "2" indicates second choice, etc. Up to a maximum of "3".

**configure authentication ldap-profile <profile-name> search**

COMMAND:

search [base-dn ... | deref ... | filter ... | follow-continuation-references | scope ... | timeout ...]

DESCRIPTION:

Configure search parameters.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

base-dn - Sets the base node for searches. deref - Configure the dereferencing behavior of searches. filter - Sets the templated filter used to locate individual users in the directory service. [no] follow-continuation-references - Enable or disable the following of continuation references. scope - Configure the scope of directory searches. timeout - Configure the search timeout. This is the amount of time the LDAP server has to complete a search request.

**configure authentication ldap-profile <profile-name> search base-dn**

COMMAND:

base-dn <distinguished-name>

DESCRIPTION:

Sets the base node for searches.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<distinguished-name> [0..1024 chars] - Distinguished name that identifies the base node where searches should begin. Example: "ou=software,dc=solacesystems,dc=c om"

**configure authentication ldap-profile <profile-name> search deref**

COMMAND:

deref {never | search | base | always}

DESCRIPTION:

Configure the dereferencing behavior of searches.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

never - Don't dereference aliases. search - Only dereference aliases when searching. base - Only dereference alias when locating the base node. always - Always dereference aliases. Default setting.

**configure authentication ldap-profile <profile-name> search filter**

COMMAND:

filter <filter>

DESCRIPTION:

Sets the templated filter used to locate individual users in the directory service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<filter> [0..1024 chars] - The filter to be used to locate user entries in a directory service. The following substitution variables can be added to the filter: $CLIENT\_USERNAME $VPN\_NAME Substitution variables are recognized by the appliance and are substituted with the client's relevant information. Examples of filters using substitution variables: "(&(cn=$CLIENT\_USERNAME)(ou=$VPN\_NAME)" "(cn=$CLIENT\_USERNAME)"

**configure authentication ldap-profile <profile-name> search follow-continuation-references**

COMMAND:

[no] follow-continuation-references

DESCRIPTION:

Enable or disable the following of continuation references.

The default value is follow-continuation-references.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication ldap-profile <profile-name> search scope**

COMMAND:

scope {base | one-level | subtree}

DESCRIPTION:

Configure the scope of directory searches.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

base - Search only the base node. one-level - Search only 1 level deep. subtree - Search the entire subtree. Default setting.

**configure authentication ldap-profile <profile-name> search timeout**

COMMAND:

timeout <duration>

DESCRIPTION:

Configure the search timeout. This is the amount of time the LDAP server has to complete a search request.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<duration> [1..20] - The number of seconds a LDAP server has to complete a search. If the search times out, then the client's authentication attempt fails.

**configure authentication ldap-profile <profile-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enables or disables this profile. Invoking "shutdown" disables the profile. Invoking "no shutdown" enables the profile. Note: While the LDAP profile is shutdown, all users attempting to authenticate using this profile fail to authenticate.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication ldap-profile <profile-name> tls**

COMMAND:

[no] tls

DESCRIPTION:

Enables or disables TLS for this profile.

The default value is no tls.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication radius-profile**

COMMAND:

radius-profile <profile-name> create radius-profile <profile-name> no radius-profile <profile-name>

DESCRIPTION:

Create, edit and delete RADIUS profiles.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<profile-name> [1..32 chars] - Radius profile name.

**configure authentication radius-profile <profile-name> radius-server**

COMMAND:

radius-server <ip-port> index <server-index> [key <shared-secret-key>] no radius-server {<ip-port> | index <server-index>}

DESCRIPTION:

Configures or removes RADIUS servers in a given RADIUS profile.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<ip-port> [ip[:port]] - IP address and port. Ex. 192.1.2.3:12345 192.1.2.3 index <server-index> [1..3] - Priority index for the server. Default: next available index key <shared-secret-key> [0..64 chars] - The shared secret between the appliance and the radius server

**configure authentication radius-profile <profile-name> retransmit**

COMMAND:

retransmit <attempts>

DESCRIPTION:

Sets the number of times to retry a request.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<attempts> [1..10] - The number of attempts to retry a request.

**configure authentication radius-profile <profile-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enables or disables this profile. Invoking "shutdown" disables the profile. Invoking "no shutdown" enables the profile. Note: While the RADIUS profile is shutdown, all users attempting to authenticate using this profile fail to authenticate.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication radius-profile <profile-name> timeout**

COMMAND:

timeout <duration>

DESCRIPTION:

Sets the time to wait before retrying a request.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<duration> [1..10] - The time in seconds to wait.

**configure authentication replace-duplicate-client-connections**

COMMAND:

[no] replace-duplicate-client-connections

DESCRIPTION:

Specifies whether new connections with the same client name as an existing connection replaces the existing connection or is rejected. "no" version of the command prevents replacement of duplicate client connections.

The default value is replace-duplicate-client-connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure authentication trusted-root**

COMMAND:

trusted-root file <ca-certificate> no trusted-root file <ca-certificate>

DESCRIPTION:

Manage trusted root certificates.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

file <ca-certificate> [1..128 chars] - The CA certificate file.

**configure authentication user-class**

COMMAND:

user-class cli

DESCRIPTION:

Configure authentication for a given user class.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

cli - CLI users

**configure authentication user-class cli access-level**

COMMAND:

access-level [default | ldap]

DESCRIPTION:

Enter sub-mode to configure parameters related to CLI access levels.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] default - Enter sub-mode to configure the default access level for CLI users when external authentication server does not specify it. [create|no] ldap - Enter sub-mode to configure how the access level is derived for CLI users when authenticating with LDAP.

**configure authentication user-class cli access-level default**

COMMAND:

default [global-access-level ... | message-vpn]

DESCRIPTION:

Enter sub-mode to configure the default access level for CLI users when external authentication server does not specify it.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

global-access-level - Set the global-scope access-level of a CLI username. [create|no] message-vpn - Enter sub-mode to configure the access level at Message VPN level for CLI users.

**configure authentication user-class cli access-level default global-access-level**

COMMAND:

global-access-level <access-level>

DESCRIPTION:

Set the global-scope access-level of a CLI username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write | admin] - CLI global access level

**configure authentication user-class cli access-level default message-vpn**

COMMAND:

message-vpn [access-level-exception ... | default-access-level ...]

DESCRIPTION:

Enter sub-mode to configure the access level at Message VPN level for CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] access-level-exception - The 'create' version of this command creates a new vpn-scope access-level exception which overrides the access-level specified by the vpn-scope default access-level. The 'no' version of this command removes the access-level exception. If the 'create' and 'no' keywords are omitted, this command enters an existing access-level-exception, allowing that exception's access-level setting to be changed. default-access-level - The vpn-scope access-level that gets assigned by default to CLI users on each Message VPN unless there is an access-level exception configured for it. In that case the exception takes precedence.

**configure authentication user-class cli access-level default message-vpn access-level-exception**

COMMAND:

access-level-exception <vpn-name> create access-level-exception <vpn-name> no access-level-exception <vpn-name>

DESCRIPTION:

The 'create' version of this command creates a new vpn-scope access-level exception which overrides the access-level specified by the vpn-scope default access-level. The 'no' version of this command removes the access-level exception. If the 'create' and 'no' keywords are omitted, this command enters an existing access-level-exception, allowing that exception's access-level setting to be changed.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<vpn-name> [1..32 chars] - The name of the Message VPN for which an access level exception may be configured.

**configure authentication user-class cli access-level default message-vpn access-level-exception <vpn-name> access-level**

COMMAND:

access-level <access-level>

DESCRIPTION:

vpn-scope access-level to assign to CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write] - CLI Message VPN access level

**configure authentication user-class cli access-level default message-vpn default-access-level**

COMMAND:

default-access-level <access-level>

DESCRIPTION:

The vpn-scope access-level that gets assigned by default to CLI users on each Message VPN unless there is an access-level exception configured for it. In that case the exception takes precedence.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write] - CLI user Message VPN default access level

**configure authentication user-class cli access-level ldap**

COMMAND:

ldap

DESCRIPTION:

Enter sub-mode to configure how the access level is derived for CLI users when authenticating with LDAP.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] group - The name of a group as it exists on the LDAP server being used to authenticate CLI Users. Special care is needed if the group name contains special characters such as '#', '+', ';', '=' as the value of the group name returned from the LDAP server might prepend those characters with '\'. For example a group name called 'test#,lab,com' will be returned from the LDAP server as 'test\#,lab,com'. [no] group-membership-attribute-name - The name of the attribute that should be retrieved from the LDAP server as part of the LDAP search when authenticating a CLI User. It indicates that the CLI User belongs to a particular group (i.e. the value associated with this attribute). The value(s) returned in this attribute should match one of the configured groups. The 'no' version of this command unconfigures this attribute which will result in all users getting the default access level.

**configure authentication user-class cli access-level ldap group**

COMMAND:

group <group-name> create group <group-name> no group <group-name>

DESCRIPTION:

The name of a group as it exists on the LDAP server being used to authenticate CLI Users. Special care is needed if the group name contains special characters such as '#', '+', ';', '=' as the value of the group name returned from the LDAP server might prepend those characters with '\'. For example a group name called 'test#,lab,com' will be returned from the LDAP server as 'test\#,lab,com'.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<group-name> [1..256 chars] - LDAP group name.

**configure authentication user-class cli access-level ldap group <group-name> global-access-level**

COMMAND:

global-access-level <access-level>

DESCRIPTION:

Set the global-scope access-level of CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write | admin] - CLI global access level

**configure authentication user-class cli access-level ldap group <group-name> message-vpn**

COMMAND:

message-vpn [access-level-exception ... | default-access-level ...]

DESCRIPTION:

Enter sub-mode to configure the access level at Message VPN level for CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] access-level-exception - The 'create' version of this command creates a new vpn-scope access-level exception which overrides the access-level specified by the vpn-scope default access-level. The 'no' version of this command removes the access-level exception. If the 'create' and 'no' keywords are omitted, this command enters an existing access-level-exception, allowing that exception's access-level setting to be changed. default-access-level - The vpn-scope access-level that gets assigned by default to CLI users on each Message VPN unless there is an access-level exception configured for it. In that case the exception takes precedence.

**configure authentication user-class cli access-level ldap group <group-name> message-vpn access-level-exception**

COMMAND:

access-level-exception <vpn-name> create access-level-exception <vpn-name> no access-level-exception <vpn-name>

DESCRIPTION:

The 'create' version of this command creates a new vpn-scope access-level exception which overrides the access-level specified by the vpn-scope default access-level. The 'no' version of this command removes the access-level exception. If the 'create' and 'no' keywords are omitted, this command enters an existing access-level-exception, allowing that exception's access-level setting to be changed.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<vpn-name> [1..32 chars] - The name of the Message VPN for which an access level exception may be configured.

**configure authentication user-class cli access-level ldap group <group-name> message-vpn access-level-exception <vpn-name> access-level**

COMMAND:

access-level <access-level>

DESCRIPTION:

vpn-scope access-level to assign to CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write] - CLI Message VPN access level

**configure authentication user-class cli access-level ldap group <group-name> message-vpn default-access-level**

COMMAND:

default-access-level <access-level>

DESCRIPTION:

The vpn-scope access-level that gets assigned by default to CLI users on each Message VPN unless there is an access-level exception configured for it. In that case the exception takes precedence.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write] - CLI user Message VPN default access level

**configure authentication user-class cli access-level ldap group-membership-attribute-name**

COMMAND:

group-membership-attribute-name <attribute-name> no group-membership-attribute-name

DESCRIPTION:

The name of the attribute that should be retrieved from the LDAP server as part of the LDAP search when authenticating a CLI User. It indicates that the CLI User belongs to a particular group (i.e. the value associated with this attribute). The value(s) returned in this attribute should match one of the configured groups. The 'no' version of this command unconfigures this attribute which will result in all users getting the default access level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<attribute-name> [1..64 chars] - LDAP attribute name.

**configure authentication user-class cli auth-type**

COMMAND:

auth-type {radius <radius-profile> | ldap <ldap-profile> | internal}

DESCRIPTION:

Assign authentication mechanisms to this user class.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

radius - Radius authentication. <radius-profile> [1..32 chars] - Radius profile name. ldap - LDAP authentication. <ldap-profile> [1..32 chars] - LDAP profile name. internal - Internal database.

**configure authentication user-class cli radius-domain**

COMMAND:

radius-domain <radius-domain> no radius-domain

DESCRIPTION:

Assign radius-domain string for this user class.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<radius-domain> [0..64 chars] - radius-domain string

**configure bridge**

COMMAND:

bridge <bridge-name> message-vpn <vpn-name> [primary | backup] create bridge <bridge-name> message-vpn <vpn-name> [primary | backup] no bridge <bridge-name> message-vpn <vpn-name> [primary | backup]

DESCRIPTION:

Enter configuration mode for the specified bridge

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<bridge-name> [1..150 chars] - name of the bridge message-vpn <vpn-name> [1..32 chars] - local message-vpn the bridge belong to primary - bridge belongs to the primary virtual-router (default) backup - bridge belongs to the backup virtual-router

**configure bridge <bridge-name> message-vpn <vpn-name> max-ttl**

COMMAND:

max-ttl <ttl-value> no max-ttl

DESCRIPTION:

The max-ttl value for the bridge, in hops. When a bridge is sending a message to the remote router, the TTL value for the message becomes the lower of its current TTL value or this value.

The no version of the command returns its value to the default (8).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<ttl-value> [1..255] - The new max-ttl value

**configure bridge <bridge-name> message-vpn <vpn-name> remote**

COMMAND:

remote [authentication | deliver-to-one | message-vpn ... | retry | subscription-topic ...]

DESCRIPTION:

Enter remote configuration mode for the current bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] authentication - Enter authentication configuration mode for the current bridge. [no] deliver-to-one - Enter deliver-to-one configuration mode for the current bridge. [create|no] message-vpn - Configure the Message VPN to connect to on the remote router. [no] retry - Enter remote retry configuration mode for the current bridge. [no] subscription-topic - Add/remove Remote Message VPN subscription topics

**configure bridge <bridge-name> message-vpn <vpn-name> remote authentication**

COMMAND:

authentication [auth-scheme ... | basic | client-certificate]

DESCRIPTION:

Enter authentication configuration mode for the current bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

auth-scheme - The authentication scheme for the Remote Message VPN. [no] basic - Enter basic authentication configuration mode for the current bridge. [no] client-certificate - Enter client-certificate authentication configuration mode for the current bridge.

**configure bridge <bridge-name> message-vpn <vpn-name> remote authentication auth-scheme**

COMMAND:

auth-scheme {basic | client-certificate}

DESCRIPTION:

The authentication scheme for the Remote Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

basic - Basic Authentication Scheme (via username and password). client-certificate - Client Certificate Authentication Scheme (via certificate-file).

**configure bridge <bridge-name> message-vpn <vpn-name> remote authentication basic**

COMMAND:

basic [client-username ...]

DESCRIPTION:

Enter basic authentication configuration mode for the current bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] client-username - The client username the bridge uses to login to the Remote Message VPN.

**configure bridge <bridge-name> message-vpn <vpn-name> remote authentication basic client-username**

COMMAND:

client-username <name> [password <password>] no client-username

DESCRIPTION:

The client username the bridge uses to login to the Remote Message VPN.

The no version of the command returns its value to the default (no client-username configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..189 chars] - The client-username used for authentication on the remote-router. password <password> [1..128 chars] - The password associated with the client-username used for authentication on the remote-router.

**configure bridge <bridge-name> message-vpn <vpn-name> remote authentication client-certificate**

COMMAND:

client-certificate [certificate-file ...]

DESCRIPTION:

Enter client-certificate authentication configuration mode for the current bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] certificate-file - Configure the SSL client certificate used by this bridge to login to the Remote Message VPN. The file must be located in the /certs directory and must be PEM formatted (have a .pem extension). It must consist of a private key and between one and three certificates comprising the certificate trust chain. If this certificate file is not configured, the locally configured server certificate will be used.

**configure bridge <bridge-name> message-vpn <vpn-name> remote authentication client-certificate certificate-file**

COMMAND:

certificate-file <filename> no certificate-file

DESCRIPTION:

Configure the SSL client certificate used by this bridge to login to the Remote Message VPN. The file must be located in the /certs directory and must be PEM formatted (have a .pem extension). It must consist of a private key and between one and three certificates comprising the certificate trust chain. If this certificate file is not configured, the locally configured server certificate will be used.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<filename> [0..117 chars] - The certificate file in the certs directory.

**configure bridge <bridge-name> message-vpn <vpn-name> remote deliver-to-one**

COMMAND:

deliver-to-one [priority ...]

DESCRIPTION:

Enter deliver-to-one configuration mode for the current bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] priority - The deliver-to-one priority for the bridge used on the remote router.

**configure bridge <bridge-name> message-vpn <vpn-name> remote deliver-to-one priority**

COMMAND:

priority <dto-priority> no priority

DESCRIPTION:

The deliver-to-one priority for the bridge used on the remote router.

The no version of the command returns its value to the default (P1).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<dto-priority> [P1..P4 or DA] - The deliver-to-one priority for topic subscriptions.

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn**

COMMAND:

message-vpn <vpn-name> {router <virtual-router-name> | {connect-via <addr>} [interface <phys-intf>]} create message-vpn <vpn-name> {router <virtual-router-name> | {connect-via <addr>} [interface <phys-intf>]} no message-vpn <vpn-name> {router <virtual-router-name> | {connect-via <addr>} [interface <phys-intf>]}

DESCRIPTION:

Configure the Message VPN to connect to on the remote router.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<vpn-name> [1..32 chars] - remote message-vpn name router <virtual-router-name> [1..52] - name of the virtual remote-router where the message-vpn is located. All virtual remote-router names start with `v:', for e.g. v:lab-128-97. connect-via <addr> [1..56 chars[:nnn]/nnn.nnn.nnn.nnn[:nnn]] - The IP address or hostname, with optional port, where the remote router should be reached. This may be a static or virtual address of the remote-router. DNS name lookup is supported. For bridges that are looping back to a message-vpn on this appliance, the IP address '127.0.0.1' must be used. interface <phys-intf> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1"

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> client-username**

COMMAND:

client-username <name> [password <password>] no client-username

DESCRIPTION:

The client username the bridge uses to login to the Remote Message VPN. This per Remote Message VPN value overrides the value provided for the bridge overall.

The no version of the command returns its value to the default (no client-username configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..189 chars] - The client-username used for authentication on the remote-router. password <password> [1..128 chars] - The password associated with the client-username used for authentication on the remote-router.

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> compressed-data**

COMMAND:

[no] compressed-data

DESCRIPTION:

Enable or disable data compression for the Remote Message VPN. This may only be done when the Remote Message VPN is disabled.

The default value is no compressed-data.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> connect-order**

COMMAND:

connect-order <number> no connect-order

DESCRIPTION:

The order in which attempts to connect to different Message VPN hosts are attempted, or the preference given to incoming connections from remote routers, from 1 (highest priority) to 4 (lowest priority).

The no version of the command returns its value to the default (4).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<number> [1..4] - number

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> message-spool**

COMMAND:

message-spool [queue ... | window-size ...]

DESCRIPTION:

Configure the message spool parameters used when the bridge connects using this Remote Message VPN

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] queue - The queue binding of the bridge for this Remote Message VPN. The bridge attempts to bind to that queue over the bridge link once the link has been established, or immediately if it already is established. The queue must be configured on the remote router when the bridge connection is established. If the bind fails an event log is generated which includes the reason for the failure. [no] window-size - The window size indicates how many outstanding Guaranteed messages can be sent over the Remote Message VPN connection before acknowledgement is received by the sender. To change the configuration, Remote Message VPN must be shutdown.

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> message-spool queue**

COMMAND:

queue <name> no queue

DESCRIPTION:

The queue binding of the bridge for this Remote Message VPN. The bridge attempts to bind to that queue over the bridge link once the link has been established, or immediately if it already is established. The queue must be configured on the remote router when the bridge connection is established. If the bind fails an event log is generated which includes the reason for the failure.

The no version of the command returns its value to the default (no queue configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..200 chars] - Queue name or #DEAD\_MSG\_QUEUE

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> message-spool window-size**

COMMAND:

window-size <number> no window-size

DESCRIPTION:

The window size indicates how many outstanding Guaranteed messages can be sent over the Remote Message VPN connection before acknowledgement is received by the sender.

To change the configuration, Remote Message VPN must be shutdown.

The no version of the command returns its value to the default (255).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<number> [0..65535] - The transport window size for guaranteed messaging in messages.

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the Remote Message VPN.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> ssl**

COMMAND:

[no] ssl

DESCRIPTION:

Enable or disable SSL for the Remote Message VPN. This may only be done when the Remote Message VPN is disabled.

The default value is no ssl.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> unidirectional**

COMMAND:

unidirectional [client-profile ...]

DESCRIPTION:

Configure the unidirectional parameters used when the bridge connects using this Remote Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] client-profile - The client-profile for the unidirectional bridge for the Remote Message VPN. The client-profile must exist in the local Message VPN, and it is used only for the TCP parameters.

**configure bridge <bridge-name> message-vpn <vpn-name> remote message-vpn <vpn-name> connect-via <addr> unidirectional client-profile**

COMMAND:

client-profile <name> no client-profile

DESCRIPTION:

The client-profile for the unidirectional bridge for the Remote Message VPN. The client-profile must exist in the local Message VPN, and it is used only for the TCP parameters.

The no version of the command returns its value to the default (#client-profile, which has a TCP max window size of 2MB).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - Client profile name.

**configure bridge <bridge-name> message-vpn <vpn-name> remote retry**

COMMAND:

retry [count ... | delay ...]

DESCRIPTION:

Enter remote retry configuration mode for the current bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] count - The number of retries that are attempted for a router name before the next remote router alternative is attempted. [no] delay - The number of seconds that must pass before retrying a connection.

**configure bridge <bridge-name> message-vpn <vpn-name> remote retry count**

COMMAND:

count <count> no count

DESCRIPTION:

The number of retries that are attempted for a router name before the next remote router alternative is attempted.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<count> [0..255] - Number of times to retry a connection to an individual router-name.

**configure bridge <bridge-name> message-vpn <vpn-name> remote retry delay**

COMMAND:

delay <seconds> no delay

DESCRIPTION:

The number of seconds that must pass before retrying a connection.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [0..255] - Number of seconds

**configure bridge <bridge-name> message-vpn <vpn-name> remote subscription-topic**

COMMAND:

subscription-topic <topic> [deliver-always] no subscription-topic <topic>

DESCRIPTION:

Add/remove Remote Message VPN subscription topics

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<topic> [1..250 chars] - The topic to subscribe to. deliver-always - Flag the topic as deliver-always instead of with the configured deliver-to-one remote-priority value for the bridge. A given topic may be deliver-to-one or deliver-always but not both.

**configure bridge <bridge-name> message-vpn <vpn-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the bridge.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure bridge <bridge-name> message-vpn <vpn-name> ssl**

COMMAND:

ssl [cipher-suite ... | trusted-common-name ...]

DESCRIPTION:

Enter SSL configuration mode for this bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] cipher-suite - The ordered list of of cipher suites for the SSL authentication mechanism. The suite selected will be the first suite in the list that is supported by the remote appliance. [no] trusted-common-name - Configure the bridge SSL authentication mechanism with a list of trusted common names. This list is used to verify the common name of the remote server certificate.

**configure bridge <bridge-name> message-vpn <vpn-name> ssl cipher-suite**

COMMAND:

cipher-suite {default | empty | name <suite-name> [{before | after} <existing-suite-name>]} no cipher-suite name <suite-name>

DESCRIPTION:

The ordered list of of cipher suites for the SSL authentication mechanism. The suite selected will be the first suite in the list that is supported by the remote appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

default - The default cipher suite list. To modify the cipher suite list, it needs to be emptied and re-added one suite at a time empty - Remove all cipher suites from the list name <suite-name> [1..64 chars] - The cipher suite to be added to the cipher suite list. The cipher suite is appended to the list if no 'before' or 'after' keyword is present before - Add the suite-name before the existing-suite-name after - Add the suite-name after the existing-suite-name <existing-suite-name>

**configure bridge <bridge-name> message-vpn <vpn-name> ssl trusted-common-name**

COMMAND:

trusted-common-name {empty | name <common-name>} no trusted-common-name name <common-name>

DESCRIPTION:

Configure the bridge SSL authentication mechanism with a list of trusted common names. This list is used to verify the common name of the remote server certificate.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

empty - Removes all common names from the list name <common-name> [1..64 chars] - The expected trusted common name of the remote certificate

**configure client-profile**

COMMAND:

client-profile <name> message-vpn <vpn-name> create client-profile <name> message-vpn <vpn-name> no client-profile <name> message-vpn <vpn-name>

DESCRIPTION:

Enter client-profile configuration mode for the specified client-profile, creating that profile if it does not already exist

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - The name of the Client Profile message-vpn <vpn-name> [1..32 chars] - Message VPN the client-profile belongs to

**configure client-profile <name> message-vpn <vpn-name> allow-bridge-connections**

COMMAND:

[no] allow-bridge-connections

DESCRIPTION:

Enable or disable allowing bridge connections to login.

The default value is no allow-bridge-connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> eliding**

COMMAND:

eliding [delay ... | max-topics ... | shutdown]

DESCRIPTION:

Enter client-profile eliding configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] delay - The eliding delay interval (in milliseconds). 0 means no delay in delivering the message to the client. [no] max-topics - The maximum number of topics that can be tracked for eliding on a per client basis. [no] shutdown - Enables or disables eliding.

**configure client-profile <name> message-vpn <vpn-name> eliding delay**

COMMAND:

delay <milliseconds> no delay

DESCRIPTION:

The eliding delay interval (in milliseconds). 0 means no delay in delivering the message to the client.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<milliseconds> [0..60000] - Eliding delay interval in milliseconds

**configure client-profile <name> message-vpn <vpn-name> eliding max-topics**

COMMAND:

max-topics <num> no max-topics

DESCRIPTION:

The maximum number of topics that can be tracked for eliding on a per client basis.

The no version of the command returns its value to the default (256).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num> [1..32000] - The max number of topics

**configure client-profile <name> message-vpn <vpn-name> eliding shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enables or disables eliding.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> event**

COMMAND:

event [client-provisioned-endpoint-spool-usage | connections-per-client-username | egress-flows | endpoints-per-client-username | ingress-flows | service | subscriptions | transacted-sessions | transactions]

DESCRIPTION:

Enter client-profile event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] client-provisioned-endpoint-spool-usage - Configure the event thresholds for the spool usage for the client provisioned endpoints. [no] connections-per-client-username - Configure the event for the number of connections for a given client-username. [no] egress-flows - Configure the event thresholds for the number of egress flows allowed per client associated with this client profile. [no] endpoints-per-client-username - Configure the event thresholds for the number of queues and topic endpoints for a given client-username associated with this client profile. [no] ingress-flows - Configure the event thresholds for the number of ingress flows allowed per client associated with this client profile. [no] service - Configure per-service events. [no] subscriptions - Configure the event for the number of subscriptions per client. [no] transacted-sessions - Configure the event thresholds for guaranteed data transacted sessions allowed per client. [no] transactions - Configure the event thresholds for guaranteed data transactions allowed per client.

**configure client-profile <name> message-vpn <vpn-name> event client-provisioned-endpoint-spool-usage**

COMMAND:

client-provisioned-endpoint-spool-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the spool usage for the client provisioned endpoints.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the provisioned endpoint spool usage event as a percentage of the signalled max-spool-usage. Changing these values during operation does not affect existing sessions. For provisioned durable endpoints, these settings apply when initially provisioned, but can then be changed at any time afterwards via the associated queue/topic-endpoint spool-usage command.

**configure client-profile <name> message-vpn <vpn-name> event client-provisioned-endpoint-spool-usage thresholds**

COMMAND:

thresholds [set-percentage <set-percentage>] [clear-percentage <clear-percentage>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the provisioned endpoint spool usage event as a percentage of the signalled max-spool-usage. Changing these values during operation does not affect existing sessions. For provisioned durable endpoints, these settings apply when initially provisioned, but can then be changed at any time afterwards via the associated queue/topic-endpoint spool-usage command.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-spool-usage value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-spool-usage value

**configure client-profile <name> message-vpn <vpn-name> event connections-per-client-username**

COMMAND:

connections-per-client-username [thresholds ...]

DESCRIPTION:

Configure the event for the number of connections for a given client-username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the connections-per-client-username event.

**configure client-profile <name> message-vpn <vpn-name> event connections-per-client-username thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the connections-per-client-username event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..200000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..200000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections-per-client-us ername value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections-per-client-us ername value

**configure client-profile <name> message-vpn <vpn-name> event egress-flows**

COMMAND:

egress-flows [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the number of egress flows allowed per client associated with this client profile.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of egress flows allowed per client, either as percentage of maximum number of egress flows, or as a count.

**configure client-profile <name> message-vpn <vpn-name> event egress-flows thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of egress flows allowed per client, either as percentage of maximum number of egress flows, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-egress-flows value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-egress-flows value

**configure client-profile <name> message-vpn <vpn-name> event endpoints-per-client-username**

COMMAND:

endpoints-per-client-username [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the number of queues and topic endpoints for a given client-username associated with this client profile.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of endpoints belonging to the same client username associated with this client profile, either as percentage of maximum number of endpoints, or as a count.

**configure client-profile <name> message-vpn <vpn-name> event endpoints-per-client-username thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of endpoints belonging to the same client username associated with this client profile, either as percentage of maximum number of endpoints, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-endpoints value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-endpoints value

**configure client-profile <name> message-vpn <vpn-name> event ingress-flows**

COMMAND:

ingress-flows [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the number of ingress flows allowed per client associated with this client profile.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of ingress flows allowed per client, either as percentage of maximum number of ingress flows, or as a count.

**configure client-profile <name> message-vpn <vpn-name> event ingress-flows thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of ingress flows allowed per client, either as percentage of maximum number of ingress flows, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-ingress-flows value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-ingress-flows value

**configure client-profile <name> message-vpn <vpn-name> event service**

COMMAND:

service [smf | web-transport]

DESCRIPTION:

Configure per-service events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] smf - Configure client-profile events for the SMF service. [no] web-transport - Configure client-profile events for the Web Transport service.

**configure client-profile <name> message-vpn <vpn-name> event service smf**

COMMAND:

smf [connections-per-client-username]

DESCRIPTION:

Configure client-profile events for the SMF service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections-per-client-username - Configure the event for the number of connections for a given client-username.

**configure client-profile <name> message-vpn <vpn-name> event service smf connections-per-client-username**

COMMAND:

connections-per-client-username [thresholds ...]

DESCRIPTION:

Configure the event for the number of connections for a given client-username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the connections-per-client-username event.

**configure client-profile <name> message-vpn <vpn-name> event service smf connections-per-client-username thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the connections-per-client-username event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..30000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..30000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections-per-client-us ername value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections-per-client-us ername value

**configure client-profile <name> message-vpn <vpn-name> event service web-transport**

COMMAND:

web-transport [connections-per-client-username]

DESCRIPTION:

Configure client-profile events for the Web Transport service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections-per-client-username - Configure the event for the number of connections for a given client-username.

**configure client-profile <name> message-vpn <vpn-name> event service web-transport connections-per-client-username**

COMMAND:

connections-per-client-username [thresholds ...]

DESCRIPTION:

Configure the event for the number of connections for a given client-username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the connections-per-client-username event.

**configure client-profile <name> message-vpn <vpn-name> event service web-transport connections-per-client-username thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the connections-per-client-username event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..200000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..200000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections-per-client-us ername value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections-per-client-us ername value

**configure client-profile <name> message-vpn <vpn-name> event subscriptions**

COMMAND:

subscriptions [thresholds ...]

DESCRIPTION:

Configure the event for the number of subscriptions per client.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the subscriptions event either as a percentage of max-subscriptions or as a count

**configure client-profile <name> message-vpn <vpn-name> event subscriptions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the subscriptions event either as a percentage of max-subscriptions or as a count

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-subscriptions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-subscriptions value

**configure client-profile <name> message-vpn <vpn-name> event transacted-sessions**

COMMAND:

transacted-sessions [thresholds ...]

DESCRIPTION:

Configure the event thresholds for guaranteed data transacted sessions allowed per client.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the client level transacted sessions event, either as a percentage of the maximum number of guaranteed data transacted sessions allowed per client or as a count.

**configure client-profile <name> message-vpn <vpn-name> event transacted-sessions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the client level transacted sessions event, either as a percentage of the maximum number of guaranteed data transacted sessions allowed per client or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-transacted-sessions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-transacted-sessions value

**configure client-profile <name> message-vpn <vpn-name> event transactions**

COMMAND:

transactions [thresholds ...]

DESCRIPTION:

Configure the event thresholds for guaranteed data transactions allowed per client.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the client level transactions event, either as a percentage of the maximum number of guaranteed data transactions allowed per client or as a count.

**configure client-profile <name> message-vpn <vpn-name> event transactions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the client level transactions event, either as a percentage of the maximum number of guaranteed data transactions allowed per client or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-transactions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-transactions value

**configure client-profile <name> message-vpn <vpn-name> max-connections-per-client-username**

COMMAND:

max-connections-per-client-username <value> no max-connections-per-client-username

DESCRIPTION:

The maximum number of client connections that can be simultaneously connected with the same client-username. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - value

**configure client-profile <name> message-vpn <vpn-name> max-subscriptions**

COMMAND:

max-subscriptions <value> no max-subscriptions

DESCRIPTION:

The maximum number of subscriptions for a single client associated with this client-profile.

The no version of the command returns its value to the default (5000000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..4294967295] - value

**configure client-profile <name> message-vpn <vpn-name> message-spool**

COMMAND:

message-spool [allow-cut-through-forwarding | allow-guaranteed-endpoint-create | allow-guaranteed-message-receive | allow-guaranteed-message-send | allow-transacted-sessions | api-queue-management | api-topic-endpoint-management | max-egress-flows ... | max-endpoints-per-client-username ... | max-ingress-flows ... | max-transacted-sessions ... | max-transactions ... | reject-msg-to-sender-on-no-subscription-match]

DESCRIPTION:

Enter client-profile message-spool configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] allow-cut-through-forwarding - Enable or disable allowing a client to bind to topic endpoints or queues with cut-through forwarding. Changing this value does not affect existing sessions. [no] allow-guaranteed-endpoint-create - Enable or disable allowing a client to create topic endponts or queues for the receiving of persistent or non-persistent messages. Changing this value does not affect existing sessions. [no] allow-guaranteed-message-receive - Enable or disable allowing a client to bind to topic endpoints or queues for the receiving of persistent or non-persistent messages. Changing this value does not affect existing sessions. [no] allow-guaranteed-message-send - Enable or disable allowing a client to send persistent and non-persistent messages. Changing this value does not affect existing sessions. [no] allow-transacted-sessions - Enable or disable allowing a client to use trasacted sessions to bundle persistent or non-persistent message send and receives. Changing this value does not affect existing sessions. [no] api-queue-management - Enter api-queue-managemen t configuration mode. This mode is for provisioning queues as templates for new queues that are signaled in from an API. [no] api-topic-endpoint-management - Enter the api-topic-endpoint- management configuration mode. This mode is for provisioning topic-endpoints as templates for new topic-endpoints that are signaled in from an API. [no] max-egress-flows - The maximum number of egress flows that can be created by a single client associated with this client-profile. [no] max-endpoints-per-client-username - The maximum number of queues and topic endpoints that can be created across clients using the same client-username associated with this client-profile. [no] max-ingress-flows - The maximum number of ingress flows that can be created by a single client associated with this client-profile. [no] max-transacted-sessions - The maximum number of transacted sessions that can be created by a single client associated with this client-profile. [no] max-transactions - The maximum number of transacted sessions that can be created by a single client associated with this client-profile. [no] reject-msg-to-sender-on-no-subscription-match - Enable or disable the sending of a negative acknowledgement on the discard of a guaranteed message. When a guaranteed message is published to a topic, and the router does not have any guaranteed subscriptions matching the message topic, the message can either be silently discarded, or a negative acknowledgement can be returned to the sender indicating that no guaranteed subscriptions were found for the message. It should be noted that even if the message is rejected to the publisher, it will still be delivered to any clients who have direct subscriptions to the topic. This configuration option does not affect the behavior of messages published to unknown queue names. That always results in the message being rejected to the sender.

**configure client-profile <name> message-vpn <vpn-name> message-spool allow-cut-through-forwarding**

COMMAND:

[no] allow-cut-through-forwarding

DESCRIPTION:

Enable or disable allowing a client to bind to topic endpoints or queues with cut-through forwarding. Changing this value does not affect existing sessions.

The default value is no allow-cut-through-forwarding.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> message-spool allow-guaranteed-endpoint-create**

COMMAND:

[no] allow-guaranteed-endpoint-create

DESCRIPTION:

Enable or disable allowing a client to create topic endponts or queues for the receiving of persistent or non-persistent messages. Changing this value does not affect existing sessions.

The default value is no allow-guaranteed-endpoint-create.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> message-spool allow-guaranteed-message-receive**

COMMAND:

[no] allow-guaranteed-message-receive

DESCRIPTION:

Enable or disable allowing a client to bind to topic endpoints or queues for the receiving of persistent or non-persistent messages. Changing this value does not affect existing sessions.

The default value is no allow-guaranteed-message-receive.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> message-spool allow-guaranteed-message-send**

COMMAND:

[no] allow-guaranteed-message-send

DESCRIPTION:

Enable or disable allowing a client to send persistent and non-persistent messages. Changing this value does not affect existing sessions.

The default value is no allow-guaranteed-message-send.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> message-spool allow-transacted-sessions**

COMMAND:

[no] allow-transacted-sessions

DESCRIPTION:

Enable or disable allowing a client to use trasacted sessions to bundle persistent or non-persistent message send and receives. Changing this value does not affect existing sessions.

The default value is no allow-transacted-sessions.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> message-spool api-queue-management**

COMMAND:

api-queue-management [copy-from-on-create ...]

DESCRIPTION:

Enter api-queue-management configuration mode. This mode is for provisioning queues as templates for new queues that are signaled in from an API.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] copy-from-on-create - The name of a queue to copy settings from when a new queue is created by an API. The referenced queue must exist.

**configure client-profile <name> message-vpn <vpn-name> message-spool api-queue-management copy-from-on-create**

COMMAND:

copy-from-on-create <queue-name> no copy-from-on-create

DESCRIPTION:

The name of a queue to copy settings from when a new queue is created by an API. The referenced queue must exist.

The no version of the command returns its value to the default (no copy-from-on-create configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<queue-name> [1..200 chars] - Name of the queue to use as a template for new queues

**configure client-profile <name> message-vpn <vpn-name> message-spool api-topic-endpoint-management**

COMMAND:

api-topic-endpoint-management [copy-from-on-create ...]

DESCRIPTION:

Enter the api-topic-endpoint-management configuration mode. This mode is for provisioning topic-endpoints as templates for new topic-endpoints that are signaled in from an API.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] copy-from-on-create - The name of a topic-endpoint to copy settings from when a new topic-endpoint is created by an API. The referenced topic-endpoint must exist.

**configure client-profile <name> message-vpn <vpn-name> message-spool api-topic-endpoint-management copy-from-on-create**

COMMAND:

copy-from-on-create <topic-endpoint-name> no copy-from-on-create

DESCRIPTION:

The name of a topic-endpoint to copy settings from when a new topic-endpoint is created by an API. The referenced topic-endpoint must exist.

The no version of the command returns its value to the default (no copy-from-on-create configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<topic-endpoint-name> [chars] - Name of the topic-endpoint to use as a template for new topic-endpoints

**configure client-profile <name> message-vpn <vpn-name> message-spool max-egress-flows**

COMMAND:

max-egress-flows <value> no max-egress-flows

DESCRIPTION:

The maximum number of egress flows that can be created by a single client associated with this client-profile.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..100000] - Maximum number of egress flows

**configure client-profile <name> message-vpn <vpn-name> message-spool max-endpoints-per-client-username**

COMMAND:

max-endpoints-per-client-username <value> no max-endpoints-per-client-username

DESCRIPTION:

The maximum number of queues and topic endpoints that can be created across clients using the same client-username associated with this client-profile.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..100000] - Maximum number of queues and topic endpoints

**configure client-profile <name> message-vpn <vpn-name> message-spool max-ingress-flows**

COMMAND:

max-ingress-flows <value> no max-ingress-flows

DESCRIPTION:

The maximum number of ingress flows that can be created by a single client associated with this client-profile.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - Maximum number of ingress flows

**configure client-profile <name> message-vpn <vpn-name> message-spool max-transacted-sessions**

COMMAND:

max-transacted-sessions <value> no max-transacted-sessions

DESCRIPTION:

The maximum number of transacted sessions that can be created by a single client associated with this client-profile.

The no version of the command returns its value to the default (10).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..16000] - Maximum transacted sessions

**configure client-profile <name> message-vpn <vpn-name> message-spool max-transactions**

COMMAND:

max-transactions <value> no max-transactions

DESCRIPTION:

The maximum number of transacted sessions that can be created by a single client associated with this client-profile.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..50000] - Maximum transactions

**configure client-profile <name> message-vpn <vpn-name> message-spool reject-msg-to-sender-on-no-subscription-match**

COMMAND:

[no] reject-msg-to-sender-on-no-subscription-match

DESCRIPTION:

Enable or disable the sending of a negative acknowledgement on the discard of a guaranteed message.

When a guaranteed message is published to a topic, and the router does not have any guaranteed subscriptions matching the message topic, the message can either be silently discarded, or a negative acknowledgement can be returned to the sender indicating that no guaranteed subscriptions were found for the message.

It should be noted that even if the message is rejected to the publisher, it will still be delivered to any clients who have direct subscriptions to the topic.

This configuration option does not affect the behavior of messages published to unknown queue names. That always results in the message being rejected to the sender.

The default value is no reject-msg-to-sender-on-no-subscription-match.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> queue**

COMMAND:

queue <type>

DESCRIPTION:

Enter client-profile queue configuration mode for the specified queue.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<type> [G-1,D-1..3,C-1] - Queue type (G-Guaranteed, D-Direct, C-Control)

**configure client-profile <name> message-vpn <vpn-name> queue <type> max-depth**

COMMAND:

max-depth <depth> no max-depth

DESCRIPTION:

Configure the maximum depth of the specified queue measured in work units. Each work unit is 2048 bytes of data.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<depth> [2..262144] - The queue depth in number of work units

**configure client-profile <name> message-vpn <vpn-name> queue <type> min-msg-burst**

COMMAND:

min-msg-burst <depth> no min-msg-burst

DESCRIPTION:

Configure the minimum number of messages that must be on a priority queue before the queue's depth is checked against the max-depth setting.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<depth> [0..262144] - The queue burst depth in messages

**configure client-profile <name> message-vpn <vpn-name> replication**

COMMAND:

replication [allow-clients-when-standby]

DESCRIPTION:

Enter client-profile replication configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] allow-clients-when-standby - Enable or disable whether clients using this client profile are allowed to connect to the Message VPN if its replication is in standby state.

**configure client-profile <name> message-vpn <vpn-name> replication allow-clients-when-standby**

COMMAND:

[no] allow-clients-when-standby

DESCRIPTION:

Enable or disable whether clients using this client profile are allowed to connect to the Message VPN if its replication is in standby state.

The default value is no allow-clients-when-standby.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-profile <name> message-vpn <vpn-name> service**

COMMAND:

service [smf | web-transport]

DESCRIPTION:

Enter per-service configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] smf - Configure client-profile for the SMF service. [no] web-transport - Configure client-profile for the Web Transport service.

**configure client-profile <name> message-vpn <vpn-name> service smf**

COMMAND:

smf [max-connections-per-client-username ...]

DESCRIPTION:

Configure client-profile for the SMF service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] max-connections-per-client-username - The maximum number of SMF client connections that can be simultaneously connected with the same client-username. This value may be higher than supported by the hardware. See "show service" for supported limits.

**configure client-profile <name> message-vpn <vpn-name> service smf max-connections-per-client-username**

COMMAND:

max-connections-per-client-username <value> no max-connections-per-client-username

DESCRIPTION:

The maximum number of SMF client connections that can be simultaneously connected with the same client-username. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..30000] - value

**configure client-profile <name> message-vpn <vpn-name> service web-transport**

COMMAND:

web-transport [inactive-timeout ... | max-connections-per-client-username ... | max-web-payload ...]

DESCRIPTION:

Configure client-profile for the Web Transport service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] inactive-timeout - The number of seconds during which the client must send a request or else the session is terminated. [no] max-connections-per-client-username - The maximum number of web-transport connections that can be simultaneously connected with the same client-username. This value may be higher than supported by the hardware. See "show service" for supported limits. [no] max-web-payload - The maximum number of bytes allowed in a single web transport payload before fragmentation occurs, not including the header.

**configure client-profile <name> message-vpn <vpn-name> service web-transport inactive-timeout**

COMMAND:

inactive-timeout <seconds> no inactive-timeout

DESCRIPTION:

The number of seconds during which the client must send a request or else the session is terminated.

The no version of the command returns its value to the default (30).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [1..4294967295] - Duration of the inactive timeout in seconds

**configure client-profile <name> message-vpn <vpn-name> service web-transport max-connections-per-client-username**

COMMAND:

max-connections-per-client-username <value> no max-connections-per-client-username

DESCRIPTION:

The maximum number of web-transport connections that can be simultaneously connected with the same client-username. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - value

**configure client-profile <name> message-vpn <vpn-name> service web-transport max-web-payload**

COMMAND:

max-web-payload <bytes> no max-web-payload

DESCRIPTION:

The maximum number of bytes allowed in a single web transport payload before fragmentation occurs, not including the header.

The no version of the command returns its value to the default (1000000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<bytes> [300..10000000] - Maximum size of web transport message payload in bytes

**configure client-profile <name> message-vpn <vpn-name> tcp**

COMMAND:

tcp [initial-cwnd ... | keepalive | max-wnd ... | mss ...]

DESCRIPTION:

Enter TCP configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] initial-cwnd - The TCP initial congestion window size for clients belonging to this profile. The initial congestion window size is used when starting up a TCP connection or recovery from idle (that is, no traffic). It is the number of segments TCP sends before waiting for an acknowledgement from the peer. Larger values of initial window allows a connection to come up to speed quickly. However, care must be taken for if this parameter's value is too high, it may cause congestion in the network. For further details on initial window, refer to RFC 2581. Changing this parameter changes all clients matching this profile, whether already connected or not. Changing the initial window from its default of 2 results in non-compliance with RFC 2581. Contact Solace Support personnel before changing this parameter. [no] keepalive - Enter configuration of tcp keepalives. [no] max-wnd - The TCP maximum window size (in KB) for clients belonging to this profile. Changes are applied to all existing connections. The maximum window should be at least the bandwidth-delay product of the link between the TCP peers. If the maximum window is less than the bandwidth-delay product, then the TCP connection operates below its maximum potential throughput. If the maximum window is less than about twice the bandwidth-delay product, then occasional packet loss causes TCP connection to operate below its maximum potential throughput as it handles the missing ACKs and retransmissions. There are also problems with a maximum window that's too large. In the presence of a high offered load, TCP gradually increases its congestion window until either (a) the congestion window reaches the maximum window, or (b) packet loss occurs in the network. Initially, when the congestion window is small, the network's physical bandwidth-delay acts as a memory buffer for packets in flight. As the congestion window crosses the bandwidth-delay product, though, the buffering of in-flight packets moves to queues in various switches, routers, etc. in the network. As the congestion window continues to increase, some such queue in some equipment overflows, causing packet loss and TCP back-off. [no] mss - The TCP maximum segment size for the clients belonging to this profile.

**configure client-profile <name> message-vpn <vpn-name> tcp initial-cwnd**

COMMAND:

initial-cwnd <num-mss> no initial-cwnd

DESCRIPTION:

The TCP initial congestion window size for clients belonging to this profile.

The initial congestion window size is used when starting up a TCP connection or recovery from idle (that is, no traffic). It is the number of segments TCP sends before waiting for an acknowledgement from the peer. Larger values of initial window allows a connection to come up to speed quickly. However, care must be taken for if this parameter's value is too high, it may cause congestion in the network. For further details on initial window, refer to RFC 2581. Changing this parameter changes all clients matching this profile, whether already connected or not.

Changing the initial window from its default of 2 results in non-compliance with RFC 2581. Contact Solace Support personnel before changing this parameter.

The no version of the command returns its value to the default (2).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num-mss> [2..7826] - The size of the initial congestion window measured in number of MSS.

**configure client-profile <name> message-vpn <vpn-name> tcp keepalive**

COMMAND:

keepalive [count ... | idle ... | interval ...]

DESCRIPTION:

Enter configuration of tcp keepalives.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] count - The number of keepalive probes TCP should send before dropping the connection. [no] idle - The time (in seconds) a connection needs to remain idle before TCP begins sending keepalive probes. [no] interval - The time between individual keepalive probes, when no response is received.

**configure client-profile <name> message-vpn <vpn-name> tcp keepalive count**

COMMAND:

count <num> no count

DESCRIPTION:

The number of keepalive probes TCP should send before dropping the connection.

The no version of the command returns its value to the default (5).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num> [2..5] - The maximum number of keepalive probes TCP should send before dropping the connection.

**configure client-profile <name> message-vpn <vpn-name> tcp keepalive idle**

COMMAND:

idle <seconds> no idle

DESCRIPTION:

The time (in seconds) a connection needs to remain idle before TCP begins sending keepalive probes.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [3..120] - The time (in seconds) the connection needs to be idle before TCP starts sending keepalive probes.

**configure client-profile <name> message-vpn <vpn-name> tcp keepalive interval**

COMMAND:

interval <seconds> no interval

DESCRIPTION:

The time between individual keepalive probes, when no response is received.

The no version of the command returns its value to the default (1).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [1..30] - The time (in seconds) between individual keepalive probes.

**configure client-profile <name> message-vpn <vpn-name> tcp max-wnd**

COMMAND:

max-wnd <num-kilo-bytes> no max-wnd

DESCRIPTION:

The TCP maximum window size (in KB) for clients belonging to this profile. Changes are applied to all existing connections. The maximum window should be at least the bandwidth-delay product of the link between the TCP peers. If the maximum window is less than the bandwidth-delay product, then the TCP connection operates below its maximum potential throughput. If the maximum window is less than about twice the bandwidth-delay product, then occasional packet loss causes TCP connection to operate below its maximum potential throughput as it handles the missing ACKs and retransmissions. There are also problems with a maximum window that's too large. In the presence of a high offered load, TCP gradually increases its congestion window until either (a) the congestion window reaches the maximum window, or (b) packet loss occurs in the network. Initially, when the congestion window is small, the network's physical bandwidth-delay acts as a memory buffer for packets in flight. As the congestion window crosses the bandwidth-delay product, though, the buffering of in-flight packets moves to queues in various switches, routers, etc. in the network. As the congestion window continues to increase, some such queue in some equipment overflows, causing packet loss and TCP back-off.

The no version of the command returns its value to the default (256).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num-kilo-bytes> [32..65536] - The size of the maximum TCP window size in KB.

**configure client-profile <name> message-vpn <vpn-name> tcp mss**

COMMAND:

mss <byte-count> no mss

DESCRIPTION:

The TCP maximum segment size for the clients belonging to this profile.

The no version of the command returns its value to the default (1460).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<byte-count> [256..1460] - The size in bytes of MSS.

**configure client-username**

COMMAND:

client-username <username> message-vpn <vpn-name> create client-username <username> message-vpn <vpn-name> no client-username <username> message-vpn <vpn-name>

DESCRIPTION:

Enter configuration mode for the specified client-username

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<username> [1..189 chars] - The name of the Client Username message-vpn <vpn-name> [1..32 chars] - Message VPN the client-username belongs to

**configure client-username <username> message-vpn <vpn-name> acl-profile**

COMMAND:

acl-profile <name> no acl-profile

DESCRIPTION:

The acl-profile of this client-username.

The no version of the command returns its value to the default (default).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - ACL profile name

**configure client-username <username> message-vpn <vpn-name> client-profile**

COMMAND:

client-profile <name> no client-profile

DESCRIPTION:

The client-profile of this client-username.

The no version of the command returns its value to the default (default).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - Client profile name

**configure client-username <username> message-vpn <vpn-name> guaranteed-endpoint-permission-override**

COMMAND:

[no] guaranteed-endpoint-permission-override

DESCRIPTION:

Enables or disables guaranteed endpoint permission override for a client-username. When enabled all guaranteed endpoints may be accessed, modified or deleted with the same permission as the owner.

The default value is no guaranteed-endpoint-permission-override.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-username <username> message-vpn <vpn-name> password**

COMMAND:

password <password> no password

DESCRIPTION:

The password of this client-username for internal authentication.

The no version of the command returns its value to the default (no password configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<password> [0..128 chars] - password

**configure client-username <username> message-vpn <vpn-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enables or disables a client-username. When disabled all clients currently connected referencing this client username are disconnected.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure client-username <username> message-vpn <vpn-name> subscription-manager**

COMMAND:

[no] subscription-manager

DESCRIPTION:

Enables or disables subscription management capability. This is the ability to manage subscriptions on behalf of other client names.

The default value is no subscription-manager.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure clock**

COMMAND:

clock [set ... | timezone ...]

DESCRIPTION:

Use this command to configure the system clock on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

set - Sets the system clock timezone - Sets the system time zone

**configure clock set**

COMMAND:

set <time> <day> <month> <year>

DESCRIPTION:

Sets the system clock

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<time> [string] - The current time in 24-hour format (hh:mm:ss) <day> [1..31] - The current day by date <month> [string] - The current month by name (e.g. January) <year> [1970..2037] - The current year, no abbreviation

**configure clock timezone**

COMMAND:

timezone <zone>

DESCRIPTION:

Sets the system time zone

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<zone> [0..32 chars] - The time zone name (e.g. EST, Europe/London, Etc/GMT-5). If unsure, use UTC or see 'show clock timezones' for list of supported time zones.

**configure compression**

COMMAND:

compression [mode ...]

DESCRIPTION:

Use this command to set on a global basis the compression mode for data sent from appliances. The appliance compression mode can be configured globally for data sent from the appliance to one of two types: optimized for size (the default) or optimized for speed. In general, optimized for size yields a higher compression ratio with lower throughput, while optimized for-speed yields a higher throughput with lower compression ratio.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

mode - This command is used to choose compression mode. optimize-for-size tends to yield higher compression ratio with lower throughput; optimize-for-speed tends to yield higher throughput with lower compression ratio.

**configure compression mode**

COMMAND:

mode {optimize-for-size | optimize-for-speed}

DESCRIPTION:

This command is used to choose compression mode. optimize-for-size tends to yield higher compression ratio with lower throughput; optimize-for-speed tends to yield higher throughput with lower compression ratio.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

optimize-for-size - optimize-for-size tends to yield higher compression ratio with lower throughput optimize-for-speed - optimize-for-speed tends to yield higher throughput with lower compression ratio

**configure config-sync**

COMMAND:

config-sync [authentication | client-profile | shutdown ... | synchronize]

DESCRIPTION:

Enter Config-Sync configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] authentication - Enter authentication configuration mode [no] client-profile - Enter client-profile configuration mode [no] shutdown - This command disables the Config-Sync feature. [no] synchronize - Enter synchronization configuration mode.

**configure config-sync authentication**

COMMAND:

authentication [client-certificate]

DESCRIPTION:

Enter authentication configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] client-certificate - Enter client-certificate configuration mode

**configure config-sync authentication client-certificate**

COMMAND:

client-certificate [max-certificate-chain-depth ... | validate-certificate-date]

DESCRIPTION:

Enter client-certificate configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] max-certificate-chain-depth - Set the maximum depth for a client certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. The 'no' version of this command resets the value to the default value (3). [no] validate-certificate-date - Enable or disable validation of the "Not Before" and "Not After" validity dates in the certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

**configure config-sync authentication client-certificate max-certificate-chain-depth**

COMMAND:

max-certificate-chain-depth <max-depth> no max-certificate-chain-depth

DESCRIPTION:

Set the maximum depth for a client certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. The 'no' version of this command resets the value to the default value (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<max-depth> [0..8] - The maximum depth that will be accepted for a certificate chain. The valid range is 0 to 8

**configure config-sync authentication client-certificate validate-certificate-date**

COMMAND:

[no] validate-certificate-date

DESCRIPTION:

Enable or disable validation of the "Not Before" and "Not After" validity dates in the certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

The default value is validate-certificate-date.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure config-sync client-profile**

COMMAND:

client-profile [tcp]

DESCRIPTION:

Enter client-profile configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] tcp - Enter tcp configuration mode

**configure config-sync client-profile tcp**

COMMAND:

tcp [initial-cwnd ... | keepalive | max-wnd ... | mss ...]

DESCRIPTION:

Enter tcp configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] initial-cwnd - Configure the TCP initial congestion window size. [no] keepalive - Enter configuration of tcp keepalives. [no] max-wnd - Configure the TCP maximum window size. [no] mss - Configure the TCP maximum segment size.

**configure config-sync client-profile tcp initial-cwnd**

COMMAND:

initial-cwnd <num-mss> no initial-cwnd

DESCRIPTION:

Configure the TCP initial congestion window size.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<num-mss> [2..7826] - The size of the initial congestion window measured in number of MSS.

**configure config-sync client-profile tcp keepalive**

COMMAND:

keepalive [count ... | idle ... | interval ...]

DESCRIPTION:

Enter configuration of tcp keepalives.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] count - The number of keepalive probes TCP should send before dropping the connection. [no] idle - The time (in seconds) a connection needs to remain idle before TCP begins sending keepalive probes. [no] interval - The time between individual keepalive probes, when no response is received.

**configure config-sync client-profile tcp keepalive count**

COMMAND:

count <num> no count

DESCRIPTION:

The number of keepalive probes TCP should send before dropping the connection.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<num> [2..5] - The maximum number of keepalive probes TCP should send before dropping the connection.

**configure config-sync client-profile tcp keepalive idle**

COMMAND:

idle <seconds> no idle

DESCRIPTION:

The time (in seconds) a connection needs to remain idle before TCP begins sending keepalive probes.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<seconds> [3..120] - The time (in seconds) the connection needs to be idle before TCP starts sending keepalive probes.

**configure config-sync client-profile tcp keepalive interval**

COMMAND:

interval <seconds> no interval

DESCRIPTION:

The time between individual keepalive probes, when no response is received.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<seconds> [1..30] - The time (in seconds) between individual keepalive probes.

**configure config-sync client-profile tcp max-wnd**

COMMAND:

max-wnd <num-kilo-bytes> no max-wnd

DESCRIPTION:

Configure the TCP maximum window size.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<num-kilo-bytes> [32..65536] - The size of the maximum TCP window size in KB.

**configure config-sync client-profile tcp mss**

COMMAND:

mss <byte-count> no mss

DESCRIPTION:

Configure the TCP maximum segment size.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<byte-count> [256..1460] - The size in bytes of MSS.

**configure config-sync shutdown**

COMMAND:

shutdown no shutdown

DESCRIPTION:

This command disables the Config-Sync feature.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

**configure config-sync synchronize**

COMMAND:

synchronize [username]

DESCRIPTION:

Enter synchronization configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] username - Enable or disable the synchronizing of usernames. The transition from not synchronizing to synchronizing will cause the HA mate fall out of sync.

**configure config-sync synchronize username**

COMMAND:

[no] username

DESCRIPTION:

Enable or disable the synchronizing of usernames. The transition from not synchronizing to synchronizing will cause the HA mate fall out of sync.

The default value is username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure console**

COMMAND:

console [baud-rate ... | login-banner ... | timeout ...]

DESCRIPTION:

Use this command to configure console parameters on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

baud-rate - Configure the baud rate for the serial console port. [no] login-banner - Sets the login banner text for both ssh logins and serial console logins. This command accepts the usual CLI escape characters when entering the banner text directly on the command line. Use '\n' to insert new lines on the CLI. The file version of this command accepts a file name relative to the jail directory. Example input for printing Hello World across 2 lines: "Hello\nWorld" Entering 'login-banner file myBannerFile' loads 'jail/myBannerFile'. Banners can be a maximum of 2048 characters in length. The default banner is the empty banner. The 'no' version of this command clears the login banner. timeout - Configure the console's inactivity timeout. This timeout is used as the default session timeout for all new CLI sessions.

**configure console baud-rate**

COMMAND:

baud-rate <baud-rate>

DESCRIPTION:

Configure the baud rate for the serial console port.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<baud-rate> [integer] - Baud rate in bps. Valid values are: 110, 300 1200, 2400, 4800, 9600, 19200, 38400, 57600, or 115200

**configure console login-banner**

COMMAND:

login-banner {text <banner-text> | file <file-name>} no login-banner

DESCRIPTION:

Sets the login banner text for both ssh logins and serial console logins. This command accepts the usual CLI escape characters when entering the banner text directly on the command line. Use '\n' to insert new lines on the CLI. The file version of this command accepts a file name relative to the jail directory.

Example input for printing Hello World across 2 lines: "Hello\nWorld"

Entering 'login-banner file myBannerFile' loads 'jail/myBannerFile'.

Banners can be a maximum of 2048 characters in length.

The default banner is the empty banner.

The 'no' version of this command clears the login banner.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

text - Enter the banner text directly on the command line <banner-text> [1..2048 chars] - Text to display on user logins file - Load the banner text from a file <file-name> [0..255 chars] - Name of the file to load from the jail directory

**configure console timeout**

COMMAND:

timeout <idle-timeout>

DESCRIPTION:

Configure the console's inactivity timeout. This timeout is used as the default session timeout for all new CLI sessions.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<idle-timeout> [0..43200] - timeout value in minutes (0 to disable)

**configure disconnect**

COMMAND:

disconnect sessionid <session-id>

DESCRIPTION:

Use this command to forcibly disconnect a CLI user session from the appliance, and thereby allow access to the appliance for other CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none Notes/Exceptions: global/admin is required to disconnect any session belonging to someone else's username.

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

sessionid <session-id> [1..8] - session Id of an existing session

**configure distributed-cache**

COMMAND:

distributed-cache <name> message-vpn <vpn-name> create distributed-cache <name> message-vpn <vpn-name> no distributed-cache <name> message-vpn <vpn-name>

DESCRIPTION:

Use this command to create a Distributed Cache and configure cache parameters on appliances. The no version deletes the specified Distributed Cache from the appliance, as well as all contained Cache Clusters and associated cached messages.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..200 chars] - The distributed-cache name. Must be a valid topic without hierarchy, whitespace, or ?. message-vpn <vpn-name> [1..32 chars] - The Message VPN name.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster**

COMMAND:

cache-cluster <name> create cache-cluster <name> no cache-cluster <name>

DESCRIPTION:

Create or configure Cache Cluster

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..200 chars] - The cache-cluster name. Must be a valid topic without hierarchy, whitespace, or ?.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> cache-instance**

COMMAND:

cache-instance <name> create cache-instance <name> no cache-instance <name>

DESCRIPTION:

Create or configure Cache Instance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..200 chars] - The cache-instance name. Must be a valid topic without hierarchy, whitespace, or ?.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> cache-instance <name> auto-start**

COMMAND:

[no] auto-start

DESCRIPTION:

Enable/disable auto-start for the Cache Instance.

The default value is no auto-start.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> cache-instance <name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable/disable the current Cache Instance.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> cache-instance <name> stop-on-lost-message**

COMMAND:

[no] stop-on-lost-message

DESCRIPTION:

Enable/disable stop-on-lost-message for the cache-instance.

The default value is stop-on-lost-message.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> deliver-to-one-override**

COMMAND:

[no] deliver-to-one-override

DESCRIPTION:

Enable/disable deliver-to-one override for the Cache Cluster.

The default value is deliver-to-one-override.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event**

COMMAND:

event [data-byte-rate | data-message-rate | max-memory | max-topics | request-queue-depth | request-rate | response-rate]

DESCRIPTION:

Enter config mode for events of this Cache Cluster.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] data-byte-rate - Enter config mode for data-byte-rate events. [no] data-message-rate - Enter config mode for data-message-rate events. [no] max-memory - Enter config mode for max-memory events. [no] max-topics - Enter config mode for max-topics events. [no] request-queue-depth - Enter config mode for request-queue-depth events. [no] request-rate - Enter config mode for request-rate events. [no] response-rate - Enter config mode for response-rate events.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event data-byte-rate**

COMMAND:

data-byte-rate [thresholds ...]

DESCRIPTION:

Enter config mode for data-byte-rate events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset set/clear thresholds for the cached data rate in bytes/sec.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event data-byte-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset set/clear thresholds for the cached data rate in bytes/sec.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set-value (rate) for this event. clear-value <clear-value> [0..4294967295] - The clear-value (rate) for this event.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event data-message-rate**

COMMAND:

data-message-rate [thresholds ...]

DESCRIPTION:

Enter config mode for data-message-rate events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset set/clear thresholds for the cached data message in msg/sec.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event data-message-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset set/clear thresholds for the cached data message in msg/sec.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set-value (rate) for this event. clear-value <clear-value> [0..4294967295] - The clear-value (rate) for this event.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event max-memory**

COMMAND:

max-memory [thresholds ...]

DESCRIPTION:

Enter config mode for max-memory events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset set/clear thresholds for the maximum memory consumptions in percentage.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event max-memory thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset set/clear thresholds for the maximum memory consumptions in percentage.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..100] - The set-value (percentage) for this event. clear-value <clear-value> [0..100] - The clear-value (percentage) for this event.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event max-topics**

COMMAND:

max-topics [thresholds ...]

DESCRIPTION:

Enter config mode for max-topics events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset set/clear thresholds for the maximum number of topics in percentage.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event max-topics thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset set/clear thresholds for the maximum number of topics in percentage.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..100] - The set-value (percentage) for this event. clear-value <clear-value> [0..100] - The clear-value (percentage) for this event.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event request-queue-depth**

COMMAND:

request-queue-depth [thresholds ...]

DESCRIPTION:

Enter config mode for request-queue-depth events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset set/clear thresholds for the request queue depth in percentage.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event request-queue-depth thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset set/clear thresholds for the request queue depth in percentage.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..100] - The set-value (percentage) for this event. clear-value <clear-value> [0..100] - The clear-value (percentage) for this event.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event request-rate**

COMMAND:

request-rate [thresholds ...]

DESCRIPTION:

Enter config mode for request-rate events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset set/clear thresholds for the request rate in requests/sec.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event request-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset set/clear thresholds for the request rate in requests/sec.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set-value (rate) for this event. clear-value <clear-value> [0..4294967295] - The clear-value (rate) for this event.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event response-rate**

COMMAND:

response-rate [thresholds ...]

DESCRIPTION:

Enter config mode for response-rate events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset set/clear thresholds for the response rate in responses/sec.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> event response-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset set/clear thresholds for the response rate in responses/sec.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set-value (rate) for this event. clear-value <clear-value> [0..4294967295] - The clear-value (rate) for this event.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> global-caching**

COMMAND:

global-caching [heartbeat ... | home-cache-cluster ... | shutdown | topic-lifetime ...]

DESCRIPTION:

Enter config mode for global caching of this Cache Cluster. Global caching can enable this Cache Cluster to respond to local cache requests for topics that are homed on a remote Cache elsewhere in the network

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] heartbeat - Configure the heartbeat interval used by the Cache Instances to monitor connectivity with the Designated Appliance. [create|no] home-cache-cluster - Enter config mode for home cache cluster of global caching of this Cache Cluster. [no] shutdown - Disable the global caching feature. When disabled, the Cache Cluster will not attempt to fetch topics from the Home Cache Clusters, will not send heartbeat messages for global caching, will not monitor the status of Home Cache Clusters, and will not send global topic prefix status messages. Transitioning from "no shutdown" to "shutdown" will cause the Cache Instances in the cluster to remove all subscriptions and cached messages for topics that have been learned from the Home Cache Clusters. The [no] version of this command enables the global caching feature. [no] topic-lifetime - Configure the time interval after which, if no client requests have been received for a given global topic, the Cache Instance will unsubscribe from that topic, and delete any messages which are still cached for the topic. A value of '0' disables aging.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> global-caching heartbeat**

COMMAND:

heartbeat <seconds> no heartbeat

DESCRIPTION:

Configure the heartbeat interval used by the Cache Instances to monitor connectivity with the Designated Appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [1..255] - Heartbeat interval in seconds.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> global-caching home-cache-cluster**

COMMAND:

home-cache-cluster <name> create home-cache-cluster <name> no home-cache-cluster <name>

DESCRIPTION:

Enter config mode for home cache cluster of global caching of this Cache Cluster.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..200 chars] - The name of the Home Cache Cluster, in another Distributed Cache, which hosts the specified topic. Must be a valid topic without hierarchy, whitespace, or ?.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> global-caching home-cache-cluster <name> topic-prefix**

COMMAND:

topic-prefix <topic-prefix> no topic-prefix <topic-prefix>

DESCRIPTION:

Add or remove a topic-prefix for global topics which are available from the specified Home Cache Cluster in the network.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<topic-prefix> [1..250 chars] - Topic prefix which is available from a Cache Cluster in another Distributed Cache. Each prefix must be unique, unambiguous, and non-overlapping with other configured topics (local or global) when performing simple string comparisons. For example "a/>" and "a/b/>" are ambiguous overlapping prefixes, but "a/b/>", and "a/c/>" are unique). A wildcard "/>" is implied at the end of the prefix. It is an error to explicitly specify a wildcard expression in the configured topic-prefix.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> global-caching shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disable the global caching feature. When disabled, the Cache Cluster will not attempt to fetch topics from the Home Cache Clusters, will not send heartbeat messages for global caching, will not monitor the status of Home Cache Clusters, and will not send global topic prefix status messages. Transitioning from "no shutdown" to "shutdown" will cause the Cache Instances in the cluster to remove all subscriptions and cached messages for topics that have been learned from the Home Cache Clusters. The [no] version of this command enables the global caching feature.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> global-caching topic-lifetime**

COMMAND:

topic-lifetime <seconds> no topic-lifetime

DESCRIPTION:

Configure the time interval after which, if no client requests have been received for a given global topic, the Cache Instance will unsubscribe from that topic, and delete any messages which are still cached for the topic. A value of '0' disables aging.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [0..4294967295U] - Topic lifetime in seconds.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> max-memory**

COMMAND:

max-memory <megabytes> no max-memory

DESCRIPTION:

Configure the maximum memory consumption for instances of this cluster.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<megabytes> [128..4294967294U] - Number of megabytes, 1 MB = 1024 x 1024 bytes.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> max-messages-per-topic**

COMMAND:

max-messages-per-topic <num-messages> no max-messages-per-topic

DESCRIPTION:

Configure the maximum messages per topic for instances of this cluster.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num-messages> [1..2147483647] - Number of messages.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> max-topics**

COMMAND:

max-topics <num-topics> no max-topics

DESCRIPTION:

Configure the maximum topics held by a single instance of this cluster.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num-topics> [1..4000000] - Maximum number of topics.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> message-lifetime**

COMMAND:

message-lifetime <seconds> no message-lifetime

DESCRIPTION:

Configure the lifetime of messages held by instances of this cluster.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [3..4294967294U] - Lifetime of a message in seconds.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> new-topic-advertisement**

COMMAND:

[no] new-topic-advertisement

DESCRIPTION:

Enable the advertising, onto the Message Bus, of any new topics learned by the Cache Instances in this Cache Cluster. The [no] version of this command disables new topic advertisements.

The default value is no new-topic-advertisement.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> request-queue-depth**

COMMAND:

request-queue-depth <num-messages> no request-queue-depth

DESCRIPTION:

Configure the maximum queue depth for received cache requests.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num-messages> [1..200000] - Maximum number of messages in request queue.

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable/disable the current Cache Cluster.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure distributed-cache <name> message-vpn <vpn-name> cache-cluster <name> topic**

COMMAND:

topic <topic-str> no topic <topic-str>

DESCRIPTION:

Add or remove topic covered by this cluster.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<topic-str> [1..250 chars] - Topic subscription

**configure distributed-cache <name> message-vpn <vpn-name> heartbeat**

COMMAND:

heartbeat <seconds> no heartbeat

DESCRIPTION:

Configure the heartbeat interval

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [3..60] - The heartbeat interval.

**configure distributed-cache <name> message-vpn <vpn-name> scheduled-delete-message**

COMMAND:

scheduled-delete-message [days <days-of-week>] times <times-of-day> no scheduled-delete-message

DESCRIPTION:

Configure the scheduled delete message day(s) and time(s)

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

days <days-of-week> [list of days] - Comma-separated list of days, or numbers where 0 is Sunday, 1 is Monday, etc. Default is daily. times <times-of-day> [list of times] - Hourly or comma-separated list of times of the form hh:mm where hh is [0..23] and mm is [0..59].

**configure distributed-cache <name> message-vpn <vpn-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable/disable the current Distributed Cache.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure dns**

COMMAND:

dns [name-server ... | polled-domain-name ...]

DESCRIPTION:

Use this command to enter Domain Name System (DNS) configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] name-server - Use this command to provision a DNS server. The "no" version de-provisions an existing DNS server and deletes all associated configuration values. A maximum of 3 name servers is allowed. [no] polled-domain-name - Configure the domain name that will be looked up periodically in order to determine the reachability of the name servers. By default, the configured domain name is "www.solacesystems.com". The "no" version reverts the domain name to its default value.

**configure dns name-server**

COMMAND:

name-server <ip-addr> no name-server <ip-addr>

DESCRIPTION:

Use this command to provision a DNS server. The "no" version de-provisions an existing DNS server and deletes all associated configuration values. A maximum of 3 name servers is allowed.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<ip-addr> [nnn.nnn.nnn.nnn] - IP address

**configure dns polled-domain-name**

COMMAND:

polled-domain-name <domain-name> no polled-domain-name

DESCRIPTION:

Configure the domain name that will be looked up periodically in order to determine the reachability of the name servers. By default, the configured domain name is "www.solacesystems.com". The "no" version reverts the domain name to its default value.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<domain-name> [string] - The domain name looked-up in order to determine the status of the name servers

**configure hardware**

COMMAND:

hardware [disk ... | message-spool | power-redundancy ... | topic-routing]

DESCRIPTION:

Use this command to configure routing modules and disks on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

disk - Enable/disable hard disk [no] message-spool - Configure message spool hardware options power-redundancy - Configure power-redundancy [no] topic-routing - Configure topic routing hardware options

**configure hardware disk**

COMMAND:

disk <disk-name> [no] shutdown

DESCRIPTION:

Enable/disable hard disk

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<disk-name> [1..4] - The name of the top disk is 1; and increments to the bottom slot. no - Enable the disk shutdown - Disable the disk

**configure hardware message-spool**

COMMAND:

message-spool [disk-array ... | event | internal-disk | max-cache-usage ... | max-spool-usage ... | shutdown ... | transaction]

DESCRIPTION:

Configure message spool hardware options

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] disk-array - Configures the WWN number to use when accessing a LUN on an external disk array. The "no internal-disk" command must have been issued (ie system configured for accessing the external disk array) for the WWN valued to be relevant. The "no disk-array" command resets the WWN to its default value of Null. This command only affects the system behavior if configured to spool to an external disk. The WWN number cannot be configured if the spooling is not shutdown and uses the disk array. [no] event - Enter message spool event configuration mode. [no] internal-disk - Enable/disable use of the appliance's internal disk drive for message spooling. When disabled, an external disk array is used for message spooling. This command is only allowed when spooling is shutdown. The operator must first "shutdown" message spooling before changing between internal and external disks. This command is no allowed when there are messages spooled. The operator must first delete all spooled messages for all subscribers. internal-disk cannot be enabled if redundancy is enabled on the appliance. The internal disk can only be used when redundancy is "shutdown". [no] max-cache-usage - Configure guaranteed message cache usage limit [no] max-spool-usage - Configure message spool usage limit [no] shutdown - Enable/disable message-spooling for the appliance [no] transaction - Enter message spool transaction configuration mode.

**configure hardware message-spool disk-array**

COMMAND:

disk-array wwn <wwn> no disk-array

DESCRIPTION:

Configures the WWN number to use when accessing a LUN on an external disk array. The "no internal-disk" command must have been issued (ie system configured for accessing the external disk array) for the WWN valued to be relevant.

The "no disk-array" command resets the WWN to its default value of Null.

This command only affects the system behavior if configured to spool to an external disk.

The WWN number cannot be configured if the spooling is not shutdown and uses the disk array.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

wwn <wwn> [1..64 chars] - If the WWN is in NAA format it is either an 8 or 16 byte number represented as a string of hex characters separated by colons starting with 1,2,5 or 6. For example: 50:00:2a:c0:00:f1:33:74 60:06:01:60:bf:51:12:00:9a:fb:40:97:83:3f:dc:1 1 If it is not in NAA format it can be any string without colons.

**configure hardware message-spool event**

COMMAND:

event [cache-usage | delivered-unacked | disk-usage | egress-flows | endpoints | ingress-flows | message-count | spool-files | spool-usage | transacted-session-resources | transacted-sessions | transactions]

DESCRIPTION:

Enter message spool event configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] cache-usage - Configure the event thresholds for the cache usage [no] delivered-unacked - Configure the event thresholds for the total number of delivered but unacked messages at system level. [no] disk-usage - Configure the event thresholds for the active disk partition usage at system level. [no] egress-flows - Configure the event thresholds for the egress flows at system level. [no] endpoints - Configure the event thresholds for the number of queues and topic endpoints at system level [no] ingress-flows - Configure the event thresholds for the ingress flows at system level. [no] message-count - Configure the event thresholds for the total number of spooled messages at system level. [no] spool-files - Configure the event thresholds for the spool files at system level. [no] spool-usage - Configure the event thresholds for the system level spool usage. [no] transacted-session-resources - Configure the event thresholds for the total number of transacted session resources at system level. [no] transacted-sessions - Configure the event thresholds for guaranteed data transacted sessions allowed at the system level. [no] transactions - Configure the event thresholds for guaranteed data transactions allowed at the system level.

**configure hardware message-spool event cache-usage**

COMMAND:

cache-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the cache usage

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the cache usage event, either as a percentage of max-cache-usage or as a usage directly

**configure hardware message-spool event cache-usage thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the cache usage event, either as a percentage of max-cache-usage or as a usage directly

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-cache-usage value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-cache-usage value

**configure hardware message-spool event delivered-unacked**

COMMAND:

delivered-unacked [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the total number of delivered but unacked messages at system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of delivered but unacked messages at system level event as a percentage of the maximum system limit.

**configure hardware message-spool event delivered-unacked thresholds**

COMMAND:

thresholds [set-percentage <set-percentage>] [clear-percentage <clear-percentage>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of delivered but unacked messages at system level event as a percentage of the maximum system limit.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the maximum number of delivered-unacked messages value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the maximum number of delivered-unacked messages value

**configure hardware message-spool event disk-usage**

COMMAND:

disk-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the active disk partition usage at system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the active disk partition usage at system level event as a percentage of the maximum system limit.

**configure hardware message-spool event disk-usage thresholds**

COMMAND:

thresholds [set-percentage <set-percentage>] [clear-percentage <clear-percentage>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the active disk partition usage at system level event as a percentage of the maximum system limit.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the active disk partition usage value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the active disk partition usage value

**configure hardware message-spool event egress-flows**

COMMAND:

egress-flows [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the egress flows at system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of egress flows at system level event, either as a percentage of maximum number of egress flows at system level, or as a count.

**configure hardware message-spool event egress-flows thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of egress flows at system level event, either as a percentage of maximum number of egress flows at system level, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the maximum number of egress flows value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the maximum number of egress flows value

**configure hardware message-spool event endpoints**

COMMAND:

endpoints [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the number of queues and topic endpoints at system level

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of endpoints at system level event, either as a percentage of maximum number of endpoints at system level, or as a count.

**configure hardware message-spool event endpoints thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of endpoints at system level event, either as a percentage of maximum number of endpoints at system level, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the maximum number of queues and topic endpoints value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the maximum number of queues and topic endpoints value

**configure hardware message-spool event ingress-flows**

COMMAND:

ingress-flows [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the ingress flows at system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of ingress flows at system level event, either as a percentage of maximum number of ingress flows at system level, or as a count.

**configure hardware message-spool event ingress-flows thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of ingress flows at system level event, either as a percentage of maximum number of ingress flows at system level, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the maximum number of ingress flows value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the maximum number of ingress flows value

**configure hardware message-spool event message-count**

COMMAND:

message-count [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the total number of spooled messages at system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of spool messages at system level event as a percentage of the maximum system limit.

**configure hardware message-spool event message-count thresholds**

COMMAND:

thresholds [set-percentage <set-percentage>] [clear-percentage <clear-percentage>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of spool messages at system level event as a percentage of the maximum system limit.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the maximum number of spool messages value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the maximum number of spool messages value

**configure hardware message-spool event spool-files**

COMMAND:

spool-files [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the spool files at system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of spool files at system level event as a percentage of the maximum system limit.

**configure hardware message-spool event spool-files thresholds**

COMMAND:

thresholds [set-percentage <set-percentage>] [clear-percentage <clear-percentage>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of spool files at system level event as a percentage of the maximum system limit.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the maximum number of spool files value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the maximum number of spool files value

**configure hardware message-spool event spool-usage**

COMMAND:

spool-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the system level spool usage.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the system level spool usage event, either as a percentage of max-spool-usage at system level, or as a count (in MB)

**configure hardware message-spool event spool-usage thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the system level spool usage event, either as a percentage of max-spool-usage at system level, or as a count (in MB)

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-spool-usage value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-spool-usage value

**configure hardware message-spool event transacted-session-resources**

COMMAND:

transacted-session-resources [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the total number of transacted session resources at system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the transacted session resources at system level event as a percentage of the maximum system limit.

**configure hardware message-spool event transacted-session-resources thresholds**

COMMAND:

thresholds [set-percentage <set-percentage>] [clear-percentage <clear-percentage>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the transacted session resources at system level event as a percentage of the maximum system limit.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the maximum number of transacted-session-resources messages value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the maximum number of transacted-session-resources messages value

**configure hardware message-spool event transacted-sessions**

COMMAND:

transacted-sessions [thresholds ...]

DESCRIPTION:

Configure the event thresholds for guaranteed data transacted sessions allowed at the system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the system level guaranteed data transacted sessions event, either as a percentage of the system level max-transacted-sessions value or as a count.

**configure hardware message-spool event transacted-sessions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the system level guaranteed data transacted sessions event, either as a percentage of the system level max-transacted-sessions value or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-transacted-sessions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-transacted-sessions value

**configure hardware message-spool event transactions**

COMMAND:

transactions [thresholds ...]

DESCRIPTION:

Configure the event thresholds for guaranteed data transactions allowed at the system level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the system level guaranteed data transactions event, either as a percentage of the system level max-transactions value or as a count.

**configure hardware message-spool event transactions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the system level guaranteed data transactions event, either as a percentage of the system level max-transactions value or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-transactions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-transactions value

**configure hardware message-spool internal-disk**

COMMAND:

[no] internal-disk

DESCRIPTION:

Enable/disable use of the appliance's internal disk drive for message spooling. When disabled, an external disk array is used for message spooling.

This command is only allowed when spooling is shutdown. The operator must first "shutdown" message spooling before changing between internal and external disks.

This command is no allowed when there are messages spooled. The operator must first delete all spooled messages for all subscribers.

internal-disk cannot be enabled if redundancy is enabled on the appliance. The internal disk can only be used when redundancy is "shutdown".

The default value is no internal-disk.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure hardware message-spool max-cache-usage**

COMMAND:

max-cache-usage <percent-usage> no max-cache-usage

DESCRIPTION:

Configure guaranteed message cache usage limit

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<percent-usage> [0..50] - Maximum percentage of the NAB's egress queuing resources that the guaranteed message cache is allowed to use

**configure hardware message-spool max-spool-usage**

COMMAND:

max-spool-usage <size> no max-spool-usage

DESCRIPTION:

Configure message spool usage limit

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<size> [0..6000000] - Maximum spool usage in MB

**configure hardware message-spool shutdown**

COMMAND:

shutdown no shutdown {primary | backup}

DESCRIPTION:

Enable/disable message-spooling for the appliance

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

primary - enable spooling for primary router backup - enable spooling for backup router instead of primary

**configure hardware message-spool transaction**

COMMAND:

transaction [replication-compatibility-mode ...]

DESCRIPTION:

Enter message spool transaction configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] replication-compatibility-mode - Configure/reset the replication compatibility mode for the appliance. When set to the legacy mode, all transactions originated by clients are replicated to the standby site without using transactions. When set to the transacted mode, all transactions originated by clients are replicated to the standby site using transactions. The no version of the command resets the value to its default value. Changing the replication compatibility mode is service impacting and some messages that are part of a replicated transaction may not get replicated to the standby site. Please follow proper documented procedure before proceeding. Default: legacy.

**configure hardware message-spool transaction replication-compatibility-mode**

COMMAND:

replication-compatibility-mode {legacy | transacted} no replication-compatibility-mode

DESCRIPTION:

Configure/reset the replication compatibility mode for the appliance. When set to the legacy mode, all transactions originated by clients are replicated to the standby site without using transactions. When set to the transacted mode, all transactions originated by clients are replicated to the standby site using transactions. The no version of the command resets the value to its default value. Changing the replication compatibility mode is service impacting and some messages that are part of a replicated transaction may not get replicated to the standby site. Please follow proper documented procedure before proceeding. Default: legacy.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

legacy - All transactions originated by clients are replicated to the standby site without using transactions. transacted - All transactions originated by clients are replicated to the standby site using transactions.

**configure hardware power-redundancy**

COMMAND:

power-redundancy <type>

DESCRIPTION:

Configure power-redundancy

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<type> [string] - Expected power supply redundancy.

**configure hardware topic-routing**

COMMAND:

topic-routing [acl-topic-matching-mode ...]

DESCRIPTION:

Configure topic routing hardware options

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] acl-topic-matching-mode - Sets the ACL topic-matching mode for the special #P2P topics used by the Solace appliance. If the ACL topic-matching mode changes from legacy to enforce-for-queues (either when the SolOS version used by the appliance is upgraded or through a manual configuration) some #P2P topics which previously bypassed ACL enforcement may be blocked. To specifically allow a topic that is denied after the change add an appropriate topic-exception to the acl-profile used by the client.

**configure hardware topic-routing acl-topic-matching-mode**

COMMAND:

acl-topic-matching-mode {legacy | enforce-for-queues} no acl-topic-matching-mode

DESCRIPTION:

Sets the ACL topic-matching mode for the special #P2P topics used by the Solace appliance. If the ACL topic-matching mode changes from legacy to enforce-for-queues (either when the SolOS version used by the appliance is upgraded or through a manual configuration) some #P2P topics which previously bypassed ACL enforcement may be blocked. To specifically allow a topic that is denied after the change add an appropriate topic-exception to the acl-profile used by the client.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

legacy - Ignore publish or subscribe ACL rules for any topics matching '#P2P' or '#P2P/>' (default prior to SolOS 7.1). This mode is less restrictive than enforce-for-queues mode. enforce-for-queues - Ignore publish or subscribe ACL rules for any topics matching '#P2P/v:\*' or '#P2P/v:\*/>' (default as of SolOS 7.1). This mode is more restrictive than legacy mode.

**configure hostname**

COMMAND:

hostname <name> [defer] no hostname [defer]

DESCRIPTION:

Configure the host name.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..50 chars] - The hostname to assign to the appliance. Cannot start with `v:', which stands for virtual router. The "no" version of the command resets the host name to the default value (solace). defer - defer configuration. The deferred value will be applied following an appliance restart.

**configure interface**

COMMAND:

interface <phy-interface> [<mode>] create interface <phy-interface> <mode> no interface <phy-interface>

DESCRIPTION:

Use this command to enter interface configuration mode to configure ethernet or Link Aggregation Group (LAG) parameters for physical interfaces on appliances, on an interface by interface basis.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<phy-interface> [string] - (chassis/lag1 | <cartridge>/<slot>/lag<N>) Examples: "chassis/lag1", "1/6/lag1" <mode> [string] - (lacp | active-backup) Examples: "lacp", "active-backup"

**configure interface <phy-interface> member**

COMMAND:

member <phy-interface> no member <phy-interface>

DESCRIPTION:

Add/remove LAG interface members

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<phy-interface> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1"

**configure interface <phy-interface> primary-member**

COMMAND:

primary-member <phy-interface> no primary-member

DESCRIPTION:

Configure primary member for active-backup mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<phy-interface> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1"

**configure interface <phy-interface> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Shutdown this interface

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure interface <phy-interface> traffic-shaping**

COMMAND:

traffic-shaping [egress]

DESCRIPTION:

Enter traffic shaping configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] egress - Enter egress traffic shaping configuration.

**configure interface <phy-interface> traffic-shaping egress**

COMMAND:

egress [rate-limit ... | shutdown]

DESCRIPTION:

Enter egress traffic shaping configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] rate-limit - Configure the maximum sustained egress bit rate, and enable egress traffic shaping on this physical interface. Operational rates will not match exactly the configured rate. The operation rate limit is a product of CPU timing limitations, and will reflect the best available match without exceeding the configured value. [no] shutdown - Shutdown this interface

**configure interface <phy-interface> traffic-shaping egress rate-limit**

COMMAND:

rate-limit <mbps> no rate-limit

DESCRIPTION:

Configure the maximum sustained egress bit rate, and enable egress traffic shaping on this physical interface. Operational rates will not match exactly the configured rate. The operation rate limit is a product of CPU timing limitations, and will reflect the best available match without exceeding the configured value.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<mbps> [2..4294967295U] - maximum sustained egress rate in mega bits per second

**configure interface <phy-interface> traffic-shaping egress shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Shutdown this interface

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure ip**

COMMAND:

ip [vrf ...]

DESCRIPTION:

Use this command to configure IP VPN parameters on appliances.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] vrf - Configure Virtual Routing and Forwarding instances

**configure ip vrf**

COMMAND:

vrf <name> no vrf <name>

DESCRIPTION:

Configure Virtual Routing and Forwarding instances

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [string] - Name to uniquely identify the VRF instance. (management | msg-backbone | <name>) management - management VRF msg-backbone - message backbone VRF

**configure ip vrf <name> interface**

COMMAND:

interface <ip-interface> [primary | backup | static] create interface <ip-interface> [primary | backup | static] no interface <ip-interface> [primary | backup | static]

DESCRIPTION:

Add an IP interface to this VRF routing domain and configure it

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<ip-interface> [string] - (eth<port>:<ip> | chassis/lag1:1 | <cartridge>/<slot>/<port>:<ip> | <cartridge>/<slot>/lag<N>:<ip>) Examples: "eth1:1", "chassis/lag1:1", "1/5/2:3", "1/6/lag1:2" primary - interface for primary virtual router backup - interface for backup virtual router static - static interface irrespective of virtual router

**configure ip vrf <name> interface <ip-interface> ip-address**

COMMAND:

ip-address <cidr-addr> no ip-address

DESCRIPTION:

Configure ip addresses

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<cidr-addr> [nnn.nnn.nnn.nnn/dd] - IP address/Netmask combination in CIDR form

**configure ip vrf <name> interface <ip-interface> kerberos**

COMMAND:

kerberos [service-principal-name ...]

DESCRIPTION:

Configure kerberos attributes on the interface

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] service-principal-name - Configure the Kerberos Service Principal Name (SPN) to be used for Kerberos connections established to this IP address

**configure ip vrf <name> interface <ip-interface> kerberos service-principal-name**

COMMAND:

service-principal-name <name> no service-principal-name

DESCRIPTION:

Configure the Kerberos Service Principal Name (SPN) to be used for Kerberos connections established to this IP address

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [string] - Kerberos Service Principal Name (SPN) of the form host/<fully-qualified-domain-name>@<Kerberos Realm>

**configure ip vrf <name> interface <ip-interface> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Shutdown this IP interface

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure ip vrf <name> route**

COMMAND:

route {default | <cidr-addr>} <ip-addr> [<interface>] no route {default | <cidr-addr>} [<interface>]

DESCRIPTION:

Add/Delete IP routes

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

default - default route <cidr-addr> [nnn.nnn.nnn.nnn/dd] - IP address/Netmask combination in CIDR form <ip-addr> [nnn.nnn.nnn.nnn] - IP address <interface> [string] - IP interface (for management VRF) or physical interface (for msg-backbone VRF). IP interface has format as (eth<port>:<ip> | chassis/lag1:1 Examples: "eth1:1", "chassis/lag1:1" Physical interface has format as <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N> Examples: "1/5/2", "1/6/lag1"

**configure jndi**

COMMAND:

jndi message-vpn <vpn-name>

DESCRIPTION:

Use this command to configure standard Java Naming and Directory Interface (JNDI) objects Connection Factory, Topic, and Queue on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-vpn <vpn-name> [1..32 chars] - Message VPN the JNDI is configured against.

**configure jndi message-vpn <vpn-name> connection-factory**

COMMAND:

connection-factory <name> create connection-factory <name> no connection-factory <name>

DESCRIPTION:

Configure connection-factory object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..256 chars excluding \*, ?, and whitespace] - JNDI object name

**configure jndi message-vpn <vpn-name> connection-factory <name> property**

COMMAND:

property <name> <value> no property <name>

DESCRIPTION:

Configure a property of the object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..64 chars] - Property name <value> [1..256 chars] - Property value

PROPERTIES:

send-ad-window-size : 1 to 255 send-ack-timer : 20 to 60000 receive-ad-window-size : 1 to 255 receive-ack-timer : 20 to 1500 receive-ack-threshold : 1 to 75

**configure jndi message-vpn <vpn-name> connection-factory <name> property-list**

COMMAND:

property-list <name>

DESCRIPTION:

Configure a property-list of the object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..64 chars] - Property-list name

PROPERTY LISTS:

messaging-properties transport-properties ad-properties deliver-to-one-properties dynamic-endpoint-properties client-properties

**configure jndi message-vpn <vpn-name> connection-factory <name> property-list <name> property**

COMMAND:

property <name> <value> no property <name>

DESCRIPTION:

Configure a property of the property-list

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..64 chars] - Property name <value> [1..256 chars] - Property value

PROPERTIES:

send-ad-window-size : 1 to 255 send-ack-timer : 20 to 60000 receive-ad-window-size : 1 to 255 receive-ack-timer : 20 to 1500 receive-ack-threshold : 1 to 75

**configure jndi message-vpn <vpn-name> queue**

COMMAND:

queue <name> create queue <name> no queue <name>

DESCRIPTION:

Configure queue object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..256 chars excluding \*, ?, and whitespace] - JNDI object name

**configure jndi message-vpn <vpn-name> queue <name> property**

COMMAND:

property <name> <value> no property <name>

DESCRIPTION:

Configure a property of the object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..64 chars] - Property name <value> [1..256 chars] - Property value

PROPERTIES:

**configure jndi message-vpn <vpn-name> queue <name> property-list**

COMMAND:

property-list <name>

DESCRIPTION:

Configure a property-list of the object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..64 chars] - Property-list name

PROPERTY LISTS:

**configure jndi message-vpn <vpn-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable/disable JNDI access for clients

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure jndi message-vpn <vpn-name> topic**

COMMAND:

topic <name> create topic <name> no topic <name>

DESCRIPTION:

Configure topic object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..256 chars excluding \*, ?, and whitespace] - JNDI object name

**configure jndi message-vpn <vpn-name> topic <name> property**

COMMAND:

property <name> <value> no property <name>

DESCRIPTION:

Configure a property of the object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..64 chars] - Property name <value> [1..256 chars] - Property value

PROPERTIES:

**configure jndi message-vpn <vpn-name> topic <name> property-list**

COMMAND:

property-list <name>

DESCRIPTION:

Configure a property-list of the object

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..64 chars] - Property-list name

PROPERTY LISTS:

**configure logging**

COMMAND:

logging [command ... | debug ... | event | millisecond-timestamp]

DESCRIPTION:

Enter logging configuration mode, to configure command and debug logging parameters

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] command - Configure command logging [no] debug - Configure debug logging [no] event - Enter system event configuration. [no] millisecond-timestamp - Enables millisecond in logging record timestamp.The no version resets back to default.

**configure logging command**

COMMAND:

command {cli | semp-mgmt | semp-msgbus | all} mode {shutdown | config-cmds | all-cmds} no command {cli | semp-mgmt | semp-msgbus | all}

DESCRIPTION:

Configure command logging

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

cli - Configure cli command logging semp-mgmt - Configure semp/mgmt command logging semp-msgbus - Configure semp/msgbus command logging all - Configure cli and semp command logging mode - Set the logging mode to one of the following: shutdown - do not log any commands config-cmds - log only configuration commands all-cmds - log all commands to the command log

**configure logging debug**

COMMAND:

debug {<subsystem-id> | all} [level <level>] [mask <mask>] no debug {<subsystem-id> | all}

DESCRIPTION:

Configure debug logging

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<subsystem-id> [string] - Sub System ID all - Configure all Sub System IDs at once level <level> [string] - Change the logging level for given Sub System ID mask <mask> [string] - Change the mask for given Sub System ID

**configure logging event**

COMMAND:

event [publish-system | system-tag ...]

DESCRIPTION:

Enter system event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] publish-system - Enable system level event message publishing. The no version of the command disables system level event message publishing. [no] system-tag - Configure a tag string to prefix system publish events.

**configure logging event publish-system**

COMMAND:

[no] publish-system

DESCRIPTION:

Enable system level event message publishing. The no version of the command disables system level event message publishing.

The default value is no publish-system.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure logging event system-tag**

COMMAND:

system-tag <tag-string> no system-tag

DESCRIPTION:

Configure a tag string to prefix system publish events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<tag-string> [1..32 chars] - String with no whitespace, '?', '\*', or quote chars.

**configure logging millisecond-timestamp**

COMMAND:

[no] millisecond-timestamp

DESCRIPTION:

Enables millisecond in logging record timestamp.The no version resets back to default.

The default value is no millisecond-timestamp.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure memory-event**

COMMAND:

memory-event [nab-buffer-load-factor | physical-memory | subscriptions-memory]

DESCRIPTION:

Use this command to configure the threshold values for memory usage events on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] nab-buffer-load-factor - Configure the event for NAB buffer load factor. [no] physical-memory - Configure the event for physical memory utilization as percentage. [no] subscriptions-memory - Configure the event for subscriptions memory utilization as percentage.

**configure memory-event nab-buffer-load-factor**

COMMAND:

nab-buffer-load-factor [thresholds ...]

DESCRIPTION:

Configure the event for NAB buffer load factor.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the NAB buffer load factor event

**configure memory-event nab-buffer-load-factor thresholds**

COMMAND:

thresholds [set-percentage <set-percentage>] [clear-percentage <clear-percentage>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the NAB buffer load factor event

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-percentage <set-percentage> [0..100] - Threshold set value. clear-percentage <clear-percentage> [0..100] - Threshold clear value.

**configure memory-event physical-memory**

COMMAND:

physical-memory [thresholds ...]

DESCRIPTION:

Configure the event for physical memory utilization as percentage.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the physical memory utilization event.

**configure memory-event physical-memory thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the physical memory utilization event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..100] - Threshold set value. clear-value <clear-value> [0..100] - Threshold clear value.

**configure memory-event subscriptions-memory**

COMMAND:

subscriptions-memory [thresholds ...]

DESCRIPTION:

Configure the event for subscriptions memory utilization as percentage.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the subscriptions memory utilization event

**configure memory-event subscriptions-memory thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the subscriptions memory utilization event

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..100] - Threshold set value. clear-value <clear-value> [0..100] - Threshold clear value.

**configure message-spool**

COMMAND:

message-spool message-vpn <vpn-name>

DESCRIPTION:

Use this command to configure message spool parameters for Guaranteed Messaging on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-vpn <vpn-name> [1..32 chars] - Message VPN the message-spool belongs to

**configure message-spool message-vpn <vpn-name> event**

COMMAND:

event [egress-flows | endpoints | ingress-flows | spool-usage | transacted-sessions | transactions]

DESCRIPTION:

Enter event configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] egress-flows - Configure the event thresholds for the number of egress flows allowed at VPN level. [no] endpoints - Configure the event thresholds for the number of queues and topic endpoints allowed at VPN level. [no] ingress-flows - Configure the event thresholds for the number of ingress flows allowed at VPN level. [no] spool-usage - Configure the event thresholds for the vpn level spool usage. [no] transacted-sessions - Configure the event thresholds for guaranteed data transactions on this Message VPN. [no] transactions - Configure the event thresholds for guaranteed data transacted sessions on this Message VPN.

**configure message-spool message-vpn <vpn-name> event egress-flows**

COMMAND:

egress-flows [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the number of egress flows allowed at VPN level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of egress flows at VPN level event, either as percentage of maximum number of egress flows at VPN level, or as a count.

**configure message-spool message-vpn <vpn-name> event egress-flows thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of egress flows at VPN level event, either as percentage of maximum number of egress flows at VPN level, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-egress-flows value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-egress-flows value

**configure message-spool message-vpn <vpn-name> event endpoints**

COMMAND:

endpoints [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the number of queues and topic endpoints allowed at VPN level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of endpoints at VPN level event, either as percentage of maximum number of endpoints at VPN level, or as a count.

**configure message-spool message-vpn <vpn-name> event endpoints thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of endpoints at VPN level event, either as percentage of maximum number of endpoints at VPN level, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-endpoints value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-endpoints value

**configure message-spool message-vpn <vpn-name> event ingress-flows**

COMMAND:

ingress-flows [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the number of ingress flows allowed at VPN level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of ingress flows at VPN level event, either as percentage of maximum number of ingress flows at VPN level, or as a count.

**configure message-spool message-vpn <vpn-name> event ingress-flows thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of ingress flows at VPN level event, either as percentage of maximum number of ingress flows at VPN level, or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-ingress-flows value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-ingress-flows value

**configure message-spool message-vpn <vpn-name> event spool-usage**

COMMAND:

spool-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the vpn level spool usage.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the vpn level spool usage event, either as a percentage of max-spool-usage at vpn level, or as a count(in MB).

**configure message-spool message-vpn <vpn-name> event spool-usage thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the vpn level spool usage event, either as a percentage of max-spool-usage at vpn level, or as a count(in MB).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-usage-spool value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-usage-spool value

**configure message-spool message-vpn <vpn-name> event transacted-sessions**

COMMAND:

transacted-sessions [thresholds ...]

DESCRIPTION:

Configure the event thresholds for guaranteed data transactions on this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the VPN level transacted sessions event, either as a percentage of the maximum number of guaranteed data transacted sessions allowed on this Message VPN or as a count.

**configure message-spool message-vpn <vpn-name> event transacted-sessions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the VPN level transacted sessions event, either as a percentage of the maximum number of guaranteed data transacted sessions allowed on this Message VPN or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-transacted-sessions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-transacted-sessions value

**configure message-spool message-vpn <vpn-name> event transactions**

COMMAND:

transactions [thresholds ...]

DESCRIPTION:

Configure the event thresholds for guaranteed data transacted sessions on this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the VPN level transactions event, either as a percentage of the maximum number of guaranteed data transactions allowed on this Message VPN or as a count.

**configure message-spool message-vpn <vpn-name> event transactions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the VPN level transactions event, either as a percentage of the maximum number of guaranteed data transactions allowed on this Message VPN or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-transactions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-transactions value

**configure message-spool message-vpn <vpn-name> max-egress-flows**

COMMAND:

max-egress-flows <value> no max-egress-flows

DESCRIPTION:

The maximum number of egress flows that can be created on this Message VPN.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..100000] - Maximum number of egress flows

**configure message-spool message-vpn <vpn-name> max-endpoints**

COMMAND:

max-endpoints <value> no max-endpoints

DESCRIPTION:

The maximum number of queues and topic endpoints that can be created on this Message VPN.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..100000] - Maximum number of queues and topic endpoints

**configure message-spool message-vpn <vpn-name> max-ingress-flows**

COMMAND:

max-ingress-flows <value> no max-ingress-flows

DESCRIPTION:

The maximum number of ingress flows that can be created on this Message VPN.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - Maximum number of ingress flows

**configure message-spool message-vpn <vpn-name> max-spool-usage**

COMMAND:

max-spool-usage <size> no max-spool-usage

DESCRIPTION:

Max spool usage (in MB) allowed for the Message VPN.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..6000000] - Maximum spool usage in MB

**configure message-spool message-vpn <vpn-name> max-transacted-sessions**

COMMAND:

max-transacted-sessions <value> no max-transacted-sessions

DESCRIPTION:

The maximum number of transacted sessions for this Message VPN.

The no version of the command returns its value to the default (16000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..16000] - Maximum transacted sessions

**configure message-spool message-vpn <vpn-name> max-transactions**

COMMAND:

max-transactions <value> no max-transactions

DESCRIPTION:

The maximum number of transactions for this Message VPN.

The no version of the command returns its value to the default (50000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..50000] - Maximum transactions

**configure message-spool message-vpn <vpn-name> queue**

COMMAND:

queue <name> create queue <name> no queue <name>

DESCRIPTION:

Create or configure a queue

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..200 chars] - Queue name or #DEAD\_MSG\_QUEUE

**configure message-spool message-vpn <vpn-name> queue <name> access-type**

COMMAND:

access-type {exclusive | non-exclusive} no access-type

DESCRIPTION:

The queue access type of either exclusive or non-exclusive.

The no version of the command returns its value to the default (exclusive).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

exclusive - Exclusive delivery of messages to first bound client non-exclusive - Non-exclusive delivery of messages to all bound clients

**configure message-spool message-vpn <vpn-name> queue <name> consumer-ack-propagation**

COMMAND:

[no] consumer-ack-propagation

DESCRIPTION:

Enable or disable the propagation of consumer acks received on the active replication Message VPN to the standby replication Message VPN.

The default value is consumer-ack-propagation.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-spool message-vpn <vpn-name> queue <name> dead-message-queue**

COMMAND:

dead-message-queue <dmq-name> no dead-message-queue

DESCRIPTION:

Identifies the name of the queue which should be used as the queue's dead message queue.

The no version of the command returns its value to the default (#DEAD\_MSG\_QUEUE).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<dmq-name> [1..200 chars] - Dead message queue to be used for the queue

**configure message-spool message-vpn <vpn-name> queue <name> event**

COMMAND:

event [bind-count | reject-low-priority-msg-limit | spool-usage]

DESCRIPTION:

Enter queue event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] bind-count - Enter bind-count event configuration. [no] reject-low-priority-msg-limit - Configure the event thresholds for reject-low-priority-msg-limit [no] spool-usage - Configure the event thresholds for the queue spool usage

**configure message-spool message-vpn <vpn-name> queue <name> event bind-count**

COMMAND:

bind-count [thresholds ...]

DESCRIPTION:

Enter bind-count event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the bind-count event, either as a percentage of max-bind-count or as a count

**configure message-spool message-vpn <vpn-name> queue <name> event bind-count thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the bind-count event, either as a percentage of max-bind-count or as a count

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-bind-count value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-bind-count value

**configure message-spool message-vpn <vpn-name> queue <name> event reject-low-priority-msg-limit**

COMMAND:

reject-low-priority-msg-limit [thresholds ...]

DESCRIPTION:

Configure the event thresholds for reject-low-priority-msg-limit

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the reject-low-priority-msg-limit event, either as a percentage of reject-low-priority-msg-limit or as a count.

**configure message-spool message-vpn <vpn-name> queue <name> event reject-low-priority-msg-limit thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the reject-low-priority-msg-limit event, either as a percentage of reject-low-priority-msg-limit or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the reject-low-priority-msg-limit value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the reject-low-priority-msg-limit value

**configure message-spool message-vpn <vpn-name> queue <name> event spool-usage**

COMMAND:

spool-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the queue spool usage

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the queue spool usage event, either as a percentage of queue max-spool-usage or as a count (in MB)

**configure message-spool message-vpn <vpn-name> queue <name> event spool-usage thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the queue spool usage event, either as a percentage of queue max-spool-usage or as a count (in MB)

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-spool-usage value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-spool-usage value

**configure message-spool message-vpn <vpn-name> queue <name> max-bind-count**

COMMAND:

max-bind-count <value> no max-bind-count

DESCRIPTION:

The maximum number of times a client(s) can bind to a given queue.

The no version of the command returns its value to the default (1000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..1000] - Maximum bind-count

**configure message-spool message-vpn <vpn-name> queue <name> max-delivered-unacked-msgs-per-flow**

COMMAND:

max-delivered-unacked-msgs-per-flow <max> no max-delivered-unacked-msgs-per-flow

DESCRIPTION:

The max messages delivered but not acknowledged per flow for this queue.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<max> [1..1000000] - Maximum unacked messages

**configure message-spool message-vpn <vpn-name> queue <name> max-message-size**

COMMAND:

max-message-size <size> no max-message-size

DESCRIPTION:

The max message size (in bytes) allowed in this queue.

The no version of the command returns its value to the default (10000000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..30000000] - Maximum message size in bytes

**configure message-spool message-vpn <vpn-name> queue <name> max-redelivery**

COMMAND:

max-redelivery <value> no max-redelivery

DESCRIPTION:

The maximum number of times the queue will attempt redelivery of a given message prior to it being discarded or moved to the #DEAD\_MSG\_QUEUE. A value of 0 means to retry forever.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..255] - Maximum message redelivery attempts

**configure message-spool message-vpn <vpn-name> queue <name> max-spool-usage**

COMMAND:

max-spool-usage <size> no max-spool-usage

DESCRIPTION:

The max spool usage (in MB) of this queue. Setting the value to 0 enables the last-value-queue feature and disables quota checking.

The no version of the command returns its value to the default (4000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..6000000] - Maximum spool usage in MB

**configure message-spool message-vpn <vpn-name> queue <name> max-ttl**

COMMAND:

max-ttl <ttl> no max-ttl

DESCRIPTION:

The maximum number of seconds that a message can stay in a queue or topic-endpoint when respect-ttl is enabled. A message will expire according to the lesser of the TTL in the message (assigned by the publisher) and the max-ttl configured on the endpoint. The max-ttl is a 32 bit integer value from 1 to 4294967295 representing the expiry time in seconds. A max-ttl of 0 disables this feature.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<ttl> [0..4294967295] - Maximum TTL in seconds

**configure message-spool message-vpn <vpn-name> queue <name> owner**

COMMAND:

owner <owner> no owner

DESCRIPTION:

The client-username owner of the queue.

The no version of the command returns its value to the default (no owner configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<owner> [1..189 chars] - Client username owner of the queue

**configure message-spool message-vpn <vpn-name> queue <name> permission**

COMMAND:

permission all {no-access | read-only | consume | modify-topic | delete} no permission

DESCRIPTION:

Permission level for users of the queue, excluding the owner.

The no version of the command returns its value to the default (no-access).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

all - Apply to all other users excluding the owner no-access - Disallows all access read-only - Read-only access to the messages in the queue consume - Consume (read and remove) messages in the queue modify-topic - Consume messages or modify the topic/selector of the queue delete - Consume messages or delete the queue altogether

**configure message-spool message-vpn <vpn-name> queue <name> reject-low-priority-msg**

COMMAND:

[no] reject-low-priority-msg

DESCRIPTION:

Enable or disable if low priority messages are subject to reject-low-priority-msg-limit checking. This may only be enabled if reject-msg-to-sender-on-discard is also enabled.

The default value is no reject-low-priority-msg.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-spool message-vpn <vpn-name> queue <name> reject-low-priority-msg-limit**

COMMAND:

reject-low-priority-msg-limit <limit> no reject-low-priority-msg-limit

DESCRIPTION:

The number of messages of any priority queued to an endpoint above which low priority messages are not admitted but higher priority messages are allowed into the endpoint.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<limit> [0..4294967295] - Maximum number of messages

**configure message-spool message-vpn <vpn-name> queue <name> reject-msg-to-sender-on-discard**

COMMAND:

reject-msg-to-sender-on-discard [including-when-shutdown] no reject-msg-to-sender-on-discard

DESCRIPTION:

Enable or disable the sending of a nack to the client on discards. If enabled, message discards result in nacks being returned to the sending client. If disabled, discards are silent. Note that nacks cause the message to not be delivered to any destination and transacted-session commits to fail. This may only be disabled if reject-low-priority-msg is also disabled.

The no version of the command returns its value to the default (True).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

including-when-shutdown - When this parameter is present, Nacks are returned to the sending client when a topic message is sent to the endpoint and the endpoint is shutdown. Note that this parameter only affects topic messages - messages published to queue names are always rejected to the sender when reject-msg-to-sender-on-discard is enabled and the queue is shutdown, regardless of the presence or absence of the "including-when-shutdown" parameter

**configure message-spool message-vpn <vpn-name> queue <name> respect-ttl**

COMMAND:

[no] respect-ttl

DESCRIPTION:

Enable or disable the respecting of TTL. If enabled, then messages contained in the queue are checked for expiry. If expired, the message is removed from the queue and either discarded or a copy of the message placed in the #DEAD\_MSG\_QUEUE.

The default value is no respect-ttl.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-spool message-vpn <vpn-name> queue <name> shutdown**

COMMAND:

shutdown [ingress | egress | full] no shutdown [ingress | egress | full]

DESCRIPTION:

This command disables the flow of messages to/from a queue. The [no] version of this command enables the flow of messages.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

ingress - Ingress messages to the spool egress - Egress messages from the spool full - All messages to and from the spool

**configure message-spool message-vpn <vpn-name> queue <name> subscription**

COMMAND:

subscription topic <topic> no subscription topic <topic>

DESCRIPTION:

Set subscriptions for this queue

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

topic <topic> [1..250 chars] - The topic of the Subscription.

**configure message-spool message-vpn <vpn-name> sequenced-topic**

COMMAND:

sequenced-topic <topic> no sequenced-topic <topic>

DESCRIPTION:

Set sequenced topics for this Message VPN

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<topic> [1..250 chars] - Topic for applying sequence numbers

**configure message-spool message-vpn <vpn-name> topic-endpoint**

COMMAND:

topic-endpoint <name> create topic-endpoint <name> no topic-endpoint <name>

DESCRIPTION:

Create or configure a topic-endpoint

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [chars] - Topic-endpoint name

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> consumer-ack-propagation**

COMMAND:

[no] consumer-ack-propagation

DESCRIPTION:

Configure if consumer acks received on the active replication Message VPN are propagated to the standby replication Message VPN. Consumer ack propagation is enabled by default.

The default value is consumer-ack-propagation.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> dead-message-queue**

COMMAND:

dead-message-queue <dmq-name> no dead-message-queue

DESCRIPTION:

Identifies the name of the queue which should be used as the topic endpoint's dead message queue.

The no version of the command returns its value to the default (#DEAD\_MSG\_QUEUE).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<dmq-name> [1..200 chars] - Dead message queue to be used for the topic-endpoint

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> event**

COMMAND:

event [reject-low-priority-msg-limit | spool-usage]

DESCRIPTION:

Enter topic-endpoint event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] reject-low-priority-msg-limit - Configure the event thresholds for reject-low-priority-msg-limit [no] spool-usage - Configure the event thresholds for the topic endpoint spool usage

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> event reject-low-priority-msg-limit**

COMMAND:

reject-low-priority-msg-limit [thresholds ...]

DESCRIPTION:

Configure the event thresholds for reject-low-priority-msg-limit

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the reject-low-priority-msg-limit event, either as a percentage of reject-low-priority-msg-limit or as a count.

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> event reject-low-priority-msg-limit thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the reject-low-priority-msg-limit event, either as a percentage of reject-low-priority-msg-limit or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the reject-low-priority-msg-limit value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the reject-low-priority-msg-limit value

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> event spool-usage**

COMMAND:

spool-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the topic endpoint spool usage

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the topic endpoint spool usage event, either as a percentage of topic endpoint max-spool-usage or as a count (in MB)

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> event spool-usage thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the topic endpoint spool usage event, either as a percentage of topic endpoint max-spool-usage or as a count (in MB)

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-spool-usage value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-spool-usage value

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> max-delivered-unacked-msgs-per-flow**

COMMAND:

max-delivered-unacked-msgs-per-flow <max> no max-delivered-unacked-msgs-per-flow

DESCRIPTION:

Set the max messages delivered but not acknowledged per flow for this topic-endpoint. The [no] version of this command resets the max to the default value.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<max> [1..1000000] - Maximum unacked messages

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> max-message-size**

COMMAND:

max-message-size <size> no max-message-size

DESCRIPTION:

Set the max message size allowed in this topic-endpoint. The [no] version of this command sets the max message size to 10000000 bytes.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..30000000] - Maximum message size in bytes

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> max-redelivery**

COMMAND:

max-redelivery <value> no max-redelivery

DESCRIPTION:

The maximum number of times the topic-endpoint will attempt redelivery of a given message prior to it being discarded or moved to the #DEAD\_MSG\_QUEUE. The [no] version of this command resets the value to its default of 0 which means to retry forever.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..255] - Maximum message redelivery attempts

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> max-spool-usage**

COMMAND:

max-spool-usage <size> no max-spool-usage

DESCRIPTION:

Set the max spool usage of this topic-endpoint. The [no] version of this command sets the max spool usage to 4000 MB. Setting the value to 0 enables the last-value-queue feature and disables quota checking.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..6000000] - Maximum spool usage in MB

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> max-ttl**

COMMAND:

max-ttl <ttl> no max-ttl

DESCRIPTION:

The maximum number of seconds that a message can stay in a queue or topic-endpoint when respect-ttl is enabled. A message will expire according to the lesser of the TTL in the message (assigned by the publisher) and the max-ttl configured on the endpoint. The max-ttl is a 32 bit integer value from 1 to 4294967295 representing the expiry time in seconds. A max-ttl set to "none" disables this feature. The no version of this command sets the max-ttl to "none".

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<ttl> [0..4294967295] - Maximum TTL in seconds

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> owner**

COMMAND:

owner <owner> no owner

DESCRIPTION:

Set the client-username owner of the topic-endpoint. The [no] version of this command removes the owner.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<owner> [1..189 chars] - Client username owner of the topic-endpoint

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> permission**

COMMAND:

permission all {no-access | read-only | consume | modify-topic | delete} no permission

DESCRIPTION:

Permission level for users of the topic-endpoint, excluding the owner.

The no version of the command returns its value to the default (no-access).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

all - Apply to all other users excluding the owner no-access - Disallows all access read-only - Read-only access to the messages in the topic-endpoint consume - Consume (read and remove) messages in the topic-endpoint modify-topic - Consume messages or modify the topic/selector of the topic-endpoint delete - Consume messages, modify the topic/selector or delete the topic-endpoint altogether

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> reject-low-priority-msg**

COMMAND:

[no] reject-low-priority-msg

DESCRIPTION:

Configure if low priority messages are subject to reject-low-priority-msg-limit checking.

The default value is no reject-low-priority-msg.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> reject-low-priority-msg-limit**

COMMAND:

reject-low-priority-msg-limit <limit> no reject-low-priority-msg-limit

DESCRIPTION:

Configure the number of messages of any priority queued to an endpoint above which low priority messages are not admitted but higher priority messages are allowed into the endpoint.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<limit> [0..4294967295] - Maximum number of messages

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> reject-msg-to-sender-on-discard**

COMMAND:

reject-msg-to-sender-on-discard [including-when-shutdown] no reject-msg-to-sender-on-discard

DESCRIPTION:

Set the message discard behaviour. If set, message discards result in nacks being returned to the sending client. If not set, discards are silent. Note that nacks cause the message to not be delivered to any destination and transacted-session commits to fail.

The no version of the command returns its value to the default (False).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

including-when-shutdown - When this parameter is present, Nacks are returned to the sending client when a topic message is sent to the endpoint and the endpoint is shutdown.

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> respect-ttl**

COMMAND:

[no] respect-ttl

DESCRIPTION:

Enable or disable the respecting of TTL. If enabled, then messages contained in the topic-endpoint are checked for expiry. If expired, the message is removed from the queue and either discarded or a copy of the message placed in the #DEAD\_MSG\_QUEUE

The default value is no respect-ttl.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-spool message-vpn <vpn-name> topic-endpoint <name> shutdown**

COMMAND:

shutdown [ingress | egress | full] no shutdown [ingress | egress | full]

DESCRIPTION:

This command disables the flow of messages to/from a topic-endpoint. The [no] version of this command enables the flow of messages.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

ingress - Ingress messages to the spool egress - Egress messages from the spool full - All messages to and from the spool

**configure message-vpn**

COMMAND:

message-vpn <vpn-name> create message-vpn <vpn-name> no message-vpn <vpn-name>

DESCRIPTION:

Use this command to create and configure a Message VPN on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write Notes/Exceptions: global/rw is required to create or delete a message-vpn.

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<vpn-name> [1..32 chars] - The name of the Message VPN.

**configure message-vpn <vpn-name> authentication**

COMMAND:

authentication [user-class ...]

DESCRIPTION:

Enter Message VPN authentication configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

user-class - Assign authentication mechanisms to user classes.

**configure message-vpn <vpn-name> authentication user-class**

COMMAND:

user-class {client}

DESCRIPTION:

Assign authentication mechanisms to user classes.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

client - Client users

**configure message-vpn <vpn-name> authentication user-class client basic**

COMMAND:

basic [auth-type ... | radius-domain ... | shutdown]

DESCRIPTION:

Enter user-class basic authentication configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

auth-type - Authentication mechanism to be used for basic authentication of clients connecting to this Message VPN. [no] radius-domain - The RADIUS domain string to use when the basic authentication type is "radius". [no] shutdown - Enable or disable basic authentication for clients within the Message VPN. Basic authentication is authentication that involves the use of a username and password to prove identity. When enabled, the currently selected authentication type is used for authentication of users that provide basic authentication credentials. If a user provides credentials for a different authentication scheme this setting is not applicable.

**configure message-vpn <vpn-name> authentication user-class client basic auth-type**

COMMAND:

auth-type {radius <radius-profile> | ldap <ldap-profile> | internal | none}

DESCRIPTION:

Authentication mechanism to be used for basic authentication of clients connecting to this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

radius - Radius authentication. <radius-profile> [1..32 chars] - Radius profile name. ldap - LDAP authentication. <ldap-profile> [1..32 chars] - LDAP profile name. internal - Internal database. none - No authentication.

**configure message-vpn <vpn-name> authentication user-class client basic radius-domain**

COMMAND:

radius-domain <radius-domain> no radius-domain

DESCRIPTION:

The RADIUS domain string to use when the basic authentication type is "radius".

The no version of the command returns its value to the default ().

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<radius-domain> [0..64 chars] - radius-domain string

**configure message-vpn <vpn-name> authentication user-class client basic shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable basic authentication for clients within the Message VPN. Basic authentication is authentication that involves the use of a username and password to prove identity. When enabled, the currently selected authentication type is used for authentication of users that provide basic authentication credentials. If a user provides credentials for a different authentication scheme this setting is not applicable.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> authentication user-class client client-certificate**

COMMAND:

client-certificate [allow-api-provided-username | max-certificate-chain-depth ... | shutdown | validate-certificate-date]

DESCRIPTION:

Enter user-class client-certificate configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] allow-api-provided-username - When enabled, if the client specifies a client-username via the API connect method, the client provided username is used instead of the CN (Common Name) field of the certificate's subject. When disabled, the certificate CN is always used as the client-username. [no] max-certificate-chain-depth - The maximum depth for a client certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. [no] shutdown - Enable or disable client certificate client authentication in the Message VPN. [no] validate-certificate-date - Enable or disable validation of the "Not Before" and "Not After" validity dates in the certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

**configure message-vpn <vpn-name> authentication user-class client client-certificate allow-api-provided-username**

COMMAND:

[no] allow-api-provided-username

DESCRIPTION:

When enabled, if the client specifies a client-username via the API connect method, the client provided username is used instead of the CN (Common Name) field of the certificate's subject. When disabled, the certificate CN is always used as the client-username.

The default value is no allow-api-provided-username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> authentication user-class client client-certificate max-certificate-chain-depth**

COMMAND:

max-certificate-chain-depth <max-depth> no max-certificate-chain-depth

DESCRIPTION:

The maximum depth for a client certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<max-depth> [0..8] - The maximum depth that will be accepted for a certificate chain. The valid range is 0 to 8

**configure message-vpn <vpn-name> authentication user-class client client-certificate shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable client certificate client authentication in the Message VPN.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> authentication user-class client client-certificate validate-certificate-date**

COMMAND:

[no] validate-certificate-date

DESCRIPTION:

Enable or disable validation of the "Not Before" and "Not After" validity dates in the certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

The default value is validate-certificate-date.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> authentication user-class client kerberos**

COMMAND:

kerberos [allow-api-provided-username | shutdown]

DESCRIPTION:

Enter user-class Kerberos configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] allow-api-provided-username - When enabled, if the client specifies a client-username via the API connect method, the client provided username is used instead of the Kerberos Principal name in Kerberos token. When disabled, the Kerberos Principal name is always used as the client-username. [no] shutdown - Enable or disable Kerberos authentication for clients in the Message VPN. If a user provides credentials for a different authentication scheme, this setting is not applicable.

**configure message-vpn <vpn-name> authentication user-class client kerberos allow-api-provided-username**

COMMAND:

[no] allow-api-provided-username

DESCRIPTION:

When enabled, if the client specifies a client-username via the API connect method, the client provided username is used instead of the Kerberos Principal name in Kerberos token. When disabled, the Kerberos Principal name is always used as the client-username.

The default value is no allow-api-provided-username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> authentication user-class client kerberos shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable Kerberos authentication for clients in the Message VPN. If a user provides credentials for a different authentication scheme, this setting is not applicable.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> authorization**

COMMAND:

authorization [user-class ...]

DESCRIPTION:

Enter Message VPN authorization configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

user-class - Assign authorization mechanisms to user classes.

**configure message-vpn <vpn-name> authorization user-class**

COMMAND:

user-class {client}

DESCRIPTION:

Assign authorization mechanisms to user classes.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

client - Client users

**configure message-vpn <vpn-name> authorization user-class client authorization-group**

COMMAND:

authorization-group <name> create authorization-group <name> no authorization-group <name>

DESCRIPTION:

The name of the authorization group as it exists on the LDAP server being used to authorize clients. A newly created group is placed at the end of the group list which is the lowest priority. The 'no' version of this command removes the authorization group. Special care is needed if the group name contains special characters such as '#', '+', ';', '=' as the value of the group name returned from the LDAP server might prepend those characters with '\'. For example a group name called 'test#,lab,com' will be returned from the LDAP server as 'test\#,lab,com'.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..256 chars] - The name of the LDAP Authorization Group.

**configure message-vpn <vpn-name> authorization user-class client authorization-group <name> acl-profile**

COMMAND:

acl-profile <name> no acl-profile

DESCRIPTION:

The ACL Profile of the LDAP Authorization Group.

The no version of the command returns its value to the default (default).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - ACL profile name

**configure message-vpn <vpn-name> authorization user-class client authorization-group <name> client-profile**

COMMAND:

client-profile <name> no client-profile

DESCRIPTION:

The Client Profile of the LDAP Authorization Group.

The no version of the command returns its value to the default (default).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - Client profile name.

**configure message-vpn <vpn-name> authorization user-class client authorization-group <name> order**

COMMAND:

order {before | after} <authorization-group-name>

DESCRIPTION:

Arrange the priority of this group relative to another group.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

before - Move current authorization group before existing authorization group name. after - Move current authorization group after existing authorization group name. <authorization-group-name> [1..256 chars] - Authorization group name.

**configure message-vpn <vpn-name> authorization user-class client authorization-group <name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the authorization feature for this group for the Message VPN.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> authorization user-class client authorization-type**

COMMAND:

authorization-type {ldap <ldap-profile> | internal}

DESCRIPTION:

Authorization mechanism to be used for clients connecting to this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

ldap - LDAP authorization. <ldap-profile> [1..32 chars] - LDAP profile name. internal - Internal authorization.

**configure message-vpn <vpn-name> authorization user-class client ldap**

COMMAND:

ldap [group-membership-attribute-name ...]

DESCRIPTION:

Enter LDAP authorization configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] group-membership-attribute-name - The name of the attribute that should be retrieved from the LDAP server as part of the LDAP search when authorizing a client. It indicates that the client belongs to a particular group (i.e. the value associated with this attribute).

**configure message-vpn <vpn-name> authorization user-class client ldap group-membership-attribute-name**

COMMAND:

group-membership-attribute-name <attribute-name> no group-membership-attribute-name

DESCRIPTION:

The name of the attribute that should be retrieved from the LDAP server as part of the LDAP search when authorizing a client. It indicates that the client belongs to a particular group (i.e. the value associated with this attribute).

The no version of the command returns its value to the default (memberOf).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<attribute-name> [0..64 chars] - LDAP attribute name.

**configure message-vpn <vpn-name> bridging**

COMMAND:

bridging [ssl]

DESCRIPTION:

Enter Message VPN bridging configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] ssl - Enter Message VPN bridging SSL configuration

**configure message-vpn <vpn-name> bridging ssl**

COMMAND:

ssl [server-certificate-validation]

DESCRIPTION:

Enter Message VPN bridging SSL configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] server-certificate-validation - Enter Message VPN bridging SSL server-certificate-validation configuration

**configure message-vpn <vpn-name> bridging ssl server-certificate-validation**

COMMAND:

server-certificate-validation [enforce-trusted-common-name | max-certificate-chain-depth ... | validate-certificate-date]

DESCRIPTION:

Enter Message VPN bridging SSL server-certificate-validation configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] enforce-trusted-common-name - Enable or disable validation of the common name in the server certificate on the remote router. If enabled, the common name is checked against the list of trusted common names configured for the bridge. [no] max-certificate-chain-depth - The maximum depth for a server certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. [no] validate-certificate-date - Enable or disable validation of the "Not Before" and "Not After" validity dates in the server certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

**configure message-vpn <vpn-name> bridging ssl server-certificate-validation enforce-trusted-common-name**

COMMAND:

[no] enforce-trusted-common-name

DESCRIPTION:

Enable or disable validation of the common name in the server certificate on the remote router. If enabled, the common name is checked against the list of trusted common names configured for the bridge.

The default value is enforce-trusted-common-name.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> bridging ssl server-certificate-validation max-certificate-chain-depth**

COMMAND:

max-certificate-chain-depth <max-depth> no max-certificate-chain-depth

DESCRIPTION:

The maximum depth for a server certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<max-depth> [0..8] - The maximum depth that will be accepted for a certificate chain. The valid range is 0 to 8

**configure message-vpn <vpn-name> bridging ssl server-certificate-validation validate-certificate-date**

COMMAND:

[no] validate-certificate-date

DESCRIPTION:

Enable or disable validation of the "Not Before" and "Not After" validity dates in the server certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

The default value is validate-certificate-date.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> distributed-cache-management**

COMMAND:

[no] distributed-cache-management

DESCRIPTION:

Enable or disable managing of cache instances over the message bus. For a given Message VPN only one router in the network should have this attribute enabled.

The default value is distributed-cache-management.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> event**

COMMAND:

event [connections | egress-message-rate | ingress-message-rate | large-message-threshold ... | log-tag ... | publish-client | publish-message-vpn | publish-subscription ... | publish-topic-format ... | service | subscriptions]

DESCRIPTION:

Enter Message VPN event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Configure the event for the number of client connections. [no] egress-message-rate - Configure the event for the egress message rate in msg/sec. [no] ingress-message-rate - Configure the event for the ingress message rate in msg/sec. [no] large-message-threshold - Size in KB for what is being considered a large message for the Message VPN. [no] log-tag - A prefix applied to all publish events in this Message VPN. [no] publish-client - Enable or disable client level event message publishing. [no] publish-message-vpn - Enable or disable Message VPN level event message publishing. [no] publish-subscription - Enable or disable subscription level event message publishing. The no version of the command disables subscription level event message publishing. If the event topic format is not specified, it defaults to v1 [no] publish-topic-format - Choose the format used for event publishing. Two formats are supported:

SMF:

#LOG/<log-level>/<event-specific-content>

MQTT:

$SYS/LOG/<log-level>/<event-specific-cont ent> At least one format must be selected. If multiple formats are used event logs will be published on both topics. [no] service - Configure the per-service events. [no] subscriptions - Configure the event for number of subscriptions.

**configure message-vpn <vpn-name> event connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Configure the event for the number of client connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of client connections event.

**configure message-vpn <vpn-name> event connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of client connections event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..200000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..200000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure message-vpn <vpn-name> event egress-message-rate**

COMMAND:

egress-message-rate [thresholds ...]

DESCRIPTION:

Configure the event for the egress message rate in msg/sec.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the egress message rate event.

**configure message-vpn <vpn-name> event egress-message-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the egress message rate event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - Threshold set value. clear-value <clear-value> [0..4294967295] - Threshold clear value.

**configure message-vpn <vpn-name> event ingress-message-rate**

COMMAND:

ingress-message-rate [thresholds ...]

DESCRIPTION:

Configure the event for the ingress message rate in msg/sec.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the ingress message rate event.

**configure message-vpn <vpn-name> event ingress-message-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the ingress message rate event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - Threshold set value. clear-value <clear-value> [0..4294967295] - Threshold clear value.

**configure message-vpn <vpn-name> event large-message-threshold**

COMMAND:

large-message-threshold <size> no large-message-threshold

DESCRIPTION:

Size in KB for what is being considered a large message for the Message VPN.

The no version of the command returns its value to the default (1024).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..4294967295] - size

**configure message-vpn <vpn-name> event log-tag**

COMMAND:

log-tag <tag-string> no log-tag

DESCRIPTION:

A prefix applied to all publish events in this Message VPN.

The no version of the command returns its value to the default (no log-tag configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<tag-string> [1..32 chars] - String with no whitespace, '?', '\*', or quote chars.

**configure message-vpn <vpn-name> event publish-client**

COMMAND:

[no] publish-client

DESCRIPTION:

Enable or disable client level event message publishing.

The default value is no publish-client.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> event publish-message-vpn**

COMMAND:

[no] publish-message-vpn

DESCRIPTION:

Enable or disable Message VPN level event message publishing.

The default value is no publish-message-vpn.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> event publish-subscription**

COMMAND:

publish-subscription [no-unsubscribe-events-on-disconnect] [event-topic-format {v1 | v2}] no publish-subscription

DESCRIPTION:

Enable or disable subscription level event message publishing. The no version of the command disables subscription level event message publishing. If the event topic format is not specified, it defaults to v1

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

no-unsubscribe-events-on-disconnect - Do not generate unsubscribe events for each of a client's subscriptions when the client disconnects event-topic-format - Specify the format of the topic used for publishing the subscription event v1 - The publish topic is of form: #LOG/INFO/SUB\_ADD|SUB\_DEL/<subscri bedTopic> v2 - The publish topic is of form: #LOG/INFO/SUB/<routerName>/ADD|DEL /<vpnName>/<clientName>/<subscribe dTopic>

**configure message-vpn <vpn-name> event publish-topic-format**

COMMAND:

publish-topic-format [smf] [mqtt] no publish-topic-format

DESCRIPTION:

Choose the format used for event publishing. Two formats are supported: SMF: #LOG/<log-level>/<event-specific-content> MQTT: $SYS/LOG/<log-level>/<event-specific-content> At least one format must be selected. If multiple formats are used event logs will be published on both topics.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

smf - publish SMF topic format mqtt - publish MQTT topic format

**configure message-vpn <vpn-name> event service**

COMMAND:

service [mqtt | rest | smf | web-transport]

DESCRIPTION:

Configure the per-service events.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] mqtt - Configure MQTT service events [no] rest - Configure REST service events [no] smf - Configure SMF service events [no] web-transport - Configure Web Transport service events

**configure message-vpn <vpn-name> event service mqtt**

COMMAND:

mqtt [connections]

DESCRIPTION:

Configure MQTT service events

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Configure the event for the number of client connections.

**configure message-vpn <vpn-name> event service mqtt connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Configure the event for the number of client connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of client connections event.

**configure message-vpn <vpn-name> event service mqtt connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of client connections event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..200000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..200000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure message-vpn <vpn-name> event service rest**

COMMAND:

rest [incoming]

DESCRIPTION:

Configure REST service events

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] incoming - Configure REST service incoming events

**configure message-vpn <vpn-name> event service rest incoming**

COMMAND:

incoming [connections]

DESCRIPTION:

Configure REST service incoming events

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Configure the event for the number of client connections.

**configure message-vpn <vpn-name> event service rest incoming connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Configure the event for the number of client connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of client connections event.

**configure message-vpn <vpn-name> event service rest incoming connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of client connections event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..200000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..200000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure message-vpn <vpn-name> event service smf**

COMMAND:

smf [connections]

DESCRIPTION:

Configure SMF service events

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Configure the event for the number of client connections.

**configure message-vpn <vpn-name> event service smf connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Configure the event for the number of client connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of client connections event.

**configure message-vpn <vpn-name> event service smf connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of client connections event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..30000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..30000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure message-vpn <vpn-name> event service web-transport**

COMMAND:

web-transport [connections]

DESCRIPTION:

Configure Web Transport service events

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Configure the event for the number of client connections.

**configure message-vpn <vpn-name> event service web-transport connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Configure the event for the number of client connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of client connections event.

**configure message-vpn <vpn-name> event service web-transport connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of client connections event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..200000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..200000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure message-vpn <vpn-name> event subscriptions**

COMMAND:

subscriptions [thresholds ...]

DESCRIPTION:

Configure the event for number of subscriptions.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the number of subscriptions event.

**configure message-vpn <vpn-name> event subscriptions thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the number of subscriptions event.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-subscriptions value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-subscriptions value

**configure message-vpn <vpn-name> export-policy**

COMMAND:

export-policy [export-subscriptions]

DESCRIPTION:

Enter Message VPN subscription export-policy configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] export-subscriptions - Enable or disable the export of subscriptions in this Message VPN to other routers in the network over neighbor links.

**configure message-vpn <vpn-name> export-policy export-subscriptions**

COMMAND:

[no] export-subscriptions

DESCRIPTION:

Enable or disable the export of subscriptions in this Message VPN to other routers in the network over neighbor links.

The default value is no export-subscriptions.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> management-message-vpn**

COMMAND:

[no] management-message-vpn

DESCRIPTION:

Designate this Message VPN as the management Message VPN for system level SEMP get requests and system level event publishing.

The default value is no management-message-vpn.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> max-connections**

COMMAND:

max-connections <value> no max-connections

DESCRIPTION:

The maximum number of client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - value

**configure message-vpn <vpn-name> max-subscriptions**

COMMAND:

max-subscriptions <value> no max-subscriptions

DESCRIPTION:

The maximum number of local client subscriptions (both primary and backup) that can be added to this Message VPN.

The no version of the command returns its value to the default (5000000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..4294967295] - value

**configure message-vpn <vpn-name> mqtt**

COMMAND:

mqtt [mqtt-session ...]

DESCRIPTION:

Enter Message VPN MQTT configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] mqtt-session - Create, delete, or enter configuration mode for the mqtt-session object of a given client-id. The client-id must be unique for the VPN and virtual-router. By default the primary virtual-router is assumed. An mqtt-session must be shutdown in order to be deleted.

**configure message-vpn <vpn-name> mqtt mqtt-session**

COMMAND:

mqtt-session <client-id> [primary | backup] create mqtt-session <client-id> [primary | backup] no mqtt-session <client-id> [primary | backup]

DESCRIPTION:

Create, delete, or enter configuration mode for the mqtt-session object of a given client-id. The client-id must be unique for the VPN and virtual-router. By default the primary virtual-router is assumed. An mqtt-session must be shutdown in order to be deleted.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<client-id> [1..128 chars] - The client-id of the session, which corresponds to the ClientId provided in the MQTT CONNECT packet. primary - Session belongs to the primary virtual router (default) backup - Session belongs to the backup virtual router

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> owner**

COMMAND:

owner <owner> no owner

DESCRIPTION:

Configure the owner of the mqtt-session. For externally-created sessions this will be the client-username of the connecting client. For management-created sessions this will be empty by default. In either case the owner can be changed by the administrator. The mqtt-session must be shutdown to change its owner. The no version of the command removes the configured owner.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<owner> [1..189 chars] - The client-username which owns the session

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue**

COMMAND:

[create|no] queue

DESCRIPTION:

Create or configure a queue

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue access-type**

COMMAND:

access-type {exclusive | non-exclusive} no access-type

DESCRIPTION:

The queue access type of either exclusive or non-exclusive.

The no version of the command returns its value to the default (exclusive).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

exclusive - Exclusive delivery of messages to first bound client non-exclusive - Non-exclusive delivery of messages to all bound clients

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue consumer-ack-propagation**

COMMAND:

[no] consumer-ack-propagation

DESCRIPTION:

Enable or disable the propagation of consumer acks received on the active replication Message VPN to the standby replication Message VPN.

The default value is consumer-ack-propagation.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue dead-message-queue**

COMMAND:

dead-message-queue <dmq-name> no dead-message-queue

DESCRIPTION:

Identifies the name of the queue which should be used as the queue's dead message queue.

The no version of the command returns its value to the default (#DEAD\_MSG\_QUEUE).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<dmq-name> [1..200 chars] - Dead message queue to be used for the queue

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue event**

COMMAND:

event [bind-count | reject-low-priority-msg-limit | spool-usage]

DESCRIPTION:

Enter queue event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] bind-count - Enter bind-count event configuration. [no] reject-low-priority-msg-limit - Configure the event thresholds for reject-low-priority-msg-limit [no] spool-usage - Configure the event thresholds for the queue spool usage

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue event bind-count**

COMMAND:

bind-count [thresholds ...]

DESCRIPTION:

Enter bind-count event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the bind-count event, either as a percentage of max-bind-count or as a count

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue event bind-count thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the bind-count event, either as a percentage of max-bind-count or as a count

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-bind-count value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-bind-count value

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue event reject-low-priority-msg-limit**

COMMAND:

reject-low-priority-msg-limit [thresholds ...]

DESCRIPTION:

Configure the event thresholds for reject-low-priority-msg-limit

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the reject-low-priority-msg-limit event, either as a percentage of reject-low-priority-msg-limit or as a count.

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue event reject-low-priority-msg-limit thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the reject-low-priority-msg-limit event, either as a percentage of reject-low-priority-msg-limit or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the reject-low-priority-msg-limit value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the reject-low-priority-msg-limit value

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue event spool-usage**

COMMAND:

spool-usage [thresholds ...]

DESCRIPTION:

Configure the event thresholds for the queue spool usage

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the queue spool usage event, either as a percentage of queue max-spool-usage or as a count (in MB)

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue event spool-usage thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the queue spool usage event, either as a percentage of queue max-spool-usage or as a count (in MB)

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

set-value <set-value> [0..4294967295] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..4294967295] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-spool-usage value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-spool-usage value

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue max-bind-count**

COMMAND:

max-bind-count <value> no max-bind-count

DESCRIPTION:

The maximum number of times a client(s) can bind to a given queue.

The no version of the command returns its value to the default (1000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..1000] - Maximum bind-count

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue max-delivered-unacked-msgs-per-flow**

COMMAND:

max-delivered-unacked-msgs-per-flow <max> no max-delivered-unacked-msgs-per-flow

DESCRIPTION:

The max messages delivered but not acknowledged per flow for this queue.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<max> [1..1000000] - Maximum unacked messages

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue max-message-size**

COMMAND:

max-message-size <size> no max-message-size

DESCRIPTION:

The max message size (in bytes) allowed in this queue.

The no version of the command returns its value to the default (10000000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..30000000] - Maximum message size in bytes

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue max-redelivery**

COMMAND:

max-redelivery <value> no max-redelivery

DESCRIPTION:

The maximum number of times the queue will attempt redelivery of a given message prior to it being discarded or moved to the #DEAD\_MSG\_QUEUE. A value of 0 means to retry forever.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..255] - Maximum message redelivery attempts

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue max-spool-usage**

COMMAND:

max-spool-usage <size> no max-spool-usage

DESCRIPTION:

The max spool usage (in MB) of this queue. Setting the value to 0 enables the last-value-queue feature and disables quota checking.

The no version of the command returns its value to the default (4000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [0..6000000] - Maximum spool usage in MB

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue max-ttl**

COMMAND:

max-ttl <ttl> no max-ttl

DESCRIPTION:

The maximum number of seconds that a message can stay in a queue or topic-endpoint when respect-ttl is enabled. A message will expire according to the lesser of the TTL in the message (assigned by the publisher) and the max-ttl configured on the endpoint. The max-ttl is a 32 bit integer value from 1 to 4294967295 representing the expiry time in seconds. A max-ttl of 0 disables this feature.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<ttl> [0..4294967295] - Maximum TTL in seconds

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue owner**

COMMAND:

owner <owner> no owner

DESCRIPTION:

The client-username owner of the queue.

The no version of the command returns its value to the default (no owner configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<owner> [1..189 chars] - Client username owner of the queue

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue permission**

COMMAND:

permission all {no-access | read-only | consume | modify-topic | delete} no permission

DESCRIPTION:

Permission level for users of the queue, excluding the owner.

The no version of the command returns its value to the default (no-access).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

all - Apply to all other users excluding the owner no-access - Disallows all access read-only - Read-only access to the messages in the queue consume - Consume (read and remove) messages in the queue modify-topic - Consume messages or modify the topic/selector of the queue delete - Consume messages or delete the queue altogether

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue reject-low-priority-msg**

COMMAND:

[no] reject-low-priority-msg

DESCRIPTION:

Enable or disable if low priority messages are subject to reject-low-priority-msg-limit checking. This may only be enabled if reject-msg-to-sender-on-discard is also enabled.

The default value is no reject-low-priority-msg.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue reject-low-priority-msg-limit**

COMMAND:

reject-low-priority-msg-limit <limit> no reject-low-priority-msg-limit

DESCRIPTION:

The number of messages of any priority queued to an endpoint above which low priority messages are not admitted but higher priority messages are allowed into the endpoint.

The no version of the command returns its value to the default (0).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<limit> [0..4294967295] - Maximum number of messages

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue reject-msg-to-sender-on-discard**

COMMAND:

reject-msg-to-sender-on-discard [including-when-shutdown] no reject-msg-to-sender-on-discard

DESCRIPTION:

Enable or disable the sending of a nack to the client on discards. If enabled, message discards result in nacks being returned to the sending client. If disabled, discards are silent. Note that nacks cause the message to not be delivered to any destination and transacted-session commits to fail. This may only be disabled if reject-low-priority-msg is also disabled.

The no version of the command returns its value to the default (True).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

including-when-shutdown - When this parameter is present, Nacks are returned to the sending client when a topic message is sent to the endpoint and the endpoint is shutdown. Note that this parameter only affects topic messages - messages published to queue names are always rejected to the sender when reject-msg-to-sender-on-discard is enabled and the queue is shutdown, regardless of the presence or absence of the "including-when-shutdown" parameter

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue respect-ttl**

COMMAND:

[no] respect-ttl

DESCRIPTION:

Enable or disable the respecting of TTL. If enabled, then messages contained in the queue are checked for expiry. If expired, the message is removed from the queue and either discarded or a copy of the message placed in the #DEAD\_MSG\_QUEUE.

The default value is no respect-ttl.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> queue shutdown**

COMMAND:

shutdown [ingress | egress | full] no shutdown [ingress | egress | full]

DESCRIPTION:

This command disables the flow of messages to/from a queue. The [no] version of this command enables the flow of messages.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

ingress - Ingress messages to the spool egress - Egress messages from the spool full - All messages to and from the spool

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the mqtt-session. When disabled a client attempting to connect to this session will be denied, and an existing connection will be closed. QoS 1 subscriptions of an mqtt-session will continue to attract messages while disabled.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> subscription**

COMMAND:

subscription <topic> create subscription <topic> no subscription <topic>

DESCRIPTION:

Create, delete, or enter configuration mode for an mqtt-session subscription. The provided topic identifies the subscription. MQTT topic syntax is expected. On create a subscription is by default QoS 0. The no version of the command deletes the specified subscription.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<topic> [1..250 chars] - An MQTT topic string

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> subscription <topic> qos**

COMMAND:

qos <qos-value> no qos

DESCRIPTION:

Configure the quality of service for the subscription. The qos-value is either 0 (deliver at most once) or 1 (deliver at least once). Default is QoS 0

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<qos-value> [0..1] - Quality of service for the subscription

**configure message-vpn <vpn-name> mqtt mqtt-session <client-id> subscription-list**

COMMAND:

subscription-list qos <qos-value> [<topic-list>]

DESCRIPTION:

Add or remove a list of subscriptions of an mqtt-session. The qos-value is either 0 (deliver at most once) or 1 (deliver at least once). When adding subscriptions, the QoS of an existing subscription with the same topic will be changed to the new QoS value. When removing subscriptions, the QoS of each existing subscription must match for it to be removed. MQTT topic syntax is expected.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

qos <qos-value> [0..1] - Quality of service for the subscriptions <topic-list> [[<topic>[2..251 chars starting with + or -]]\*] - List of +/- MQTT topic strings, space separated. 32 topics at most.

**configure message-vpn <vpn-name> replication**

COMMAND:

replication [ack-propagation | bridge | queue | reject-msg-when-sync-ineligible | replicated-topic ... | shutdown ... | state ... | transaction-replication-mode ...]

DESCRIPTION:

Enter Message VPN replication configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] ack-propagation - Enter replication ack-propagation configuration mode for this Message VPN. [no] bridge - Enter replication bridge configuration mode for this Message VPN. [no] queue - Enter replication queue configuration mode for this Message VPN. [no] reject-msg-when-sync-ineligible - Enable or disable sync mode ineligible behavior. If enabled and sync replication becomes ineligible, guaranteed messages published to sync replicated topics will be rejected to the sender. If disabled, sync replication will revert to async mode. [create|no] replicated-topic - Creates/deletes the replicated-topic for this Message VPN. [no] shutdown - Enable or disable the replication feature for the Message VPN. state - The replication state for this Message VPN. [no] transaction-replication-mode - The transaction replication mode for all transactions within a Message VPN. When mode is async, all transactions originated by clients are replicated to the standby site using async-replication. When mode is sync, all transactions originated by clients are replicated to the standby site using sync-replication. Changing this value during operation will not affect existing transactions. It is only validated upon starting a transaction.

**configure message-vpn <vpn-name> replication ack-propagation**

COMMAND:

ack-propagation [interval]

DESCRIPTION:

Enter replication ack-propagation configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] interval - Enter ack-propagation interval configuration mode for this Message VPN.

**configure message-vpn <vpn-name> replication ack-propagation interval**

COMMAND:

interval [messages ...]

DESCRIPTION:

Enter ack-propagation interval configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] messages - The ack-propagation interval, in number of replicated messages.

**configure message-vpn <vpn-name> replication ack-propagation interval messages**

COMMAND:

messages <num-messages> no messages

DESCRIPTION:

The ack-propagation interval, in number of replicated messages.

The no version of the command returns its value to the default (20).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<num-messages> [1..65535] - Number of messages

**configure message-vpn <vpn-name> replication bridge**

COMMAND:

bridge [authentication | compressed-data | message-spool | retry-delay ... | ssl | unidirectional]

DESCRIPTION:

Enter replication bridge configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] authentication - Enter authentication configuration mode for the replication bridge. [no] compressed-data - Whether compression is used for the bridge. [no] message-spool - Enter replication bridge message-spool configuration mode for this Message VPN. [no] retry-delay - Number of seconds that must pass before retrying a connection. [no] ssl - Enable or disable use of SSL for the bridge connection. [no] unidirectional - Configure the unidirectional parameters used when the bridge connects.

**configure message-vpn <vpn-name> replication bridge authentication**

COMMAND:

authentication [auth-scheme ... | basic | client-certificate]

DESCRIPTION:

Enter authentication configuration mode for the replication bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

auth-scheme - The authentication scheme for the replication bridge. [no] basic - Enter basic authentication configuration mode for the replication bridge [no] client-certificate - Enter client-certificate authentication configuration mode for the replication bridge.

**configure message-vpn <vpn-name> replication bridge authentication auth-scheme**

COMMAND:

auth-scheme {basic | client-certificate}

DESCRIPTION:

The authentication scheme for the replication bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

basic - Basic Authentication Scheme (via username and password). client-certificate - Client Certificate Authentication Scheme (via certificate-file).

**configure message-vpn <vpn-name> replication bridge authentication basic**

COMMAND:

basic [client-username ...]

DESCRIPTION:

Enter basic authentication configuration mode for the replication bridge

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] client-username - The client username the replication bridge uses to login to the Remote Message VPN on the replication mate.

**configure message-vpn <vpn-name> replication bridge authentication basic client-username**

COMMAND:

client-username <name> [password <password>] no client-username

DESCRIPTION:

The client username the replication bridge uses to login to the Remote Message VPN on the replication mate.

The no version of the command returns its value to the default (no client-username configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<name> [1..189 chars] - The client-username used for authentication on the remote-router. password <password> [1..128 chars] - The password associated with the client-username used for authentication on the remote-router.

**configure message-vpn <vpn-name> replication bridge authentication client-certificate**

COMMAND:

client-certificate [certificate-file ...]

DESCRIPTION:

Enter client-certificate authentication configuration mode for the replication bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] certificate-file - Configure the SSL client certificate used by this bridge to login to the Remote Message VPN. The file must be located in the /certs directory and must be PEM formatted (have a .pem extension). It must consist of a private key and between one and three certificates comprising the certificate trust chain. If this certificate file is not configured, the locally configured server certificate will be used.

**configure message-vpn <vpn-name> replication bridge authentication client-certificate certificate-file**

COMMAND:

certificate-file <filename> no certificate-file

DESCRIPTION:

Configure the SSL client certificate used by this bridge to login to the Remote Message VPN. The file must be located in the /certs directory and must be PEM formatted (have a .pem extension). It must consist of a private key and between one and three certificates comprising the certificate trust chain. If this certificate file is not configured, the locally configured server certificate will be used.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<filename> [0..117 chars] - The certificate file in the certs directory.

**configure message-vpn <vpn-name> replication bridge compressed-data**

COMMAND:

[no] compressed-data

DESCRIPTION:

Whether compression is used for the bridge.

The default value is no compressed-data.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> replication bridge message-spool**

COMMAND:

message-spool [window-size ...]

DESCRIPTION:

Enter replication bridge message-spool configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] window-size - The window size of outstanding guaranteed messages.

**configure message-vpn <vpn-name> replication bridge message-spool window-size**

COMMAND:

window-size <number> no window-size

DESCRIPTION:

The window size of outstanding guaranteed messages.

The no version of the command returns its value to the default (255).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<number> [0..65535] - The transport window size for guaranteed messaging in messages.

**configure message-vpn <vpn-name> replication bridge retry-delay**

COMMAND:

retry-delay <seconds> no retry-delay

DESCRIPTION:

Number of seconds that must pass before retrying a connection.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<seconds> [0..255] - Number of seconds

**configure message-vpn <vpn-name> replication bridge ssl**

COMMAND:

[no] ssl

DESCRIPTION:

Enable or disable use of SSL for the bridge connection.

The default value is no ssl.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> replication bridge unidirectional**

COMMAND:

unidirectional [client-profile ...]

DESCRIPTION:

Configure the unidirectional parameters used when the bridge connects.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] client-profile - The client-profile for the unidirectional replication bridge for the Message VPN. The client-profile must exist in the local Message VPN, and it is used only for the TCP parameters.

**configure message-vpn <vpn-name> replication bridge unidirectional client-profile**

COMMAND:

client-profile <name> no client-profile

DESCRIPTION:

The client-profile for the unidirectional replication bridge for the Message VPN. The client-profile must exist in the local Message VPN, and it is used only for the TCP parameters.

The no version of the command returns its value to the default (#client-profile, which has a TCP max window size of 2MB).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - Client profile name.

**configure message-vpn <vpn-name> replication queue**

COMMAND:

queue [max-spool-usage ... | reject-msg-to-sender-on-discard]

DESCRIPTION:

Enter replication queue configuration mode for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] max-spool-usage - The max spool usage of the replication queue. [no] reject-msg-to-sender-on-discard - The message discard behavior.

**configure message-vpn <vpn-name> replication queue max-spool-usage**

COMMAND:

max-spool-usage <size> no max-spool-usage

DESCRIPTION:

The max spool usage of the replication queue.

The no version of the command returns its value to the default (60000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<size> [1..2000000] - Message spool usage in MB.

**configure message-vpn <vpn-name> replication queue reject-msg-to-sender-on-discard**

COMMAND:

[no] reject-msg-to-sender-on-discard

DESCRIPTION:

The message discard behavior.

The default value is reject-msg-to-sender-on-discard.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> replication reject-msg-when-sync-ineligible**

COMMAND:

[no] reject-msg-when-sync-ineligible

DESCRIPTION:

Enable or disable sync mode ineligible behavior. If enabled and sync replication becomes ineligible, guaranteed messages published to sync replicated topics will be rejected to the sender. If disabled, sync replication will revert to async mode.

The default value is no reject-msg-when-sync-ineligible.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> replication replicated-topic**

COMMAND:

replicated-topic <topic> create replicated-topic <topic> no replicated-topic <topic>

DESCRIPTION:

Creates/deletes the replicated-topic for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<topic> [1..250 chars] - Topic for applying replication

**configure message-vpn <vpn-name> replication replicated-topic <topic> replication-mode**

COMMAND:

replication-mode {sync | async} no replication-mode

DESCRIPTION:

Choose the replication-mode for the replicated-topic.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

sync - Synchronous replication-mode async - Asynchronous replication-mode

**configure message-vpn <vpn-name> replication shutdown**

COMMAND:

shutdown no shutdown [fail-on-existing-queue | force-use-existing-queue | force-recreate-queue]

DESCRIPTION:

Enable or disable the replication feature for the Message VPN.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

fail-on-existing-queue - The data replication queue must not already exist (default). force-use-existing-queue - Any data messages on the pre-existing data replication queue will be forwarded to interested applications. IMPORTANT: Before using this option be certain that the messages are not stale or otherwise unsuitable to be forwarded. This option can only be specified when the pre-existing queue is configured the same as is currently specified under replication configuration otherwise the "no shutdown" command will continue to fail. force-recreate-queue - Any data messages on the pre-existing data replication queue will be discarded. IMPORTANT: Before using this option be certain that the messages on the pre-existing data replication queue are not needed by interested applications.

**configure message-vpn <vpn-name> replication state**

COMMAND:

state {active | standby}

DESCRIPTION:

The replication state for this Message VPN.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

active - Configure the VPN replication state to be active standby - Configure the VPN replication state to be standby

**configure message-vpn <vpn-name> replication transaction-replication-mode**

COMMAND:

transaction-replication-mode {sync | async} no transaction-replication-mode

DESCRIPTION:

The transaction replication mode for all transactions within a Message VPN. When mode is async, all transactions originated by clients are replicated to the standby site using async-replication. When mode is sync, all transactions originated by clients are replicated to the standby site using sync-replication.

Changing this value during operation will not affect existing transactions. It is only validated upon starting a transaction.

The no version of the command returns its value to the default (async).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

sync - Synchronous replication-mode async - Asynchronous replication-mode

**configure message-vpn <vpn-name> rest**

COMMAND:

rest [rest-delivery-point ... | ssl]

DESCRIPTION:

Enter Message VPN REST configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] rest-delivery-point - Create, delete or enter configuration mode for a named REST Delivery Point. A REST Delivery Point manages delivery of messages from queues to a named list of REST Consumers. The 'no' form of this command deletes the REST Delivery Point and all its contained configuration. [no] ssl - Enter Message VPN REST configuration mode for SSL outgoing connections.

**configure message-vpn <vpn-name> rest rest-delivery-point**

COMMAND:

rest-delivery-point <name> create rest-delivery-point <name> no rest-delivery-point <name>

DESCRIPTION:

Create, delete or enter configuration mode for a named REST Delivery Point. A REST Delivery Point manages delivery of messages from queues to a named list of REST Consumers.

The 'no' form of this command deletes the REST Delivery Point and all its contained configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..100 chars] - A Message VPN-wide unique name for the REST Delivery Point. This name is used to auto-generate a client-username in this Message VPN, which is used by the client for this RDP.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> client-profile**

COMMAND:

client-profile <name> no client-profile

DESCRIPTION:

The client-profile of this REST Delivery Point. The client-profile must exist in the local Message VPN, and it is used as follows:

a) TCP parameters are used for all REST Consumers in this RDP. b) The RDP client uses the associated queue properties (see config/client-profile/queue), such as the queue max-depth and min-msg-burst. The client-profile is used inside the auto-generated client-username for this RDP.

The no version of the command returns its value to the default (default).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - Client profile name.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> queue-binding**

COMMAND:

queue-binding <queue-name> create queue-binding <queue-name> no queue-binding <queue-name>

DESCRIPTION:

The queue binding for this REST Delivery Point. If the queue does not exist it can be created subsequently, and once the queue is operational the appliance performs the queue binding.

When a queue is deleted from the system, its queue binding in the RDP is not deleted. The queue binding fails until the queue is recreated or the queue binding is deleted. Removing the queue binding does not delete the queue itself.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<queue-name> [1..200 chars] - The name of a queue within this Message VPN.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> queue-binding <queue-name> post-request-target**

COMMAND:

post-request-target <post-request-target> no post-request-target

DESCRIPTION:

The POST request target string to send for messages attracted to the associated queue-binding. It identifies the target resource on the far-end REST consumer upon which to apply the POST request.

There are generally two common forms for the request target. The origin-form is most often used in practice and contains the absolute path and query components of the target URI. If the path component is empty then the client must generally send a "/" as the path.

For example if trying to send a message to a resource identified as:

http://www.example.org/where?q=now

The value "post-request-target" would be "/where?q=now".

When making a request to a proxy, most often it is required to use the absolute form. In the preceding example this would mean that the "post-request-target" would have a value of "http://www.example.org/where?q=now".

The POST request target string is not validated. Its value is used as is in the HTTP POST request target field when sending HTTP POSTs to REST Consumers.

The no version of the command returns its value to the default (no post-request-target configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<post-request-target> [1..200 chars] - string containing a POST request target. The POST request target is used in the REST HTTP POST request that is sent to the REST consumer.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer**

COMMAND:

rest-consumer <name> create rest-consumer <name> no rest-consumer <name>

DESCRIPTION:

Create, delete or enter configuration mode for a named REST Consumer. A REST Consumer is a specific TCP endpoint to which messages are to be delivered. This could be a process on a particular host when no HTTP load balancers are used or could be an HTTP load balancer acting as an intermediary in front of the actual consuming processes.

The 'no' form of this command deletes the REST Consumer and all its contained configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..32 chars] - An RDP-wide unique name for the REST consumer.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> authentication**

COMMAND:

authentication [auth-scheme ... | client-certificate | http-basic]

DESCRIPTION:

Enter authentication configuration mode for the REST Consumer.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] auth-scheme - The authentication scheme used by the REST Consumer to login to the rest-host. The client-certificate auth-scheme is only compatible with connections using SSL. [no] client-certificate - Enter client-certificate authentication configuration mode for the REST Consumer. [no] http-basic - Enter basic authentication configuration mode for the REST Consumer.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> authentication auth-scheme**

COMMAND:

auth-scheme {none | http-basic | client-certificate} no auth-scheme

DESCRIPTION:

The authentication scheme used by the REST Consumer to login to the rest-host. The client-certificate auth-scheme is only compatible with connections using SSL.

The no version of the command returns its value to the default (none).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

none - Login with no authentication (login anonymously). This means no authentication is provided to the REST consumer when connecting to it. This is useful for anonymous connections or when no authentication is required by the REST consumer. http-basic - Login with simple username / password credentials according to HTTP Basic authentication as per RFC2616 client-certificate - Login with client SSL certificate as per RFC5246

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> authentication client-certificate**

COMMAND:

client-certificate [certificate-file ...]

DESCRIPTION:

Enter client-certificate authentication configuration mode for the REST Consumer.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] certificate-file - Configure the client-certificate that the REST Consumer will present to the rest-host. The certificate file must be in the /certs directory and must be PEM formatted (have a .pem extension). Once installed the file in the jail can be removed if desired. If no certificate-file is associated with a REST Consumer configured to use the client-certificate auth-scheme then the server-certificate of the appliance is used instead. Client certificates may only be changed when the consumer is disabled. The certificate must be installed on each appliance. This is necessary also when using Config-Sync for appliance redundancy, since Config-Sync does not include synchronizing the certificates. The no version of the command removes the certificate.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> authentication client-certificate certificate-file**

COMMAND:

certificate-file <filename> no certificate-file

DESCRIPTION:

Configure the client-certificate that the REST Consumer will present to the rest-host. The certificate file must be in the /certs directory and must be PEM formatted (have a .pem extension). Once installed the file in the jail can be removed if desired. If no certificate-file is associated with a REST Consumer configured to use the client-certificate auth-scheme then the server-certificate of the appliance is used instead.

Client certificates may only be changed when the consumer is disabled.

The certificate must be installed on each appliance. This is necessary also when using Config-Sync for appliance redundancy, since Config-Sync does not include synchronizing the certificates.

The no version of the command removes the certificate.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<filename> [0..117 chars] - The certificate file in the certs directory.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> authentication http-basic**

COMMAND:

http-basic [username ...]

DESCRIPTION:

Enter basic authentication configuration mode for the REST Consumer.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] username - The username that the REST Consumer will use to login to the rest-host. If a password is required for authentication, it can also be provided. Normally a username is only configured when basic authentication is selected for the REST Consumer.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> authentication http-basic username**

COMMAND:

username <name> [password <password>] no username

DESCRIPTION:

The username that the REST Consumer will use to login to the rest-host. If a password is required for authentication, it can also be provided. Normally a username is only configured when basic authentication is selected for the REST Consumer.

The no version of the command returns its value to the default (no username configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<name> [1..189 chars] - The username used for authentication on the remote server. password <password> [1..128 chars] - The password associated with the username used for authentication on the remote server.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> local**

COMMAND:

local [interface ...]

DESCRIPTION:

Enter local configuration mode for the REST consumer.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] interface - The interface that will be used for all outgoing connections associated with the given REST consumer. The source IP address used for these connections will always be the IP address associated with the AD-enabled virtual-router for the specified interface. When unspecified the router will automatically choose an interface through which the REST consumer is reachable.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> local interface**

COMMAND:

interface <phys-intf> no interface

DESCRIPTION:

The interface that will be used for all outgoing connections associated with the given REST consumer. The source IP address used for these connections will always be the IP address associated with the AD-enabled virtual-router for the specified interface. When unspecified the router will automatically choose an interface through which the REST consumer is reachable.

The no version of the command returns its value to the default (no interface configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<phys-intf> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1"

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote**

COMMAND:

remote [host ... | max-post-wait-time ... | outgoing-connection-count ... | port ... | retry | ssl]

DESCRIPTION:

Enter configuration for connectivity information pertaining to remote REST Consumer.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] host - The IPv4 address or DNS name to which the router is to connect to deliver messages for this REST Consumer. If the REST Consumer is enabled while the host value is not configured then the REST Consumer has an operational Down state due to the empty host configuration until a usable host value is configured. The host value can only be changed when the REST Consumer is disabled. The port number for the host is configured under port configuration command. [no] max-post-wait-time - The maximum amount of time (in seconds) that the router will wait for a POST response from the REST Consumer. Once a POST operation has been outstanding for this period of time, the request is considered hung and the TCP connection is reset. If this POST is for a non-persistent message, the message is discarded. If this POST is for a persistent message, then message delivery is re-attempted via another available outgoing connection on any available outgoing connection for that RDP, up to the Max-Delivery-Count on the queue. If this count is exceeded, and the message is DMQ-eligible, then this message is moved to the DMQ, otherwise it is discarded. [no] outgoing-connection-count - The total number of concurrent TCP connections open to this REST Consumer initiated by the router. Multiple connections to a single REST Consumer are typically desirable to increase throughput via concurrency. The more connections, the higher the potential throughput. [no] port - The port associated with the host of the current REST Consumer. This command is useful when changing the outgoing connection characteristics (such as plain-text and SSL) that affect the port. For such changes, the connect port would normally be changed at the same time. The port can only be changed when the REST Consumer is shutdown. [no] retry - Enter retry configuration for connections for REST Consumer. [no] ssl - Enable or disable SSL for the REST Consumer. This may only be done when the REST Consumer is shutdown.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote host**

COMMAND:

host <dest-ip-addr-or-host> no host

DESCRIPTION:

The IPv4 address or DNS name to which the router is to connect to deliver messages for this REST Consumer. If the REST Consumer is enabled while the host value is not configured then the REST Consumer has an operational Down state due to the empty host configuration until a usable host value is configured.

The host value can only be changed when the REST Consumer is disabled. The port number for the host is configured under port configuration command.

The no version of the command returns its value to the default (no host configured).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<dest-ip-addr-or-host> [1..50 chars] - The DNS name or IPv4 address to which the appliance is to connect to deliver messages for this REST consumer.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote max-post-wait-time**

COMMAND:

max-post-wait-time <seconds> no max-post-wait-time

DESCRIPTION:

The maximum amount of time (in seconds) that the router will wait for a POST response from the REST Consumer. Once a POST operation has been outstanding for this period of time, the request is considered hung and the TCP connection is reset. If this POST is for a non-persistent message, the message is discarded. If this POST is for a persistent message, then message delivery is re-attempted via another available outgoing connection on any available outgoing connection for that RDP, up to the Max-Delivery-Count on the queue. If this count is exceeded, and the message is DMQ-eligible, then this message is moved to the DMQ, otherwise it is discarded.

The no version of the command returns its value to the default (30).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [1..300] - Maximum amount of time in seconds to wait for a response from an outstanding POST operation. Default: 30.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote outgoing-connection-count**

COMMAND:

outgoing-connection-count <count> no outgoing-connection-count

DESCRIPTION:

The total number of concurrent TCP connections open to this REST Consumer initiated by the router. Multiple connections to a single REST Consumer are typically desirable to increase throughput via concurrency. The more connections, the higher the potential throughput.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<count> [1..50] - Total number of concurrent TCP connections and thus HTTP POST operations to this REST consumer initiated by the appliance.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote port**

COMMAND:

port <port> no port

DESCRIPTION:

The port associated with the host of the current REST Consumer.

This command is useful when changing the outgoing connection characteristics (such as plain-text and SSL) that affect the port. For such changes, the connect port would normally be changed at the same time. The port can only be changed when the REST Consumer is shutdown.

The no version of the command returns its value to the default (8080, or 8443 if SSL is enabled).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<port> [1..65535] - The port of the rest consumer.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote retry**

COMMAND:

retry [delay ...]

DESCRIPTION:

Enter retry configuration for connections for REST Consumer.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] delay - The number of seconds that must pass before retrying a connection.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote retry delay**

COMMAND:

delay <seconds> no delay

DESCRIPTION:

The number of seconds that must pass before retrying a connection.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<seconds> [1..300] - Number of seconds.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> remote ssl**

COMMAND:

[no] ssl

DESCRIPTION:

Enable or disable SSL for the REST Consumer. This may only be done when the REST Consumer is shutdown.

The default value is no ssl.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable this REST Consumer. When disabled, no connections are initiated or messages delivered to this particular REST Consumer.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> ssl**

COMMAND:

ssl [cipher-suite ... | trusted-common-name ...]

DESCRIPTION:

Enter SSL configuration mode for the current REST Consumer.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] cipher-suite - Configure the cipher-suite for the current REST Consumer. The REST Consumer uses this ordered list of cipher-suites in its encrypted connection. All supported suites are included by default, from most-secure to least-secure. The remote server (REST Consumer) should choose the first suite from this list that it supports. The cipher-suite list can only be changed when the REST Consumer is shutdown. The no version of the command removes the named cipher-suites from the list. [no] trusted-common-name - Configure the trusted-common-name list for the current REST Consumer. The REST Consumer uses this list of common-names in its encrypted connection to verify the name of the server certificate. The value can only be changed when the REST Consumer is shutdown. The no version of the command removes the named common-names from the list.

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> ssl cipher-suite**

COMMAND:

cipher-suite {default | empty | name <suite-name> [{before | after} <existing-suite-name>]} no cipher-suite name <suite-name>

DESCRIPTION:

Configure the cipher-suite for the current REST Consumer.

The REST Consumer uses this ordered list of cipher-suites in its encrypted connection. All supported suites are included by default, from most-secure to least-secure.

The remote server (REST Consumer) should choose the first suite from this list that it supports.

The cipher-suite list can only be changed when the REST Consumer is shutdown.

The no version of the command removes the named cipher-suites from the list.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

default - The default cipher suite list. To modify the cipher suite list, it needs to be emptied and re-added one suite at a time empty - Remove all cipher suites from the list name <suite-name> [1..64 chars] - The cipher suite to be added to the cipher suite list. The cipher suite is appended to the list if no 'before' or 'after' keyword is present before - Add the suite-name before the existing-suite-name after - Add the suite-name after the existing-suite-name <existing-suite-name>

**configure message-vpn <vpn-name> rest rest-delivery-point <name> rest-consumer <name> ssl trusted-common-name**

COMMAND:

trusted-common-name {empty | name <common-name>} no trusted-common-name name <common-name>

DESCRIPTION:

Configure the trusted-common-name list for the current REST Consumer.

The REST Consumer uses this list of common-names in its encrypted connection to verify the name of the server certificate.

The value can only be changed when the REST Consumer is shutdown.

The no version of the command removes the named common-names from the list.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

empty - Removes all common names from the list name <common-name> [1..64 chars] - The expected trusted common name of the remote certificate

**configure message-vpn <vpn-name> rest rest-delivery-point <name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the REST Delivery Point. When disabled, no connections are initiated or messages delivered to any of the contained REST Consumers.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> rest ssl**

COMMAND:

ssl [server-certificate-validation]

DESCRIPTION:

Enter Message VPN REST configuration mode for SSL outgoing connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] server-certificate-validation - Enter SSL server certificate validation for outgoing connections.

**configure message-vpn <vpn-name> rest ssl server-certificate-validation**

COMMAND:

server-certificate-validation [enforce-trusted-common-name | max-certificate-chain-depth ... | validate-certificate-date]

DESCRIPTION:

Enter SSL server certificate validation for outgoing connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] enforce-trusted-common-name - Enable or disable whether or not the trusted-common-name attribute of a REST Consumer is enforced or not. Each REST Consumer has a list of common-names which it expects to be returned in the server-certificate from the remote REST Consumer. If enforce-trusted-common-name is enabled, but the list of common-names has not been configured, the REST Consumer will not be allowed to be brought into service. An appropriate error message is provided in the REST Consumer operational display. [no] max-certificate-chain-depth - The maximum depth for the certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. [no] validate-certificate-date - Enable or disable validation of the "Not Before" and "Not After" validity dates in the server certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

**configure message-vpn <vpn-name> rest ssl server-certificate-validation enforce-trusted-common-name**

COMMAND:

[no] enforce-trusted-common-name

DESCRIPTION:

Enable or disable whether or not the trusted-common-name attribute of a REST Consumer is enforced or not. Each REST Consumer has a list of common-names which it expects to be returned in the server-certificate from the remote REST Consumer.

If enforce-trusted-common-name is enabled, but the list of common-names has not been configured, the REST Consumer will not be allowed to be brought into service. An appropriate error message is provided in the REST Consumer operational display.

The default value is enforce-trusted-common-name.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> rest ssl server-certificate-validation max-certificate-chain-depth**

COMMAND:

max-certificate-chain-depth <max-depth> no max-certificate-chain-depth

DESCRIPTION:

The maximum depth for the certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<max-depth> [0..8] - The maximum depth that will be accepted for a certificate chain. The valid range is 0 to 8

**configure message-vpn <vpn-name> rest ssl server-certificate-validation validate-certificate-date**

COMMAND:

[no] validate-certificate-date

DESCRIPTION:

Enable or disable validation of the "Not Before" and "Not After" validity dates in the server certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

The default value is validate-certificate-date.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> semp-over-msgbus**

COMMAND:

semp-over-msgbus [admin-cmds | legacy-show-clear-cmds | show-cmds | shutdown]

DESCRIPTION:

Enter SEMP over Message Bus configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] admin-cmds - Enter "admin" SEMP over Message Bus commands configuration. [no] legacy-show-clear-cmds - Enter "legacy-show-clear" SEMP over Message Bus commands configuration. [no] show-cmds - Enter "show" SEMP over Message Bus commands configuration. [no] shutdown - Enable or disable SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

**configure message-vpn <vpn-name> semp-over-msgbus admin-cmds**

COMMAND:

admin-cmds [client-cmds | distributed-cache-cmds | shutdown]

DESCRIPTION:

Enter "admin" SEMP over Message Bus commands configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] client-cmds - Enter "admin" "client" SEMP over Message Bus commands configuration. [no] distributed-cache-cmds - Enter "admin" "distributed-cache" SEMP over Message Bus commands configuration. [no] shutdown - Enable or disable "admin" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

**configure message-vpn <vpn-name> semp-over-msgbus admin-cmds client-cmds**

COMMAND:

client-cmds [shutdown]

DESCRIPTION:

Enter "admin" "client" SEMP over Message Bus commands configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable "admin client" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

**configure message-vpn <vpn-name> semp-over-msgbus admin-cmds client-cmds shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable "admin client" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> semp-over-msgbus admin-cmds distributed-cache-cmds**

COMMAND:

distributed-cache-cmds [shutdown]

DESCRIPTION:

Enter "admin" "distributed-cache" SEMP over Message Bus commands configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable "admin distributed-cache" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

**configure message-vpn <vpn-name> semp-over-msgbus admin-cmds distributed-cache-cmds shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable "admin distributed-cache" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> semp-over-msgbus admin-cmds shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable "admin" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> semp-over-msgbus legacy-show-clear-cmds**

COMMAND:

legacy-show-clear-cmds [shutdown]

DESCRIPTION:

Enter "legacy-show-clear" SEMP over Message Bus commands configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable "legacy-show-clear" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

**configure message-vpn <vpn-name> semp-over-msgbus legacy-show-clear-cmds shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable "legacy-show-clear" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> semp-over-msgbus show-cmds**

COMMAND:

show-cmds [shutdown]

DESCRIPTION:

Enter "show" SEMP over Message Bus commands configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable "show" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

**configure message-vpn <vpn-name> semp-over-msgbus show-cmds shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable "show" SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> semp-over-msgbus shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable SEMP over Message Bus for the current Message VPN. This applies only to SEMPv1.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service**

COMMAND:

service [mqtt | rest | smf | web-transport]

DESCRIPTION:

Enter configuration mode for Message VPN scoped service configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] mqtt - Enter configuration mode for Message VPN scoped configuration of the MQTT Transport service. [no] rest - Enter configuration mode for Message VPN scoped configuration of the REST service. [no] smf - Enter configuration mode for Message VPN scoped configuration of the SMF service. [no] web-transport - Enter configuration mode for Message VPN scoped configuration of the Web Transport service.

**configure message-vpn <vpn-name> service mqtt**

COMMAND:

mqtt [listen-port ... | max-connections ... | plain-text | ssl | websocket | websocket-secure]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the MQTT Transport service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] listen-port - Used to specify the TCP port numbers that MQTT clients can use to connect to the appliance for this particular VPN. Plain-text and SSL ports are configured separately, as are raw TCP and WebSocket ports. MQTT must be shutdown for the particular transport to change the listen-port, which must be unique across the msg-backbone. The no version of the command removes the configured port. [no] max-connections - The maximum number of MQTT client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits. [no] plain-text - Enter configuration mode for Message VPN scoped configuration of the plain text MQTT service. [no] ssl - Enter configuration mode for Message VPN scoped configuration of the SSL MQTT service. [no] websocket - Enter configuration mode for Message VPN scoped configuration of the WebSocket MQTT service. [no] websocket-secure - Enter configuration mode for Message VPN scoped configuration of the WebSocket Secure MQTT service.

**configure message-vpn <vpn-name> service mqtt listen-port**

COMMAND:

listen-port <port> [ssl] [web] no listen-port [ssl] [web]

DESCRIPTION:

Used to specify the TCP port numbers that MQTT clients can use to connect to the appliance for this particular VPN. Plain-text and SSL ports are configured separately, as are raw TCP and WebSocket ports. MQTT must be shutdown for the particular transport to change the listen-port, which must be unique across the msg-backbone. The no version of the command removes the configured port.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<port> [1..65535] - a valid TCP port number. ssl - the port uses SSL web - the port uses WebSocket

**configure message-vpn <vpn-name> service mqtt max-connections**

COMMAND:

max-connections <value> no max-connections

DESCRIPTION:

The maximum number of MQTT client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - value

**configure message-vpn <vpn-name> service mqtt plain-text**

COMMAND:

plain-text [shutdown]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the plain text MQTT service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable TCP plain-text MQTT on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

**configure message-vpn <vpn-name> service mqtt plain-text shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable TCP plain-text MQTT on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service mqtt ssl**

COMMAND:

ssl [shutdown]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the SSL MQTT service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable TCP SSL MQTT on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

**configure message-vpn <vpn-name> service mqtt ssl shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable TCP SSL MQTT on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service mqtt websocket**

COMMAND:

websocket [shutdown]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the WebSocket MQTT service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable WebSocket MQTT on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

**configure message-vpn <vpn-name> service mqtt websocket shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable WebSocket MQTT on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service mqtt websocket-secure**

COMMAND:

websocket-secure [shutdown]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the WebSocket Secure MQTT service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable WebSocket Secure on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

**configure message-vpn <vpn-name> service mqtt websocket-secure shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable WebSocket Secure on this Message VPN. Disabling causes clients connected to the corresponding listen-port to be disconnected.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service rest**

COMMAND:

rest [incoming | outgoing]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the REST service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] incoming - Enter REST service incoming connections configuration mode. [no] outgoing - Enter REST service outgoing connections configuration mode.

**configure message-vpn <vpn-name> service rest incoming**

COMMAND:

incoming [listen-port ... | max-connections ... | plain-text | ssl]

DESCRIPTION:

Enter REST service incoming connections configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] listen-port - Configure the TCP port on the NAB that will be listened to for REST related services for this Message VPN. These include: \* plain-text client REST (no optional parameters) \* SSL client REST (ssl parameter) If the TCP port is in use by another service on the appliance, an error is provided. A unique TCP port in the msg-backbone VRF must be selected for this REST related service. The port must be configured before enabling the service. Otherwise, an error is given when enabling the service. The service using this port must be shutdown before changing the port number. Otherwise, an error is given when trying to change the port number. The no version of the command will reset the port to be not configured (none). Default: None (there is no default value). [no] max-connections - The maximum number of REST incoming client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits. [no] plain-text - Enter configuration mode for Message VPN scoped configuration of the plain text REST service. [no] ssl - Enter configuration mode for Message VPN scoped configuration of the SSL REST service.

**configure message-vpn <vpn-name> service rest incoming listen-port**

COMMAND:

listen-port <port> [ssl] no listen-port [ssl]

DESCRIPTION:

Configure the TCP port on the NAB that will be listened to for REST related services for this Message VPN. These include: \* plain-text client REST (no optional parameters) \* SSL client REST (ssl parameter)

If the TCP port is in use by another service on the appliance, an error is provided. A unique TCP port in the msg-backbone VRF must be selected for this REST related service.

The port must be configured before enabling the service. Otherwise, an error is given when enabling the service.

The service using this port must be shutdown before changing the port number. Otherwise, an error is given when trying to change the port number.

The no version of the command will reset the port to be not configured (none).

Default: None (there is no default value).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<port> [1..65535] - Port number used for REST service. ssl - For ssl traffic

**configure message-vpn <vpn-name> service rest incoming max-connections**

COMMAND:

max-connections <value> no max-connections

DESCRIPTION:

The maximum number of REST incoming client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - value

**configure message-vpn <vpn-name> service rest incoming plain-text**

COMMAND:

plain-text [shutdown]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the plain text REST service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable plain-text REST for this Message VPN.

**configure message-vpn <vpn-name> service rest incoming plain-text shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable plain-text REST for this Message VPN.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service rest incoming ssl**

COMMAND:

ssl [shutdown]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the SSL REST service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable incoming SSL REST service for this Message VPN.

**configure message-vpn <vpn-name> service rest incoming ssl shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable incoming SSL REST service for this Message VPN.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service rest outgoing**

COMMAND:

outgoing [max-connections ...]

DESCRIPTION:

Enter REST service outgoing connections configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] max-connections - The maximum number of REST consumer connections that can be simultaneously established from the Message VPN. See "show service" for supported limits.

**configure message-vpn <vpn-name> service rest outgoing max-connections**

COMMAND:

max-connections <value> no max-connections

DESCRIPTION:

The maximum number of REST consumer connections that can be simultaneously established from the Message VPN. See "show service" for supported limits.

The no version of the command returns its value to the default (6000).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..6000] - value

**configure message-vpn <vpn-name> service smf**

COMMAND:

smf [max-connections ... | plain-text | ssl]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the SMF service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] max-connections - The maximum number of SMF client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits. [no] plain-text - Configure Message VPN specific parameters related to the plain-text SMF service. [no] ssl - Configure Message VPN specific parameters related to the SSL SMF service.

**configure message-vpn <vpn-name> service smf max-connections**

COMMAND:

max-connections <value> no max-connections

DESCRIPTION:

The maximum number of SMF client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..30000] - value

**configure message-vpn <vpn-name> service smf plain-text**

COMMAND:

plain-text [shutdown]

DESCRIPTION:

Configure Message VPN specific parameters related to the plain-text SMF service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable plain-text SMF service in the Message VPN.

**configure message-vpn <vpn-name> service smf plain-text shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable plain-text SMF service in the Message VPN.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service smf ssl**

COMMAND:

ssl [shutdown]

DESCRIPTION:

Configure Message VPN specific parameters related to the SSL SMF service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable SSL SMF service for this Message VPN.

**configure message-vpn <vpn-name> service smf ssl shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable SSL SMF service for this Message VPN.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service web-transport**

COMMAND:

web-transport [max-connections ... | plain-text | ssl]

DESCRIPTION:

Enter configuration mode for Message VPN scoped configuration of the Web Transport service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] max-connections - The maximum number of web-transport client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits. [no] plain-text - Configure Message VPN specific parameters related to the plain-text Web Transport service. [no] ssl - Configure Message VPN specific parameters related to the SSL Web Transport service.

**configure message-vpn <vpn-name> service web-transport max-connections**

COMMAND:

max-connections <value> no max-connections

DESCRIPTION:

The maximum number of web-transport client connections that can be simultaneously connected to the Message VPN. This value may be higher than supported by the hardware. See "show service" for supported limits.

The no version of the command returns its value to the default (max value supported by hardware).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

<value> [0..200000] - value

**configure message-vpn <vpn-name> service web-transport plain-text**

COMMAND:

plain-text [shutdown]

DESCRIPTION:

Configure Message VPN specific parameters related to the plain-text Web Transport service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable plain-text Web Transport service in the Message VPN.

**configure message-vpn <vpn-name> service web-transport plain-text shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable plain-text Web Transport service in the Message VPN.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> service web-transport ssl**

COMMAND:

ssl [shutdown]

DESCRIPTION:

Configure Message VPN specific parameters related to the SSL Web Transport service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable SSL Web Transport service in the Message VPN.

**configure message-vpn <vpn-name> service web-transport ssl shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable SSL Web Transport service in the Message VPN.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the Message VPN.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure message-vpn <vpn-name> ssl**

COMMAND:

ssl [allow-downgrade-to-plain-text]

DESCRIPTION:

Enter message-vpn ssl configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] allow-downgrade-to-plain-text - Enable or disable the allowing of SSL SMF clients to downgrade their connections to plain-text connections. Changing this will not affect existing connections.

**configure message-vpn <vpn-name> ssl allow-downgrade-to-plain-text**

COMMAND:

[no] allow-downgrade-to-plain-text

DESCRIPTION:

Enable or disable the allowing of SSL SMF clients to downgrade their connections to plain-text connections. Changing this will not affect existing connections.

The default value is no allow-downgrade-to-plain-text.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: yes

PARAMETERS:

This command does not take any parameters

**configure ntp-server**

COMMAND:

ntp-server <ip-addr> no ntp-server

DESCRIPTION:

Use this command to configure the Network Time Protocol (NTP) server. The no version turns off NTP server synchronization.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<ip-addr> [nnn.nnn.nnn.nnn] - IP address

**configure redundancy**

COMMAND:

redundancy [auto-revert | mate-router-name ... | release-activity | shutdown | vrrp-vrid ...]

DESCRIPTION:

Use this command to configure active/active redundancy parameters on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] auto-revert - Backup router to give up activity if primary router is ready to provide service [no] mate-router-name - Configure the mate router name [no] release-activity - Surrender activity to the mate router for all virtual router ids [no] shutdown - Disable active-active redundancy [no] vrrp-vrid - Configure the virtual router id used by VRRP.

**configure redundancy auto-revert**

COMMAND:

[no] auto-revert

DESCRIPTION:

Backup router to give up activity if primary router is ready to provide service

The default value is no auto-revert.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure redundancy mate-router-name**

COMMAND:

mate-router-name <name> no mate-router-name

DESCRIPTION:

Configure the mate router name

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..50 chars] - The router name. Cannot start with `v:', which stands for virtual router.

**configure redundancy release-activity**

COMMAND:

[no] release-activity

DESCRIPTION:

Surrender activity to the mate router for all virtual router ids

The default value is no release-activity.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure redundancy shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disable active-active redundancy

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure redundancy vrrp-vrid**

COMMAND:

vrrp-vrid <vrid> {primary | backup} no vrrp-vrid {primary | backup}

DESCRIPTION:

Configure the virtual router id used by VRRP.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<vrid> [1..255] - Vrrp virtual router Id in the form: nnn primary - Vrid for the primary virtual router backup - Vrid for the backup virtual router

**configure replication**

COMMAND:

replication [config-sync | interface ... | mate | ssl]

DESCRIPTION:

Enter global replication configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] config-sync - Enter replication Config-Sync configuration mode [no] interface - Configure the replication interface. [no] mate - Enter replication mate configuration mode. [no] ssl - Enter replication SSL configuration mode.

**configure replication config-sync**

COMMAND:

config-sync [bridge]

DESCRIPTION:

Enter replication Config-Sync configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] bridge - Enter replication Config-Sync bridge configuration mode.

**configure replication config-sync bridge**

COMMAND:

bridge [authentication | compressed-data | message-spool | retry-delay ... | shutdown | ssl | ssl-server-certificate-validation]

DESCRIPTION:

Enter replication Config-Sync bridge configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

authentication - Enter replication Config-Sync bridge authentication configuration mode. [no] compressed-data - Enable or disable the use of compression on the Config-Sync replication bridge. [no] message-spool - Enter replication Config-Sync bridge message-spool configuration mode. [no] retry-delay - Configure the retry-delay used on the Config-Sync replication bridge. [no] shutdown - Enable or disable the config-sync replication bridge. [no] ssl - Enable or disable the use of SSL on the Config-Sync replication bridge. [no] ssl-server-certificate-validation - Enter replication Config-Sync bridge SSL server-certificate validation configuration mode.

**configure replication config-sync bridge authentication**

COMMAND:

authentication [auth-scheme ...]

DESCRIPTION:

Enter replication Config-Sync bridge authentication configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

auth-scheme - Configure the authentication scheme for the Config-Sync bridge

**configure replication config-sync bridge authentication auth-scheme**

COMMAND:

auth-scheme {basic | client-certificate}

DESCRIPTION:

Configure the authentication scheme for the Config-Sync bridge

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

basic - Basic Authentication Scheme (via username and password). client-certificate - Client Certificate Authentication Scheme (via certificate-file).

**configure replication config-sync bridge compressed-data**

COMMAND:

[no] compressed-data

DESCRIPTION:

Enable or disable the use of compression on the Config-Sync replication bridge.

The default value is no compressed-data.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure replication config-sync bridge message-spool**

COMMAND:

message-spool [window-size ...]

DESCRIPTION:

Enter replication Config-Sync bridge message-spool configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] window-size - Configure the window-size used on the Config-Sync replication bridge.

**configure replication config-sync bridge message-spool window-size**

COMMAND:

window-size <number> no window-size

DESCRIPTION:

Configure the window-size used on the Config-Sync replication bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<number> [1..65535] - The transport window size.

**configure replication config-sync bridge retry-delay**

COMMAND:

retry-delay <seconds> no retry-delay

DESCRIPTION:

Configure the retry-delay used on the Config-Sync replication bridge.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<seconds> [0..255] - Number of seconds.

**configure replication config-sync bridge shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the config-sync replication bridge.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure replication config-sync bridge ssl**

COMMAND:

[no] ssl

DESCRIPTION:

Enable or disable the use of SSL on the Config-Sync replication bridge.

The default value is no ssl.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure replication config-sync bridge ssl-server-certificate-validation**

COMMAND:

ssl-server-certificate-validation [enforce-trusted-common-name | max-certificate-chain-depth ... | validate-certificate-date]

DESCRIPTION:

Enter replication Config-Sync bridge SSL server-certificate validation configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] enforce-trusted-common-name - Enable or disable the SSL authentication mechanism of verifying the common name in the server certificate on the remote appliance. If enabled, the common name is checked against the list of trusted common names configured for the bridge. [no] max-certificate-chain-depth - Set the maximum depth for a client certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. The 'no' version of this command resets the value to the default value (3). [no] validate-certificate-date - Enable or disable validation of the "Not Before" and "Not After" validity dates in the server certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

**configure replication config-sync bridge ssl-server-certificate-validation enforce-trusted-common-name**

COMMAND:

[no] enforce-trusted-common-name

DESCRIPTION:

Enable or disable the SSL authentication mechanism of verifying the common name in the server certificate on the remote appliance. If enabled, the common name is checked against the list of trusted common names configured for the bridge.

The default value is enforce-trusted-common-name.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure replication config-sync bridge ssl-server-certificate-validation max-certificate-chain-depth**

COMMAND:

max-certificate-chain-depth <max-depth> no max-certificate-chain-depth

DESCRIPTION:

Set the maximum depth for a client certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. The 'no' version of this command resets the value to the default value (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<max-depth> [0..8] - The maximum depth that will be accepted for a certificate chain. The valid range is 0 to 8

**configure replication config-sync bridge ssl-server-certificate-validation validate-certificate-date**

COMMAND:

[no] validate-certificate-date

DESCRIPTION:

Enable or disable validation of the "Not Before" and "Not After" validity dates in the server certificate. When disabled, a certificate will be accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

The default value is validate-certificate-date.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure replication interface**

COMMAND:

interface <phys-intf> no interface

DESCRIPTION:

Configure the replication interface.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<phys-intf> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1"

**configure replication mate**

COMMAND:

mate [connect-port ... | virtual-router-name ...]

DESCRIPTION:

Enter replication mate configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connect-port - Configure the replication-mate connect port for either compressed and non-compressed links. The no version of the command sets the port to its default value for either compressed or non-compressed links. [no] virtual-router-name - Configure the replication-mate virtual-router name.

**configure replication mate connect-port**

COMMAND:

connect-port <port> [compressed] [ssl] no connect-port [compressed] [ssl]

DESCRIPTION:

Configure the replication-mate connect port for either compressed and non-compressed links. The no version of the command sets the port to its default value for either compressed or non-compressed links.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<port> [1..65535] - The port on the replication-mate virtual-router. compressed - For compressed traffic ssl - For ssl traffic

**configure replication mate virtual-router-name**

COMMAND:

virtual-router-name <virtual-router-name> connect-via <addr> no virtual-router-name

DESCRIPTION:

Configure the replication-mate virtual-router name.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<virtual-router-name> [1..52] - The name of the replication-mate virtual-router. All virtual remote-router names start with `v:', for e.g. v:lab-128-97. connect-via <addr> [1..50 chars/nnn.nnn.nnn.nnn] - The IP address or hostname for the replication-mate virtual-router.

**configure replication ssl**

COMMAND:

ssl [cipher-suite ... | trusted-common-name ...]

DESCRIPTION:

Enter replication SSL configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] cipher-suite - Configure the replication SSL authentication mechanism with an ordered list of cipher suites. The suite selected will be the first suite in the list that is supported by the remote appliance. [no] trusted-common-name - Configure the replication SSL authentication mechanism with a list of trusted common names. This list is used to verify the common name of the remote server certificate.

**configure replication ssl cipher-suite**

COMMAND:

cipher-suite {default | empty | name <suite-name> [{before | after} <existing-suite-name>]} no cipher-suite name <suite-name>

DESCRIPTION:

Configure the replication SSL authentication mechanism with an ordered list of cipher suites. The suite selected will be the first suite in the list that is supported by the remote appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

default - The default cipher suite list. To modify the cipher suite list, it needs to be emptied and re-added one suite at a time empty - Remove all cipher suites from the list name <suite-name> [1..64 chars] - The cipher suite to be added to the cipher suite list. The cipher suite is appended to the list if no 'before' or 'after' keyword is present before - Add the suite-name before the existing-suite-name after - Add the suite-name after the existing-suite-name <existing-suite-name>

**configure replication ssl trusted-common-name**

COMMAND:

trusted-common-name {empty | name <common-name>} no trusted-common-name name <common-name>

DESCRIPTION:

Configure the replication SSL authentication mechanism with a list of trusted common names. This list is used to verify the common name of the remote server certificate.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

empty - Removes all common names from the list name <common-name> [1..64 chars] - The expected trusted common name of the remote certificate

**configure router-name**

COMMAND:

router-name <name> [defer] no router-name [defer]

DESCRIPTION:

Configure the router name.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..50 chars] - The router name. Cannot start with 'v:', which stands for virtual router. The "no" version of the command causes the router-name to 'mirror' the hostname such that if the operator changes the hostname the router name also changes to the same value. defer - defer configuration. The deferred value will be applied following an appliance restart.

**configure routing**

COMMAND:

routing [cspf | interface ... | shutdown]

DESCRIPTION:

Enter routing configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] cspf - Configure the CSPF routing protocol [no] interface - Configure the interface used for all routing protocols. [no] shutdown - Shuts down the routing protocols. The no version enables the routing protocols.

**configure routing cspf**

COMMAND:

cspf [neighbor ... | queue | ssl]

DESCRIPTION:

Configure the CSPF routing protocol

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] neighbor - Enter neighbor configuration mode [no] queue - Enter the cspf queue configuration mode. [no] ssl - Enter SSL configuration mode for CSPF routing data connections.

**configure routing cspf neighbor**

COMMAND:

neighbor <physical-router-name> create neighbor <physical-router-name> no neighbor <physical-router-name>

DESCRIPTION:

Enter neighbor configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<physical-router-name> [1..50 chars] - Physical router name of the neigbor router of the form. CANNOT begin with 'v:', which indicates virtual router

**configure routing cspf neighbor <physical-router-name> compressed-data**

COMMAND:

[no] compressed-data

DESCRIPTION:

Use compression across the neighbour's data connections. Only data connections are affected. Control connections are always uncompressed.

Setting the data connections to both Compression and SSL on the same neighbor is not supported.

The no version of this command disables compression.

The default value is no compressed-data.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure routing cspf neighbor <physical-router-name> connect-via**

COMMAND:

connect-via <ip-port> no connect-via

DESCRIPTION:

IP address and optional port that the neighbor data port is reachable from. In the absence of NATs this is the ip-address associated with the neighbor's routing>interface, and port associated with service>smf>listen-port. If port is not specified it defaults to 55555 for non-compressed data, 55003 for compressed data, and 55443 for SSL. To change neighbor's listening ports use 'listen-port' command on the neighboring router.

The no version of this command clears the IP address and port value.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<ip-port> [ip[:port]] - IP address and port. Ex. 192.1.2.3:12345 192.1.2.3

**configure routing cspf neighbor <physical-router-name> control-port**

COMMAND:

control-port <port> no control-port

DESCRIPTION:

TCP control listen-port number of the neighbor. If left unspecified the control port that will be used is the control port that is returned by the neighbor during the neighbor link establishment phase. Only in the presence of NATs will this mechanism fail to work. If specified this value takes precedence over any returned port from the neighbor

The no version of this command clears any set value in the listen-port.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<port> [1..65535] - TCP control listen-port of the neighbor

**configure routing cspf neighbor <physical-router-name> link-cost**

COMMAND:

link-cost <cost> no link-cost

DESCRIPTION:

Configure the link cost to the neighbor

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<cost> [1..255] - cost of a neighbor link (1-255)

**configure routing cspf neighbor <physical-router-name> shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Shuts down the current cspf neighbor. When shutdown, connections to the neighbor are disconnected and prevented from reconnecting.

The no version of this command enables the neighbor.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure routing cspf neighbor <physical-router-name> ssl**

COMMAND:

ssl [cipher-suite ... | trusted-common-name ...]

DESCRIPTION:

Enter SSL configuration mode for the current CSPF neighbor.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] cipher-suite - Configure the cipher-suite list for the current neighbor. The neighbor link uses this ordered list of cipher-suites in its encrypted data connections. All supported suites are included by default, from most-secure to least-secure. The remote appliance should choose the first suite from this list that it supports. This attribute can be modified when cspf neighbor is shutdown. The no version of the command removes the named cipher-suite from the list. [no] trusted-common-name - Configure the trusted-common-name list for the current neighbor. The router uses this list of common-names in its encrypted connection to verify the name in the certificate presented by the neighbor. To ensure that link will be established regardless of whether the router is initiating or accepting the neighbor connection, this list should contain both the server-certificate CN and client-certificate CN of the neighbor router. The no version of the command removes the named common-name from the list.

**configure routing cspf neighbor <physical-router-name> ssl cipher-suite**

COMMAND:

cipher-suite {default | empty | name <suite-name> [{before | after} <existing-suite-name>]} no cipher-suite name <suite-name>

DESCRIPTION:

Configure the cipher-suite list for the current neighbor.

The neighbor link uses this ordered list of cipher-suites in its encrypted data connections.

All supported suites are included by default, from most-secure to least-secure.

The remote appliance should choose the first suite from this list that it supports.

This attribute can be modified when cspf neighbor is shutdown.

The no version of the command removes the named cipher-suite from the list.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

default - The default cipher suite list. To modify the cipher suite list, it needs to be emptied and re-added one suite at a time empty - Remove all cipher suites from the list name <suite-name> [1..64 chars] - The cipher suite to be added to the cipher suite list. The cipher suite is appended to the list if no 'before' or 'after' keyword is present before - Add the suite-name before the existing-suite-name after - Add the suite-name after the existing-suite-name <existing-suite-name>

**configure routing cspf neighbor <physical-router-name> ssl trusted-common-name**

COMMAND:

trusted-common-name {empty | name <common-name>} no trusted-common-name name <common-name>

DESCRIPTION:

Configure the trusted-common-name list for the current neighbor.

The router uses this list of common-names in its encrypted connection to verify the name in the certificate presented by the neighbor. To ensure that link will be established regardless of whether the router is initiating or accepting the neighbor connection, this list should contain both the server-certificate CN and client-certificate CN of the neighbor router.

The no version of the command removes the named common-name from the list.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

empty - Removes all common names from the list name <common-name> [1..64 chars] - The expected trusted common name of the remote certificate

**configure routing cspf neighbor <physical-router-name> ssl-data**

COMMAND:

[no] ssl-data

DESCRIPTION:

Use SSL across the neighbor's data connections. Only data connections are encrypted. Control connections are always in plain-text.

Setting the data connections to both Compression and SSL on the same neighbor is not supported.

The no version of this command disables SSL.

The default value is no ssl-data.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure routing cspf neighbor <physical-router-name> tcp**

COMMAND:

tcp [initial-cwnd ... | keepalive | max-wnd ... | mss ...]

DESCRIPTION:

Enter TCP configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] initial-cwnd - Configure the TCP initial congestion window size for this neighbor. The initial congestion window size is used when starting up a TCP connection or recovery from idle (i.e. no traffic). It is the number of segments TCP sends before waiting for an acknowledgement from the peer. Larger values of initial window allows a connection to come up to speed quickly. However, care must be taken for if this parameter's value is too high, it may cause congestion in the network. For further details on initial window, refer to RFC 2581. Changing the initial window from its default of 2 results in non-compliance with RFC 2581. Contact Solace Support personnel before changing this parameter. The no version of this command sets the initial TCP congestion window size to its default value of 2. [no] keepalive - Enter configuration of TCP keepalives. [no] max-wnd - Configure the TCP maximum window size for this neighbor. The maximum window should be at least the bandwidth-delay product of the link between the TCP peers. If the maximum window is less than the bandwidth-delay product, then the TCP connection operates below its maximum potential throughput. If the maximum window is less than about twice the bandwidth-delay product, then occasional packet loss causes TCP connection to operate below its maximum potential throughput as it handles the missing ACKs and retransmissions. There are also problems with a maximum window that's too large. In the presence of a high offered load, TCP gradually increases its congestion window until either (a) the congestion window reaches the maximum window, or (b) packet loss occurs in the network. Initially, when the congestion window is small, the network's physical bandwidth-delay acts as a memory buffer for packets in flight. As the congestion window crosses the bandwidth-delay product, though, the buffering of in-flight packets moves to queues in various switches, routers, etc. in the network. As the congestion window continues to increase, some such queue in some equipment overflows, causing packet loss and TCP back-off. The no version of this command sets the initial TCP maximum window size to its default value of 2048 KB. [no] mss - Configure the TCP maximum segment size for the CSPF neighbor.

**configure routing cspf neighbor <physical-router-name> tcp initial-cwnd**

COMMAND:

initial-cwnd <num-mss> no initial-cwnd

DESCRIPTION:

Configure the TCP initial congestion window size for this neighbor.

The initial congestion window size is used when starting up a TCP connection or recovery from idle (i.e. no traffic). It is the number of segments TCP sends before waiting for an acknowledgement from the peer. Larger values of initial window allows a connection to come up to speed quickly. However, care must be taken for if this parameter's value is too high, it may cause congestion in the network. For further details on initial window, refer to RFC 2581.

Changing the initial window from its default of 2 results in non-compliance with RFC 2581. Contact Solace Support personnel before changing this parameter.

The no version of this command sets the initial TCP congestion window size to its default value of 2.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<num-mss> [2..7826] - The size of the initial congestion window measured in number of MSS.

**configure routing cspf neighbor <physical-router-name> tcp keepalive**

COMMAND:

keepalive [count ... | idle ... | interval ...]

DESCRIPTION:

Enter configuration of TCP keepalives.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] count - The number of keepalive probes TCP should send before dropping the connection. [no] idle - The time (in seconds) a connection needs to remain idle before TCP begins sending keepalive probes. [no] interval - The time between individual keepalive probes, when no response is received.

**configure routing cspf neighbor <physical-router-name> tcp keepalive count**

COMMAND:

count <num> no count

DESCRIPTION:

The number of keepalive probes TCP should send before dropping the connection.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<num> [2..5] - The maximum number of keepalive probes TCP should send before dropping the connection.

**configure routing cspf neighbor <physical-router-name> tcp keepalive idle**

COMMAND:

idle <seconds> no idle

DESCRIPTION:

The time (in seconds) a connection needs to remain idle before TCP begins sending keepalive probes.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<seconds> [3..120] - The time (in seconds) the connection needs to be idle before TCP starts sending keepalive probes.

**configure routing cspf neighbor <physical-router-name> tcp keepalive interval**

COMMAND:

interval <seconds> no interval

DESCRIPTION:

The time between individual keepalive probes, when no response is received.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<seconds> [1..30] - The time (in seconds) between individual keepalive probes.

**configure routing cspf neighbor <physical-router-name> tcp max-wnd**

COMMAND:

max-wnd <num-kilo-bytes> no max-wnd

DESCRIPTION:

Configure the TCP maximum window size for this neighbor. The maximum window should be at least the bandwidth-delay product of the link between the TCP peers. If the maximum window is less than the bandwidth-delay product, then the TCP connection operates below its maximum potential throughput. If the maximum window is less than about twice the bandwidth-delay product, then occasional packet loss causes TCP connection to operate below its maximum potential throughput as it handles the missing ACKs and retransmissions. There are also problems with a maximum window that's too large. In the presence of a high offered load, TCP gradually increases its congestion window until either (a) the congestion window reaches the maximum window, or (b) packet loss occurs in the network. Initially, when the congestion window is small, the network's physical bandwidth-delay acts as a memory buffer for packets in flight. As the congestion window crosses the bandwidth-delay product, though, the buffering of in-flight packets moves to queues in various switches, routers, etc. in the network. As the congestion window continues to increase, some such queue in some equipment overflows, causing packet loss and TCP back-off.

The no version of this command sets the initial TCP maximum window size to its default value of 2048 KB.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<num-kilo-bytes> [32..65536] - The size of the maximum TCP window size in KB.

**configure routing cspf neighbor <physical-router-name> tcp mss**

COMMAND:

mss <byte-count> no mss

DESCRIPTION:

Configure the TCP maximum segment size for the CSPF neighbor.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<byte-count> [256..1460] - The size in bytes of MSS.

**configure routing cspf queue**

COMMAND:

queue [max-depth ... | min-msg-burst ...]

DESCRIPTION:

Enter the cspf queue configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] max-depth - Configure the maximum depth of the neighbor queues. [no] min-msg-burst - Configure the minimum number of messages that must be on a priority queue before the queue's depth is checked against the max-depth setting.

**configure routing cspf queue max-depth**

COMMAND:

max-depth <depth> no max-depth

DESCRIPTION:

Configure the maximum depth of the neighbor queues.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<depth> [50..262144] - The queue depth in number of work units

**configure routing cspf queue min-msg-burst**

COMMAND:

min-msg-burst <depth> no min-msg-burst

DESCRIPTION:

Configure the minimum number of messages that must be on a priority queue before the queue's depth is checked against the max-depth setting.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<depth> [0..262144] - The queue burst depth in messages

**configure routing cspf ssl**

COMMAND:

ssl [certificate-validation | client-certificate]

DESCRIPTION:

Enter SSL configuration mode for CSPF routing data connections.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] certificate-validation - Enter certificate-validation configuration mode. [no] client-certificate - Enter client-certificate configuration mode.

**configure routing cspf ssl certificate-validation**

COMMAND:

certificate-validation [enforce-trusted-common-name | max-certificate-chain-depth ... | validate-certificate-date]

DESCRIPTION:

Enter certificate-validation configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] enforce-trusted-common-name - This command toggles whether or not the trusted-common-name attribute of the neighbor is enforced or not. Each CSPF neighbor may be configured with the list of common-names which it expects to be returned in the certificates from the remote CSPF neighbor. If enforce-trusted-common-name is set, but the common-name has not been configured, the neighbor link will not be allowed to be brought into service. [no] max-certificate-chain-depth - Configure the maximum depth for the certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate. This attribute applies to both the server-certificate and client-certificate of the remote CSPF neighbor. The 'no' version resets the value to the default value. [no] validate-certificate-date - Enable the validation of the "Not Before" and "Not After" validity dates in the certificate. This attribute applies to both the server-certificate and client-certificate of the remote CSPF neighbor. The 'no' version disables the validation of the "Not Before" and "Not After" validity dates in the certificate. When disabled, the certificate is accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

**configure routing cspf ssl certificate-validation enforce-trusted-common-name**

COMMAND:

[no] enforce-trusted-common-name

DESCRIPTION:

This command toggles whether or not the trusted-common-name attribute of the neighbor is enforced or not. Each CSPF neighbor may be configured with the list of common-names which it expects to be returned in the certificates from the remote CSPF neighbor.

If enforce-trusted-common-name is set, but the common-name has not been configured, the neighbor link will not be allowed to be brought into service.

The default value is enforce-trusted-common-name.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure routing cspf ssl certificate-validation max-certificate-chain-depth**

COMMAND:

max-certificate-chain-depth <max-depth> no max-certificate-chain-depth

DESCRIPTION:

Configure the maximum depth for the certificate chain. The depth of a chain is defined as the number of signing CA certificates that are present in the chain back to a trusted self-signed root CA certificate.

This attribute applies to both the server-certificate and client-certificate of the remote CSPF neighbor.

The 'no' version resets the value to the default value.

The no version of the command returns its value to the default (3).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<max-depth> [0..8] - The maximum depth that will be accepted for a certificate chain. The valid range is 0 to 8

**configure routing cspf ssl certificate-validation validate-certificate-date**

COMMAND:

[no] validate-certificate-date

DESCRIPTION:

Enable the validation of the "Not Before" and "Not After" validity dates in the certificate.

This attribute applies to both the server-certificate and client-certificate of the remote CSPF neighbor.

The 'no' version disables the validation of the "Not Before" and "Not After" validity dates in the certificate. When disabled, the certificate is accepted even if the certificate is not valid according to the "Not Before" and "Not After" validity dates in the certificate.

The default value is validate-certificate-date.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure routing cspf ssl client-certificate**

COMMAND:

client-certificate [certificate-file ...]

DESCRIPTION:

Enter client-certificate configuration mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] certificate-file - Configure the client certificate that the neighbor links will present to the remote appliance when initiating the data connections with the neighbor. The certificate file must be in the certs directory in the jail. Once installed the file in the jail can be removed if desired. There is no SEMP support to configure the certificate-file since the security of the password cannot be assured over the wire. The no version of the command removes the certificate.

**configure routing cspf ssl client-certificate certificate-file**

COMMAND:

certificate-file <filename> no certificate-file

DESCRIPTION:

Configure the client certificate that the neighbor links will present to the remote appliance when initiating the data connections with the neighbor. The certificate file must be in the certs directory in the jail. Once installed the file in the jail can be removed if desired.

There is no SEMP support to configure the certificate-file since the security of the password cannot be assured over the wire.

The no version of the command removes the certificate.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<filename> [0..117 chars] - The certificate file in the certs directory.

**configure routing interface**

COMMAND:

interface <phy-interface> no interface

DESCRIPTION:

Configure the interface used for all routing protocols.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<phy-interface> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1"

**configure routing shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Shuts down the routing protocols. The no version enables the routing protocols.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure schedule**

COMMAND:

schedule [backup ...]

DESCRIPTION:

Use this command to schedule automatic local backups of configuration database files on the appliance. The no version of this command deletes all automatic file backup schedules and returns the appliance to its default (that is, no scheduled backups).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] backup - Schedule backups of the appliance's config

**configure schedule backup**

COMMAND:

backup [days <days-of-week>] times <times-of-day> [max-backups <max-backups>] no backup

DESCRIPTION:

Schedule backups of the appliance's config

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

days <days-of-week> [list of days] - Comma-separated list of days, or numbers where 0 is Sunday, 1 is Monday, etc. Default is daily. times <times-of-day> [list of times] - Hourly or comma-separated list of times of the form hh:mm where hh is [0..23] and mm is [0..59]. max-backups <max-backups> [1..25] - Max number of scheduled backups to keep. Default 5.

**configure service**

COMMAND:

service [event | mqtt | msg-backbone | rest | semp | smf | ssl | web-transport]

DESCRIPTION:

Enter service configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] event - Enter service events configuration. [no] mqtt - Configure MQTT service [no] msg-backbone - Enter message backbone service configuration. [no] rest - Configure REST service [no] semp - Configure SEMP service [no] smf - Configure SMF service [no] ssl - Configure SSL service. [no] web-transport - Configure Web Transport service

**configure service event**

COMMAND:

event [connections]

DESCRIPTION:

Enter service events configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Enter connections event configuration.

**configure service event connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Enter connections event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds

**configure service event connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..200000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..200000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure service mqtt**

COMMAND:

mqtt [shutdown]

DESCRIPTION:

Configure MQTT service

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Globally enable or disable the MQTT service. When disabled new MQTT Clients may not connect through a per-VPN MQTT listen-port or using WebSocket, and all currently connected MQTT Clients are immediately disconnected. QoS 1 subscriptions of MQTT MQTT Sessions will continue to attract messages while the MQTT service is disabled.

**configure service mqtt shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Globally enable or disable the MQTT service. When disabled new MQTT Clients may not connect through a per-VPN MQTT listen-port or using WebSocket, and all currently connected MQTT Clients are immediately disconnected. QoS 1 subscriptions of MQTT MQTT Sessions will continue to attract messages while the MQTT service is disabled.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure service msg-backbone**

COMMAND:

msg-backbone [shutdown]

DESCRIPTION:

Enter message backbone service configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable/Disable all messaging services at the global level. This command shuts down the listen ports on all services on the msg-backbone.

**configure service msg-backbone shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable/Disable all messaging services at the global level. This command shuts down the listen ports on all services on the msg-backbone.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure service rest**

COMMAND:

rest [event | incoming | outgoing]

DESCRIPTION:

Configure REST service

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] event - Enter REST service events configuration. [no] incoming - Enter REST service incoming connections configuration. [no] outgoing - Enter REST service outgoing connections configuration.

**configure service rest event**

COMMAND:

event [outgoing]

DESCRIPTION:

Enter REST service events configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] outgoing - Enter outgoing event configuration.

**configure service rest event outgoing**

COMMAND:

outgoing [connections]

DESCRIPTION:

Enter outgoing event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Enter connections event configuration.

**configure service rest event outgoing connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Enter connections event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the REST outgoing connections event on the appliance. Specified either as a percentage of the appliance's maximum number of outgoing REST connections value or as a count. The maximum number of outgoing REST connections for the appliance is 6000. Default set-percentage of 80%, clear-percentage of 60%.

**configure service rest event outgoing connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the REST outgoing connections event on the appliance. Specified either as a percentage of the appliance's maximum number of outgoing REST connections value or as a count.

The maximum number of outgoing REST connections for the appliance is 6000.

Default set-percentage of 80%, clear-percentage of 60%.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..6000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..6000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure service rest incoming**

COMMAND:

incoming [shutdown]

DESCRIPTION:

Enter REST service incoming connections configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable the REST service incoming connections on the appliance.

**configure service rest incoming shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the REST service incoming connections on the appliance.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure service rest outgoing**

COMMAND:

outgoing [shutdown]

DESCRIPTION:

Enter REST service outgoing connections configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Enable or disable the REST service outgoing connections on the appliance.

**configure service rest outgoing shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Enable or disable the REST service outgoing connections on the appliance.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure service semp**

COMMAND:

semp [listen-port ... | shutdown ...]

DESCRIPTION:

Configure SEMP service

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] listen-port - This command is used to specify the TCP port number that SEMP clients use when connecting to the appliance. The no version of the command sets the port to its default value 80 for plain-text or 443 for SSL. \*Note: SEMP services must be "shutdown" before running this command. [no] shutdown - This command disables SEMP services on the appliance, and disconnects all SEMP clients.SEMP services must be shutdown before SEMP configuration parameters can be modified. The no version of the command enables SEMP services on the appliance.

**configure service semp listen-port**

COMMAND:

listen-port <port> [ssl] no listen-port [ssl]

DESCRIPTION:

This command is used to specify the TCP port number that SEMP clients use when connecting to the appliance. The no version of the command sets the port to its default value 80 for plain-text or 443 for SSL. \*Note: SEMP services must be "shutdown" before running this command.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<port> [1..65535] - Port number used for SEMP service. ssl - For SSL or TLS traffic

**configure service semp shutdown**

COMMAND:

shutdown [ssl] [plain-text] no shutdown [ssl] [plain-text]

DESCRIPTION:

This command disables SEMP services on the appliance, and disconnects all SEMP clients.SEMP services must be shutdown before SEMP configuration parameters can be modified. The no version of the command enables SEMP services on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

ssl - For SSL or TLS SEMP requests plain-text - For plain-text SEMP requests

**configure service smf**

COMMAND:

smf [event | listen-port ... | shutdown]

DESCRIPTION:

Configure SMF service

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] event - Enter SMF service events configuration. [no] listen-port - This command is used to specify the TCP port numbers that SMF clients and neighbor appliances use when connecting to the appliance. The no version of the command sets the port to its default value. \*Note: SMF services must be "shutdown" before running this command. [no] shutdown - This command disables SMF services on the appliance, and disconnects all SMF clients.SMF services must be shutdown before SMF configuration parameters can be modified. The no version of the command enables SMF services on the appliance.

**configure service smf event**

COMMAND:

event [connections]

DESCRIPTION:

Enter SMF service events configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Enter connections event configuration.

**configure service smf event connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Enter connections event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds.

**configure service smf event connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..30000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..30000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max-connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max-connections value

**configure service smf listen-port**

COMMAND:

listen-port <port> {[compressed] [routing-control] | [ssl]} no listen-port {[compressed] [routing-control] | [ssl]}

DESCRIPTION:

This command is used to specify the TCP port numbers that SMF clients and neighbor appliances use when connecting to the appliance. The no version of the command sets the port to its default value. \*Note: SMF services must be "shutdown" before running this command.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<port> [1..65535] - Port number used for SMF service. compressed - For compressed traffic routing-control - For routing control traffic ssl - For ssl traffic

**configure service smf shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

This command disables SMF services on the appliance, and disconnects all SMF clients.SMF services must be shutdown before SMF configuration parameters can be modified. The no version of the command enables SMF services on the appliance.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure service ssl**

COMMAND:

ssl [event]

DESCRIPTION:

Configure SSL service.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] event - Enter SSL service events configuration.

**configure service ssl event**

COMMAND:

event [connections]

DESCRIPTION:

Enter SSL service events configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] connections - Enter connections event configuration.

**configure service ssl event connections**

COMMAND:

connections [thresholds ...]

DESCRIPTION:

Enter connections event configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] thresholds - Configure/reset thresholds for the total number of incoming and outgoing SSL connections event either as a percentage of max SSL connections or as a count.

**configure service ssl event connections thresholds**

COMMAND:

thresholds {[set-value <set-value>] [clear-value <clear-value>] | [set-percentage <set-percentage>] [clear-percentage <clear-percentage>]} no thresholds

DESCRIPTION:

Configure/reset thresholds for the total number of incoming and outgoing SSL connections event either as a percentage of max SSL connections or as a count.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [0..30000] - The set value to be configured for this event as an absolute count clear-value <clear-value> [0..30000] - The clear value to be configured for this event as an absolute count set-percentage <set-percentage> [0..100] - The set value to be configured for this event as a percentage of the max SSL connections value clear-percentage <clear-percentage> [0..100] - The clear value to be configured for this event as a percentage of the max SSL connections value

**configure service web-transport**

COMMAND:

web-transport [listen-port ... | shutdown | web-url-suffix ...]

DESCRIPTION:

Configure Web Transport service

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] listen-port - This command is used to specify the TCP port number that Web clients use when connecting to the appliance. The no version of the command sets the port to its default value (80). \*Note: Web services must be "shutdown" before running this command. [no] shutdown - This command disables Web services on the appliance, and disconnects all Web clients. Web services must be shutdown before Web configuration parameters can be modified. The no version of the command enables Web services on the appliance. [no] web-url-suffix - This command is used to specify the Web URL suffix that will be used by Web clients when communicating with the appliance. The no version of the command sets the Web URL suffix to its default value (empty string). Note: Web services must be "shutdown" before running this command. Note: The suffix should be chosen such that, when appended to the initial Web URL, it forms a valid URL in accordance with RFC3986.

**configure service web-transport listen-port**

COMMAND:

listen-port <port> [ssl] no listen-port [ssl]

DESCRIPTION:

This command is used to specify the TCP port number that Web clients use when connecting to the appliance. The no version of the command sets the port to its default value (80). \*Note: Web services must be "shutdown" before running this command.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<port> [1..65535] - Port number used for Web Transport service. ssl - For SSL or TLS traffic

**configure service web-transport shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

This command disables Web services on the appliance, and disconnects all Web clients. Web services must be shutdown before Web configuration parameters can be modified. The no version of the command enables Web services on the appliance.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure service web-transport web-url-suffix**

COMMAND:

web-url-suffix <suffix> no web-url-suffix

DESCRIPTION:

This command is used to specify the Web URL suffix that will be used by Web clients when communicating with the appliance. The no version of the command sets the Web URL suffix to its default value (empty string). Note: Web services must be "shutdown" before running this command. Note: The suffix should be chosen such that, when appended to the initial Web URL, it forms a valid URL in accordance with RFC3986.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<suffix> [0..127 chars] - Text to append to the Web URL when communicating with the appliance.

**configure snmp-server**

COMMAND:

[no] snmp-server

DESCRIPTION:

Configure the SNMP server

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server community**

COMMAND:

community <name> group <group> no community <name>

DESCRIPTION:

Configure a community access string

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<name> [string] - The community string group <group> [string] - The group to add the community to

**configure snmp-server contact**

COMMAND:

contact <name> no contact

DESCRIPTION:

Configure the contact name for the appliance

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<name> [string] - The contact name

**configure snmp-server group**

COMMAND:

group <name> {v2c | v3 {auth | noauth | priv}} no group <name>

DESCRIPTION:

Configure a group

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<name> [string] - The group name v2c - Use SNMPv2c v3 - Use SNMPv3 auth - Use authentication noauth - Use no authentication priv - Use authentication and encryption

**configure snmp-server host**

COMMAND:

host <ip-addr> traps [{v2c | v3 {{auth | noauth | priv} user <name>}}] [port <port>] [community <community-name>] no host <ip-addr>

DESCRIPTION:

Configure destination host

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<ip-addr> [nnn.nnn.nnn.nnn] - IP address traps v2c - Use SNMPv2c v3 - Use SNMPv3 auth - Use authentication noauth - Use no authentication priv - Use authentication and encryption user <name> [string] - The user name port <port> [1..65535] - UDP port number. Port 162 is used as a default if this parameter is not provided community <community-name> [string] - The community string

**configure snmp-server location**

COMMAND:

location <name> no location

DESCRIPTION:

Configure the location of the appliance

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<name> [string] - The location

**configure snmp-server shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Shuts down the snmp server. The no version of the command starts the snmp server

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap**

COMMAND:

[no] trap

DESCRIPTION:

Configure traps. The no version of the command resets all configured traps to their default thresholds

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap connections**

COMMAND:

connections [shutdown | thresholds ...]

DESCRIPTION:

Configure a trap for the number of TCP connections in the system.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables connections trap. [no] thresholds - Configure/reset thresholds for the connections trap.

**configure snmp-server trap connections shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables connections trap.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap connections thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the connections trap.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [string] - The set value to be configured for this trap. clear-value <clear-value> [string] - The clear value to be configured for this trap.

**configure snmp-server trap disk-utilization**

COMMAND:

disk-utilization [disk <disk-name>]

DESCRIPTION:

Configure the disk-utilization trap.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

disk <disk-name> [string] - Disk name having one of the following values: "md2" (root disk), "md6" (internal disk), "externalSpool/p1", or "externalSpool/p2". If it is left unspecified specified it defaults to "md6".

**configure snmp-server trap disk-utilization shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables disk utilization trap.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap disk-utilization thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the disk utilization trap.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [string] - The set value to be configured for this trap. clear-value <clear-value> [string] - The clear value to be configured for this trap.

**configure snmp-server trap egress-msg-rate**

COMMAND:

egress-msg-rate [shutdown | thresholds ...]

DESCRIPTION:

Configures a trap for aggregate egress message rates in msgs/sec. If configured, a trap is sent when the aggregate egress message rate exceeds the configured limit.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables egress message rate trap. [no] thresholds - Configure/reset thresholds for the egress message rate trap.

**configure snmp-server trap egress-msg-rate shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables egress message rate trap.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap egress-msg-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the egress message rate trap.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [string] - The set value to be configured for this trap. clear-value <clear-value> [string] - The clear value to be configured for this trap.

**configure snmp-server trap fan-speed**

COMMAND:

fan-speed [shutdown]

DESCRIPTION:

Configure all fanSpeed sensor traps in the system with a high and a low threshold. The value polled is the speed of the fan with a unit of RPM.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables fan speed traps.

**configure snmp-server trap fan-speed shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables fan speed traps.

The default value is unknown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap ingress-msg-rate**

COMMAND:

ingress-msg-rate [shutdown | thresholds ...]

DESCRIPTION:

Configures a trap for aggregate ingress message rates in msgs/sec. If configured, a trap is sent when the aggregate ingress message rate exceeds the configured limit.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables ingress message rate trap. [no] thresholds - Configure/reset thresholds for the ingress message rate trap.

**configure snmp-server trap ingress-msg-rate shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables ingress message rate trap.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap ingress-msg-rate thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the ingress message rate trap.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [string] - The set value to be configured for this trap. clear-value <clear-value> [string] - The clear value to be configured for this trap.

**configure snmp-server trap power-status**

COMMAND:

power-status [shutdown]

DESCRIPTION:

Configures a binary trap for power-status. Value polled is componentPresence that gives status information of the power-modules. 1 indicates a failure of one of the power-modules and 0 indicates no failure.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables power status traps.

**configure snmp-server trap power-status shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables power status traps.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Stops the generation of traps. The no version of the command enables the generation of all configured traps.

The default value is shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap subscriptions**

COMMAND:

subscriptions [shutdown | thresholds ...]

DESCRIPTION:

Configure a trap for the number of subscriptions.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables subscriptions trap. [no] thresholds - Configure/reset thresholds for the subscriptions trap.

**configure snmp-server trap subscriptions shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables subscriptions trap.

The default value is no shutdown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap subscriptions thresholds**

COMMAND:

thresholds [set-value <set-value>] [clear-value <clear-value>] no thresholds

DESCRIPTION:

Configure/reset thresholds for the subscriptions trap.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

set-value <set-value> [string] - The set value to be configured for this trap. clear-value <clear-value> [string] - The clear value to be configured for this trap.

**configure snmp-server trap temperature**

COMMAND:

temperature [shutdown]

DESCRIPTION:

Configure traps for all temperature sensors in the system with a high and a possible low threshold.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables temperature traps.

**configure snmp-server trap temperature shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables temperature traps.

The default value is unknown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server trap voltage**

COMMAND:

voltage [shutdown]

DESCRIPTION:

Configure traps for all voltage sensors in the system with a high and a low threshold.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] shutdown - Disables/Enables voltage traps.

**configure snmp-server trap voltage shutdown**

COMMAND:

[no] shutdown

DESCRIPTION:

Disables/Enables voltage traps.

The default value is unknown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure snmp-server user**

COMMAND:

user <name> group <group> {password <password>} no user <name>

DESCRIPTION:

Configure a user

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<name> [1..31 chars] - The user name group <group> [1..31 chars] - The group name password <password> [8..128 chars] - The password

**configure ssl**

COMMAND:

ssl [allow-tls-version-1.0 | server-certificate ... | tls-session-timeout ...]

DESCRIPTION:

Enter SSL configuration mode

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[no] allow-tls-version-1.0 - This command is used to allow/disallow connections to/from the router using TLS version 1.0 The no version of this command disallows TLS version 1.0 connections. Clients and SEMP users must use TLS version 1.1 or 1.2 to connect to the router. Outgoing LDAP client authentication connections will be unable to connect to LDAP servers which only support TLS 1.0 or earlier protocols. Default: TLS version 1.0 connections are disallowed. [no] server-certificate - Configure the SSL certificate used by the appliance for SSL. The file must be located in the /certs directory and must be PEM formatted (have a .pem extension). It must consist of a private key and between one and three certificates comprising the certificate trust chain. [no] tls-session-timeout - Configure the appliance's TLS ticket lifetime. When an SSL Client connects with the appliance, a session with a session ticket is created. The TLS ticket lifetime determines how long this ticket would remain valid for the SSL Client to resume the session. This command can be executed at any time and is used when an SSL Client attempts to resume the session. The no version of the command resets the tls-session-timeout to the default value. Default: 86400 secs

**configure ssl allow-tls-version-1.0**

COMMAND:

[no] allow-tls-version-1.0

DESCRIPTION:

This command is used to allow/disallow connections to/from the router using TLS version 1.0 The no version of this command disallows TLS version 1.0 connections. Clients and SEMP users must use TLS version 1.1 or 1.2 to connect to the router. Outgoing LDAP client authentication connections will be unable to connect to LDAP servers which only support TLS 1.0 or earlier protocols. Default: TLS version 1.0 connections are disallowed.

The default value is no allow-tls-version-1.0.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**configure ssl server-certificate**

COMMAND:

server-certificate <filename> no server-certificate

DESCRIPTION:

Configure the SSL certificate used by the appliance for SSL. The file must be located in the /certs directory and must be PEM formatted (have a .pem extension). It must consist of a private key and between one and three certificates comprising the certificate trust chain.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<filename> [0..117 chars] - The certificate file in the certs directory.

**configure ssl tls-session-timeout**

COMMAND:

tls-session-timeout <seconds> no tls-session-timeout

DESCRIPTION:

Configure the appliance's TLS ticket lifetime. When an SSL Client connects with the appliance, a session with a session ticket is created. The TLS ticket lifetime determines how long this ticket would remain valid for the SSL Client to resume the session.

This command can be executed at any time and is used when an SSL Client attempts to resume the session.

The no version of the command resets the tls-session-timeout to the default value.

Default: 86400 secs

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<seconds> [1..86400] - The timeout value in seconds.

**configure syslog**

COMMAND:

syslog <name> create syslog <name> no syslog <name>

DESCRIPTION:

Enter syslog configuration mode, to configure file and remote logging destination parameters

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<name> [1..64 chars] - The name to identify this syslog destination definition. The "no" version of the command removes this syslog destination definition.

**configure syslog <name> facility**

COMMAND:

facility {command | event | system} no facility {command | event | system}

DESCRIPTION:

Configure syslog facility

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

command - Add/Remove command facility to this syslog destination definition event - Add/Remove event facility to this syslog destination definition system - Add/Remove system facility to this syslog destination definition

**configure syslog <name> host**

COMMAND:

host <hostname-or-address> [transport {tcp | udp}] no host <hostname-or-address> [transport {tcp | udp}]

DESCRIPTION:

Configure remote syslog receiver

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: yes Replicated VPNs: no

PARAMETERS:

<hostname-or-address> [1..56 chars[:nnn]/nnn.nnn.nnn.nnn[:nnn]] - IP address or hostname, with optional port number transport - Set the transport protocol mode to one of the following: tcp - Send syslog via TCP udp - Send syslog via UDP

**configure username**

COMMAND:

username <name> create username <name> {password <password>} [cli [global-access-level <access-level>] | file-transfer] no username <name>

DESCRIPTION:

Use this command to create new Solace 3200 appliance CLI or SFTP user accounts, or to change passwords on existing user accounts. The no version deletes the specified user.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none Notes/Exceptions: global/read-write is required to access usernames with global-access-level=none other than yourself. global/admin is required to access usernames with global-access-level>none other-than yourself. global/read-write is required for "create username" and "no username" for usernames with global-access-level=none. global/admin is required for "create username" and "no username" for usernames with global-access-level>none and for file-transfer usernames.

CONFIG-SYNC:

HA: configurable, default yes Replicated VPNs: no

PARAMETERS:

<name> [1..32 chars] - Username to add password <password> [1..128 chars] - Set password for the user. This parameter is not required for the "no" version of the command cli - CLI user (default) global-access-level - Allows the default global access level assigned to CLI users be overridden when creating a CLI username <access-level> [none | read-only | read-write | admin] - CLI global access level file-transfer - File transfer user. Used for remotely copying files to/from the appliance. Supported protocols are SFTP and SCP.

**configure username <name> change-password**

COMMAND:

change-password <password>

DESCRIPTION:

Change the password of the user

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none Notes/Exceptions: global/read-write is required when run against any username with global-access-level=none other than yourself. global/admin is required when run against any username with global-access-level>none other than yourself.

CONFIG-SYNC:

HA: configurable, default yes Replicated VPNs: no

PARAMETERS:

<password> [1..128 chars] - New password

**configure username <name> global-access-level**

COMMAND:

global-access-level <access-level>

DESCRIPTION:

Set the global-scope access-level of a CLI username.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: configurable, default yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write | admin] - CLI global access level

**configure username <name> message-vpn**

COMMAND:

message-vpn [access-level-exception ... | default-access-level ...]

DESCRIPTION:

Enter sub-mode to configure the access level at Message VPN level for CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

[create|no] access-level-exception - The 'create' version of this command creates a new vpn-scope access-level exception which overrides the access-level specified by the vpn-scope default access-level. The 'no' version of this command removes the access-level exception. If the 'create' and 'no' keywords are omitted, this command enters an existing access-level-exception, allowing that exception's access-level setting to be changed. default-access-level - The vpn-scope access-level that gets assigned by default to CLI users on each Message VPN unless there is an access-level exception configured for it. In that case the exception takes precedence.

**configure username <name> message-vpn access-level-exception**

COMMAND:

access-level-exception <vpn-name> create access-level-exception <vpn-name> no access-level-exception <vpn-name>

DESCRIPTION:

The 'create' version of this command creates a new vpn-scope access-level exception which overrides the access-level specified by the vpn-scope default access-level. The 'no' version of this command removes the access-level exception. If the 'create' and 'no' keywords are omitted, this command enters an existing access-level-exception, allowing that exception's access-level setting to be changed.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: configurable, default yes Replicated VPNs: no

PARAMETERS:

<vpn-name> [1..32 chars] - The name of the Message VPN for which an access level exception may be configured.

**configure username <name> message-vpn access-level-exception <vpn-name> access-level**

COMMAND:

access-level <access-level>

DESCRIPTION:

vpn-scope access-level to assign to CLI users.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: configurable, default yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write] - CLI Message VPN access level

**configure username <name> message-vpn default-access-level**

COMMAND:

default-access-level <access-level>

DESCRIPTION:

The vpn-scope access-level that gets assigned by default to CLI users on each Message VPN unless there is an access-level exception configured for it. In that case the exception takes precedence.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: configurable, default yes Replicated VPNs: no

PARAMETERS:

<access-level> [none | read-only | read-write] - CLI user Message VPN default access level

**configure username <name> rename**

COMMAND:

rename <name>

DESCRIPTION:

Change the name of the user

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write Notes/Exceptions: global/admin is required to rename any username with global-access-level > none.

CONFIG-SYNC:

HA: configurable, default yes Replicated VPNs: no

PARAMETERS:

<name> [1..32 chars] - New username

**copy**

COMMAND:

copy <source> <destination>

DESCRIPTION:

Use this command to copy files to and from the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<source> [string] - source file. Possible formats: current-config, sftp://[<username>@]<ip-addr>/ <remote-pathname>, scp://[<username>@]<ip-addr>/< remote-pathname>, or <local-pathname>. '\*' and '?' wildcards, and '[...]' character classes can be used to match multiple files. <destination> [string] - destination file. Possible formats: sftp://[<username>@]<ip-addr>/ <remote-pathname>, scp://[<username>@]<ip-addr>/< remote-pathname>, or <local-pathname>. '\*' and '?' wildcards, and '[...]' character classes can be used to match multiple files.

**delete**

COMMAND:

delete <file>

DESCRIPTION:

Use this command to delete files from the appliance. Note: Some files are not allowed to be deleted (for example, rotating system event logs such as solcbr.log.X files).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<file> [0..255 chars] - file(s) to delete. Only <local-pathname> formats may be used. '\*' and '?' wildcards, and '[...]' character classes can be used to match multiple files.

**delete-load**

COMMAND:

delete-load <version>

DESCRIPTION:

Use this command to delete a SolOS software version already installed in the /loads subdirectory on the appliance (as displayed through the show version User EXEC command), which may not be the current version or the backout version. It may also be used to delete a SolBase version installed in the /loads subdirectory, which may not be the SolBase for the current version or the backout version.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<version> [string] - Load version to delete

**dir**

COMMAND:

dir [<pattern>]

DESCRIPTION:

Use this command to list the contents of a directory on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<pattern> [0..255 chars] - file(s)/directory(s) to display. '\*' and '?' wildcards, and '[...]' character classes can be used to match multiple files.

**disable**

COMMAND:

disable

DESCRIPTION:

Use this command to return yourself to the User EXEC level of the CLI from the Privileged EXEC level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**disconnect**

COMMAND:

disconnect sessionid <session-id>

DESCRIPTION:

Disconnect a CLI session

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none Notes/Exceptions: global/admin is required to disconnect any session belonging to someone else's username.

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

sessionid <session-id> [1..8] - session Id of an existing session

**end**

COMMAND:

end

DESCRIPTION:

Use this command to exit the current CONFIG command level of the CLI and return to the Privileged EXEC level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**exit**

COMMAND:

exit

DESCRIPTION:

Use this command to exit the current command level of the CLI and return to the previous level. From the User EXEC level, use it to exit the CLI.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**help**

COMMAND:

help

DESCRIPTION:

Use this command to display the Help facility for the command line interface.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**home**

COMMAND:

home

DESCRIPTION:

Use this command to exit the current command level of the CLI and return to the User EXEC level.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**logout**

COMMAND:

logout

DESCRIPTION:

Use this command to log out of a current CLI session.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**more**

COMMAND:

more <pattern>

DESCRIPTION:

Use this command to display the contents of a text file in a directory.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<pattern> [0..255 chars] - text file(s) to display. Only <local-pathname> formats may be used. '\*' and '?' wildcards, and '[...]' character classes can be used to match multiple files.

**paging**

COMMAND:

paging [size <size>] no paging [size <size>]

DESCRIPTION:

Use this command to control the output page size for show commands. The no version disables paging.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

size <size> [1..2147483647] - Page size, default is current screen size

**ping**

COMMAND:

ping <vrf-ip-addr-or-host> [ip-interface <ip-interface>]

DESCRIPTION:

Use this command to send ICMP ECHO\_REQUEST packets to a specified host.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<vrf-ip-addr-or-host> [string] - VRF scoped IP address or hostname. VRF defaults to "management" if omitted. Examples: management:myhost, msg-backbone:192.168.1.21 ip-interface <ip-interface> [string] - (eth<port>:<ip> | chassis/lag1:1 | <cartridge>/<slot>/<port>:<ip> | <cartridge>/<slot>/lag<N>:<ip>) Examples: "eth1:1", "chassis/lag1:1", "1/5/2:3", "1/6/lag1:2"

**power-down**

COMMAND:

power-down

DESCRIPTION:

Use this command to turn off power to the appliance, on an appliance by appliance basis. Note: The appliance does NOT restart automatically after this command is run.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**pwd**

COMMAND:

pwd

DESCRIPTION:

Use this command to display the present working directory (pwd).

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**reload**

COMMAND:

reload [default-config | config <config-file>]

DESCRIPTION:

Use this command to restart the appliance using the currently installed software version. Optionally, the system configuration can be set to a backed-up configuration or the system default configuration during the restart.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write Notes/Exceptions: global/admin is required to use the config parameter.

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

default-config - Reload with a default configuration config <config-file> [string] - Reload from a backed-up configuration file

**rename**

COMMAND:

rename <old> <new>

DESCRIPTION:

Use this command to rename a regular (that is, Pathname) appliance file in the jail subdirectory.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<old> [0..255 chars] - old file. Only <local-pathname> formats may be used <new> [0..255 chars] - new file. Only <local-pathname> formats may be used

**session**

COMMAND:

session timeout ...

DESCRIPTION:

Use this command to change the CLI inactivity timeout setting for your current CLI user session on the 3200 Series router.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

timeout - Configure the current session's inactivity timeout. If not specified during a CLI session, the global console inactivity timeout is used.

**setup**

COMMAND:

setup

DESCRIPTION:

Use this command to quickly set the hostname, interfaces, clock and time zone on the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-write

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**shell**

COMMAND:

shell <reason>

DESCRIPTION:

Use this command to access the SolOS shell.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/admin

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<reason> [string] - Specify the reason for accessing the SolOS shell

**show**

COMMAND:

show [acl-profile ... | alarm | authentication ... | backup | bridge ... | cache-cluster ... | cache-instance ... | client ... | client-profile ... | client-username ... | clock ... | compression | config-sync ... | console ... | cspf ... | current-config | debug ... | deferred-config | disk ... | distributed-cache ... | dns | environment | hardware ... | hostname | interface ... | ip ... | jndi ... | kerberos ... | ldap-profile ... | log | logging ... | memory | message-spool ... | message-vpn ... | ntp-server | paging | process ... | product-key | queue ... | radius-profile ... | redundancy ... | replicated-topic ... | replication ... | router-name | routing | sequenced-topic ... | service ... | session | smrp ... | snmp ... | ssl ... | stats ... | syslog ... | topic-endpoint ... | transaction ... | trusted-root ... | username ... | version]

DESCRIPTION:

Use this command to display a variety of configuration and statistical information about the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

acl-profile - Show ACL profile information alarm - Show current alarm status authentication - Show authentication parameters for a class of users backup - Show information on configuration backups bridge - Show bridge information cache-cluster - Show the contents of the distributed-cache cluster cache-instance - Show the contents of the distributed-cache instance client - Show client information client-profile - Show client-profile information client-username - Show client-username information clock - Show system clock compression - Show compression information config-sync - Show Config-Sync information. With no parameters configuration and basic operational state are displayed. console - Show console configuration cspf - Show CSPF routing information current-config - Enter show current configuration mode. The subcommands are typically used with output redirection via '>' to create a script of CLI commands to create or remove the requested configuration debug - Show internal debug information deferred-config - Show the deferred configuration which will be applied on an appliance restart. disk - Show local disk usage and the RAID status distributed-cache - Show the contents of the distributed-cache dns - Show Domain Name System (DNS) configuration. environment - Show system environment information hardware - Show system hardware information hostname - Show hostname interface - Show the parameters configured for the interface ip - Show Internet Protocol Parameters jndi - Show JNDI configuration kerberos - Show Kerberos authentication information ldap-profile - Show ldap profile settings log - Show the appliance log logging - Show logging information memory - Show memory usage message-spool - Show message spool message-vpn - Show Message VPN information ntp-server - Show the NTP server paging - Use this command to control the output page size for show commands. The no version disables paging. process - Show system process information. Given a pid, displays detailed information for that process. product-key - Show installed product-keys and the features they unlock queue - Show queue information radius-profile - Show radius profile settings redundancy - Show redundancy configuration replicated-topic - Show replicated-topic information replication - Show global replication information router-name - Show router's name routing - Show routing configuration sequenced-topic - Show sequenced-topic information service - Show the port configuration for the protocols/services supported session - Show information regarding currently active CLI sessions. smrp - Show SMRP routing information snmp - Show SNMP agent configuration ssl - Show SSL configuration and state stats - Show global level stats syslog - Show the configured syslog destinations topic-endpoint - Show topic-endpoint information transaction - Show transaction information trusted-root - Show the trusted root certificate. username - Show the names of all the CLI and file transfer users configured on an appliance version - Show information on software loads

**show acl-profile**

COMMAND:

acl-profile <name> [message-vpn <vpn-name>] [{detail [[client-connect] [publish-topic] [subscribe-topic]]} | {users}]

DESCRIPTION:

Show ACL profile information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..32 chars] - ACL profile name; may contain wildcards message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? detail - Show detailed information client-connect - Show client-connect information publish-topic - Show publish-topic information subscribe-topic - Show subscribe-topic information users - Show users of this profile

solace> show acl-profile aclProf001

Allowed/#Exceptions

ACL Profile Message VPN Connect Publish Subscribe

------------------------ ----------------------- --------- --------- ---------

aclProf001 blue no/0 no/0 no/0

solace> show acl-profile aclProf001 detail

Profile Name : aclProf001

Vpn Name : blue

Client Connect Default Action : disallow

Exceptions : 0

Publish Topic Default Action : disallow

Exceptions : 0

Subscribe Topic Default Action : disallow

Exceptions : 0

solace> show acl-profile aclProf001 detail client-connect publish-topic subscribe-topic

Profile Name : aclProf001

Vpn Name : blue

Client Connect Default Action : disallow

Exceptions : 0

Publish Topic Default Action : disallow

Exceptions : 0

Subscribe Topic Default Action : disallow

Exceptions : 0

solace> show acl-profile aclProf001 users

Profile Name : aclProf001

Vpn Name : blue

Legend:

User Type - CU (client-username)

AG (authorization-group)

User Name Enabled # Clients

Type

---- ------------------------------------ ------- ---------

solace> show acl-profile aclProf001 message-vpn blue

Allowed/#Exceptions

ACL Profile Message VPN Connect Publish Subscribe

------------------------ ----------------------- --------- --------- ---------

aclProf001 blue no/0 no/0 no/0

solace> show acl-profile aclProf001 message-vpn blue detail

Profile Name : aclProf001

Vpn Name : blue

Client Connect Default Action : disallow

Exceptions : 0

Publish Topic Default Action : disallow

Exceptions : 0

Subscribe Topic Default Action : disallow

Exceptions : 0

solace> show acl-profile aclProf001 message-vpn blue detail client-connect publish-topic subscribe-topic

Profile Name : aclProf001

Vpn Name : blue

Client Connect Default Action : disallow

Exceptions : 0

Publish Topic Default Action : disallow

Exceptions : 0

Subscribe Topic Default Action : disallow

Exceptions : 0

solace> show acl-profile aclProf001 message-vpn blue users

Profile Name : aclProf001

Vpn Name : blue

Legend:

User Type - CU (client-username)

AG (authorization-group)

User Name Enabled # Clients

Type

---- ------------------------------------ ------- ---------

**show alarm**

COMMAND:

alarm

DESCRIPTION:

Show current alarm status

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show alarm

Alarm display is disabled.

No current alarms in the system.

**show authentication**

COMMAND:

authentication [user-class cli-semp] [current-user | access-level [{default | ldap [group <group-name-pattern>]}] [detail]]

DESCRIPTION:

Show authentication parameters for a class of users

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none Notes/Exceptions: global/read-only is required to access any variant other than "current-user".

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

user-class - Class of user to operate on. cli-semp - Show auth parameters for CLI and SEMP users. current-user - Show access level for the current user. access-level - Show access level configuration. default - Show only the default access level configuration. ldap - Show only the LDAP access level configuration. group - Filter the display of LDAP access level configuration based on the group name. <group-name-pattern> [1..256 chars] - The group name filter to apply to the show command; may contain wildcards \* or ? detail - Show access level detailed configuration

solace> show authentication

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Replace Duplicate Client Connections: no

Shell Users Direct shell login enabled

================================================== ==========================

support Yes

solace> show authentication access-level

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

LDAP:

Group Membership Attribute Name: groupMembershipText

Global

LDAP Group Access Level

-------------------------------------------------- ------------

ldapGroup none

ldapGroupNameAdmin none

ldapGroupNameNone read-only

ldapGroupNameReadOnly read-write

ldapGroupNameReadWrite admin

solace> show authentication access-level detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationdefnonevpn none

authenticationdefreadonlyvpn read-only

authenticationdefreadwritevpn read-write

blue none

LDAP:

Group Membership Attribute Name: groupMembershipText

Group: ldapGroup

Global Access Level: none

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

blue none

Group: ldapGroupNameAdmin

Global Access Level: none

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameNone

Global Access Level: read-only

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadOnly

Global Access Level: read-write

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadWrite

Global Access Level: admin

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

solace> show authentication access-level default

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

solace> show authentication access-level default detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationdefnonevpn none

authenticationdefreadonlyvpn read-only

authenticationdefreadwritevpn read-write

blue none

solace> show authentication access-level ldap

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Global

LDAP Group Access Level

-------------------------------------------------- ------------

ldapGroup none

ldapGroupNameAdmin none

ldapGroupNameNone read-only

ldapGroupNameReadOnly read-write

ldapGroupNameReadWrite admin

solace> show authentication access-level ldap detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Group: ldapGroup

Global Access Level: none

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

blue none

Group: ldapGroupNameAdmin

Global Access Level: none

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameNone

Global Access Level: read-only

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadOnly

Global Access Level: read-write

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadWrite

Global Access Level: admin

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

solace> show authentication access-level ldap group ldapGroup

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Global

LDAP Group Access Level

-------------------------------------------------- ------------

ldapGroup none

solace> show authentication access-level ldap group ldapGroup detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Group: ldapGroup

Global Access Level: none

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

blue none

solace> show authentication current-user

Access Level of Current User:

Global Access Level: admin

Message VPN Access-Level

-------------------------------- ------------

authenticationdefnonevpn read-write

authenticationdefreadonlyvpn read-write

authenticationdefreadwritevpn read-write

authenticationldapnonevpn read-write

authenticationldapreadonlyvpn read-write

authenticationldapreadwritevpn read-write

blue read-write

default read-write

genConfig\_messageVpn read-write

genConfig\_messageVpn1 read-write

genConfig\_messageVpn2 read-write

usernamenonevpn read-write

usernamereadonlyvpn read-write

usernamereadwritevpn read-write

vpn\_1 read-write

vpn\_10 read-write

vpn\_11 read-write

vpn\_12 read-write

vpn\_13 read-write

vpn\_14 read-write

vpn\_15 read-write

vpn\_16 read-write

vpn\_17 read-write

vpn\_18 read-write

vpn\_19 read-write

vpn\_2 read-write

vpn\_20 read-write

vpn\_21 read-write

vpn\_22 read-write

vpn\_23 read-write

vpn\_24 read-write

vpn\_25 read-write

vpn\_26 read-write

vpn\_27 read-write

vpn\_28 read-write

vpn\_29 read-write

vpn\_3 read-write

vpn\_30 read-write

vpn\_31 read-write

vpn\_32 read-write

vpn\_33 read-write

vpn\_34 read-write

vpn\_35 read-write

vpn\_36 read-write

vpn\_37 read-write

vpn\_38 read-write

vpn\_39 read-write

vpn\_4 read-write

vpn\_40 read-write

vpn\_41 read-write

vpn\_42 read-write

vpn\_5 read-write

vpn\_6 read-write

vpn\_7 read-write

vpn\_8 read-write

vpn\_9 read-write

vpn\_acl-profile read-write

solace> show authentication user-class cli-semp

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Replace Duplicate Client Connections: no

Shell Users Direct shell login enabled

================================================== ==========================

support Yes

solace> show authentication user-class cli-semp access-level

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

LDAP:

Group Membership Attribute Name: groupMembershipText

Global

LDAP Group Access Level

-------------------------------------------------- ------------

ldapGroup none

ldapGroupNameAdmin none

ldapGroupNameNone read-only

ldapGroupNameReadOnly read-write

ldapGroupNameReadWrite admin

solace> show authentication user-class cli-semp access-level detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationdefnonevpn none

authenticationdefreadonlyvpn read-only

authenticationdefreadwritevpn read-write

blue none

LDAP:

Group Membership Attribute Name: groupMembershipText

Group: ldapGroup

Global Access Level: none

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

blue none

Group: ldapGroupNameAdmin

Global Access Level: none

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameNone

Global Access Level: read-only

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadOnly

Global Access Level: read-write

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadWrite

Global Access Level: admin

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

solace> show authentication user-class cli-semp access-level default

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

solace> show authentication user-class cli-semp access-level default detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

Default:

Global Access Level: read-write

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationdefnonevpn none

authenticationdefreadonlyvpn read-only

authenticationdefreadwritevpn read-write

blue none

solace> show authentication user-class cli-semp access-level ldap

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Global

LDAP Group Access Level

-------------------------------------------------- ------------

ldapGroup none

ldapGroupNameAdmin none

ldapGroupNameNone read-only

ldapGroupNameReadOnly read-write

ldapGroupNameReadWrite admin

solace> show authentication user-class cli-semp access-level ldap detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Group: ldapGroup

Global Access Level: none

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

blue none

Group: ldapGroupNameAdmin

Global Access Level: none

Default VPN Access Level: read-only

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameNone

Global Access Level: read-only

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadOnly

Global Access Level: read-write

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

Group: ldapGroupNameReadWrite

Global Access Level: admin

Default VPN Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

authenticationldapnonevpn none

authenticationldapreadonlyvpn read-only

authenticationldapreadwritevpn read-write

solace> show authentication user-class cli-semp access-level ldap group ldapGroup

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Global

LDAP Group Access Level

-------------------------------------------------- ------------

ldapGroup none

solace> show authentication user-class cli-semp access-level ldap group ldapGroup detail

CLI and SEMP user class:

radius-domain: genConf\_radiusDomain

auth-type: LDAP authentication

profile-name: genConf\_ldapProfile

Access-Level Configuration:

LDAP:

Group Membership Attribute Name: groupMembershipText

Group: ldapGroup

Global Access Level: none

Default VPN Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

blue none

solace> show authentication user-class cli-semp current-user

Access Level of Current User:

Global Access Level: admin

Message VPN Access-Level

-------------------------------- ------------

authenticationdefnonevpn read-write

authenticationdefreadonlyvpn read-write

authenticationdefreadwritevpn read-write

authenticationldapnonevpn read-write

authenticationldapreadonlyvpn read-write

authenticationldapreadwritevpn read-write

blue read-write

default read-write

genConfig\_messageVpn read-write

genConfig\_messageVpn1 read-write

genConfig\_messageVpn2 read-write

usernamenonevpn read-write

usernamereadonlyvpn read-write

usernamereadwritevpn read-write

vpn\_1 read-write

vpn\_10 read-write

vpn\_11 read-write

vpn\_12 read-write

vpn\_13 read-write

vpn\_14 read-write

vpn\_15 read-write

vpn\_16 read-write

vpn\_17 read-write

vpn\_18 read-write

vpn\_19 read-write

vpn\_2 read-write

vpn\_20 read-write

vpn\_21 read-write

vpn\_22 read-write

vpn\_23 read-write

vpn\_24 read-write

vpn\_25 read-write

vpn\_26 read-write

vpn\_27 read-write

vpn\_28 read-write

vpn\_29 read-write

vpn\_3 read-write

vpn\_30 read-write

vpn\_31 read-write

vpn\_32 read-write

vpn\_33 read-write

vpn\_34 read-write

vpn\_35 read-write

vpn\_36 read-write

vpn\_37 read-write

vpn\_38 read-write

vpn\_39 read-write

vpn\_4 read-write

vpn\_40 read-write

vpn\_41 read-write

vpn\_42 read-write

vpn\_5 read-write

vpn\_6 read-write

vpn\_7 read-write

vpn\_8 read-write

vpn\_9 read-write

vpn\_acl-profile read-write

**show backup**

COMMAND:

backup

DESCRIPTION:

Show information on configuration backups

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show backup

Schedule : Mon 12:15

Max Backups : 7

Previous Autobackup : Mar 12 2017 13:20:00 EDT

Previous Backup : N/A

Backup Status : Changed since previous backup

**show bridge**

COMMAND:

bridge <bridge-name-pattern> [message-vpn <vpn-name-pattern>] [remote-message-vpn <remote-vpn-name-pattern>] [remote-router-name <remote-router-name-pattern>] [connect-via <addr-port>] [primary | backup] [subscriptions [local | remote] | stats [queues] | connections [wide] | detail | message-spool-stats | ssl | client-certificate]

DESCRIPTION:

Show bridge information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<bridge-name-pattern> [string] - bridge name; may contain wildcards \* or ? message-vpn <vpn-name-pattern> [1..32 chars] - Message VPN name; may contain wildcards \* or ? remote-message-vpn <remote-vpn-name-pattern> [string] - Message VPN name; may contain wildcards \* or ? remote-router-name <remote-router-name-pattern> [string] - Router name; may contain wildcards \* and ? connect-via <addr-port> [string] - IP address or hostname pattern with optional port number primary - Restrict output to only primary virtual routers backup - Restrict output to only backup virtual routers subscriptions - Show details about subscriptions configured for the bridge. local - Show only local subscriptions. remote - Show only remote subscriptions. stats - Show stats. queues - Show queue stats. connections - Show connections. wide - Show more information on connections in wide format. detail - Show the detailed version. message-spool-stats - Display message spool statistics. ssl - Display ssl information client-certificate - Display client certificate information

OUTPUT:

show bridge (Inbound/Outbound Oper State) NotApplicable - The connection is not relevant in the indicated direction. Shutdown - The bridge is down in the indicated direction. There are many potential reasons: - the bridge is shutdown - the bridge has no remote message-vpns - all remote message-vpns are shutdown - the local message-vpn is shutdown - the SMF service is shutdown - not active for virtual-router (VR): - no ip-interface for phys-interface - phys-interface is shutdown - ip-interface is shutdown - redundant mate has taken activity for VR - local message-vpn is replication-standby NotReady-Connecting - The bridge is down in the indicated direction. It is in the process of connecting to the remote host. NotReady-Handshaking - The bridge is down in the indicated direction. It has connected to the remote host, and is in the process of negotiating with it. NotReady-WaitNext - The bridge is down in the indicated direction. It has failed to connect to a remote host, and is waiting for the configured remote retry delay to expire before retrying. NotReady-WaitReuse - The bridge is down in the indicated direction. It established its own connection to the remote host, but determined instead that it should use an pre-existing connection established from that remote host. It is waiting for its own connection to close before reusing the existing connection. NotReady-WaitCleanup - The bridge is down in the indicated direction. Its connection has closed and is in the process of being cleaned up. Ready-Subscribing - The bridge is up and is attracting traffic, plus is in the process of adding configured subscriptions to the remote router. Ready-InSync - The bridge is up and is attracting traffic. All configured subscriptions have been added to the remote router.

solace> show bridge testBridge message-vpn blue

Total # Bridges : 4 of 1000

# Local Bridges : 4 of 500

# Remote Bridges : 0 of 500

Total Bridge Subscriptions : 5 of 20000

Flags Legend:

A - Admin State (U=Up, D=Down, -=not-applicable)

E - Connection Establisher (L=Local, R=Remote, -=not-applicable)

I - Inbound Oper State (U=Up, D=Down, -=not-applicable)

O - Outbound Oper State (U=Up, D=Down, -=not-applicable)

Q - Queue State (U=Up, D=Down, -=not-applicable)

R - Redundancy Type (P=Primary, B=Backup, -=not-applicable)

Local Remote Remote Status

Name MsgVpn MsgVpn Router A E I O Q R Uptime

------------ ----------- ----------- ------------- ----------- --------------

testBridge blue D - D - - P N/A

solace> show bridge testBridge message-vpn blue client-certificate

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

Client Certificate:

solace> show bridge testBridge message-vpn blue connections

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

solace> show bridge testBridge message-vpn blue connections wide

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

solace> show bridge testBridge message-vpn blue detail

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

Inbound Oper State: Shutdown (Bridge disabled)

Outbound Oper State: NotApplicable

Queue Oper State: NotApplicable

Connection Uptime: 0d 0h 0m 0s

Authentication

Scheme: Basic

Basic

Default Client Username:

Password Configured: No

Client Certificate

Certificate File:

Using Server Certificate: Yes

Transport Property

Compressed: -

SSL: -

Retry Count: 0 of 0

Retry Delay: 3 seconds ( 0 remaining )

Max TTL: 8

Dto Priority: P1

Client Name:

One Shot Events

TTL Exceeded: not raised

Subscriptions

Local: 0

Remote: 0

Remote Message VPN: remoteVpn via 1.2.3.4:55555 ()

Admin State: Disabled

Connect Order: 4

Connect Port Mode: non-compressed, non-ssl

Connection State: Down (Bridge disabled)

Message Spool

Queue:

Queue Bind State: Down (No queue configured)

Queue Bind Uptime: 0d 0h 0m 0s

Window Size: 255

Unidirectional

Client Profile: #client-profile

solace> show bridge testBridge message-vpn blue message-spool-stats

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

solace> show bridge testBridge message-vpn blue ssl

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

SSL:

Default Cipher Suite List: Yes

Cipher Suites:

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

AES256-GCM-SHA384

AES256-SHA256

AES256-SHA

ECDHE-RSA-DES-CBC3-SHA

DES-CBC3-SHA

ECDHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

AES128-GCM-SHA256

AES128-SHA256

AES128-SHA

Trusted Common Names:

solace> show bridge testBridge message-vpn blue stats

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

solace> show bridge testBridge message-vpn blue stats queues

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

solace> show bridge testBridge message-vpn blue subscriptions

Bridge Name: testBridge

Message VPN

Local: blue

Remote: -

Redundancy: primary

Admin State: Disabled

Conn Establisher: NotApplicable

Subscriptions

Local: 0

Remote: 0

**show cache-cluster**

COMMAND:

cache-cluster <name> [distributed-cache <cache-name>] [message-vpn <vpn-name>] [detail | topics [filter <topic-pattern>] [type {local | global [home-cache-cluster <home-cache-cluster-name>]}]]

DESCRIPTION:

Show the contents of the distributed-cache cluster

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? distributed-cache <cache-name> [1..200 chars] - Distributed-cache name, can contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? detail - Show details for each cache-cluster topics - Show configured topics filter <topic-pattern> [string] - Filter topics, can contain wildcards \* or ? type - Show only topics of specified type local - Show only local topics global - Show only global topics home-cache-cluster <home-cache-cluster-name> [1..200 chars] - Home-cache-cluster name, can contain wildcards \* or ?

solace> show cache-cluster cluster001 distributed-cache distCache001 message-vpn blue

Admin Instances Config Lost

Cluster Name Cache Name Message VPN Status (up/conf) Topics Msg

---------------- ---------------- --------------- ------ ---------- ------ ----

cluster001 distCache001 blue Down 0 / 1 0 No

solace> show cache-cluster cluster001 distributed-cache distCache001 message-vpn blue detail

Cache Cluster : cluster001

Distributed Cache : distCache001

Message VPN : blue

Admin Status : Down

Deliver-To-One Override : Enabled

Max Memory (MB) : 2048

Max Msgs Per Topic : 1

Max Topics : 2000000

Message Lifetime : Unlimited

New Topic Advertisement : Disabled

Request Queue Depth : 100000

Instances (up) : 0

Instances (configured) : 1

Topics (configured) : 0

Lost Message : No

Global Caching

Heartbeat Interval (sec) : 3

Topic Lifetime (sec) : 3600

Admin Status : Disabled

Topic Prefixes (configured) : 0

Home Cache Clusters : 1

homeCacheCluster

Event Thresholds Set Value Clear Value

---------------------------- ------------ ------------

Data Byte Rate (bytes/sec) 250000000 187500000

Data Message Rate (msgs/sec) 48000 36000

Max Memory (%) 80 60

Max Topics (%) 80 60

Request Queue Depth (%) 80 60

Request Rate (msgs/sec) 25000 1000

Response Rate (msgs/sec) 80000 1000

solace> show cache-cluster cluster001 distributed-cache distCache001 message-vpn blue topics

**show cache-instance**

COMMAND:

cache-instance <name> [cache-cluster <cluster-name>] [distributed-cache <cache-name>] [message-vpn <vpn-name>] [detail | remote {status home-cache-clusters | topics [detail] [filter <topic-pattern>] [type {local | global}]}]

DESCRIPTION:

Show the contents of the distributed-cache instance

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? cache-cluster <cluster-name> [1..200 chars] - Cache-cluster name, can contain wildcards \* or ? distributed-cache <cache-name> [1..200 chars] - Distributed-cache name, can contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? detail - Show details for each cache-instance remote - Show info from the remote instance status - Show remote status info home-cache-clusters - Show remote global caching home-cache-clusters status topics - Show remote cached topics detail - Show more detailed display of each topic filter <topic-pattern> [string] - Filter topics, can contain wildcards \* or ? type - Show only topics of specified type local - Show only local topics global - Show only global topics

solace> show cache-instance cacheInst001 cache-cluster cluster001 distributed-cache distCache001 message-vpn blue

Admin Oper Auto Stop Lost

Cache Instance Cache-Cluster Status Status Start On Loss Msg

-------------------- -------------------- ------ -------- ----- ------- ----

cacheInst001 cluster001 Down NotAvail No Yes No

solace> show cache-instance cacheInst001 cache-cluster cluster001 distributed-cache distCache001 message-vpn blue detail

Cache Instance : cacheInst001

Cache Cluster : cluster001

Distributed Cache : distCache001

Message VPN : blue

Admin Status : Down

Operational Status : NotAvail

Auto Start : No

Stop On Lost Message : Yes

Last Stopped : Never

Reason For Last Stop :

Lost Message : No

Last Set Rxd : Never

Last Clear Txd : Never

Reg With Appliance : Dec 31 1969 19:00:00 EST

Last Heartbeat Rxd : Never

solace> show cache-instance cacheInst001 cache-cluster cluster001 distributed-cache distCache001 message-vpn blue remote status home-cache-clusters

Invalid command input

show cache-instance cacheInst001 cache-cluster cluster001 distributed-cache distCache001 message-vpn blue remote status home-cache-clusters

^

-> invalid parameter

solace> show cache-instance cacheInst001 cache-cluster cluster001 distributed-cache distCache001 message-vpn blue remote topics

Cache Instance : cacheInst001

Cache Cluster : cluster001

Distributed Cache : distCache001

Message VPN : blue

Admin Status : Down

Operational Status : NotAvail

solace> show cache-instance cacheInst001 cache-cluster cluster001 distributed-cache distCache001 message-vpn blue remote topics detail

Cache Instance : cacheInst001

Cache Cluster : cluster001

Distributed Cache : distCache001

Message VPN : blue

Admin Status : Down

Operational Status : NotAvail

**show client**

COMMAND:

client <name> [client-username <username>] [message-vpn <vpn-name>] [authorization-group <group-name>] [{[{stats [congestion | queues]} | {connections [wide]}]} | {subscriptions} | {{message-spool | message-spool-stats | {transaction-stats [session <session-id>]}} [{ {ingress | egress}} [flow <flow-id>]]} | {sorted-stats [<stats-to-show>] [sort-by <stats-to-sort-by>] [clear-high-water-marks]} | {web-transport}] [detail] [primary] [backup] [ static] [slow-subscriber] [connected | disconnected]

DESCRIPTION:

Show client information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..160 chars] - Client name; may contain wildcards \* or ? client-username - Display clients associated with certain client-usernames <username> [1..189 chars] - client-username; may contain wildcards message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? authorization-group - Display only clients associated with certain authorization groups <group-name> stats - Display client traffic stats congestion - Display congestion discards stats. If applicable, output will be sorted in descending order queues - Display queue information connections - Display connection information wide - Output connection info in a wide format subscriptions - Display subscription information message-spool - Display client message spool info. message-spool-stats - Display client message spool stats. transaction-stats - Display transaction information session <session-id> [0..4294967295] - Session id to be displayed. ingress - Display ingress message spool info/stats. egress - Display egress message spool info/stats. flow <flow-id> [0..4294967295] - Flow id to be displayed (associated with ingress/egress). sorted-stats <stats-to-show> [string] - Show the specified stats (comma separated list) in descending sorted order. sort-by <stats-to-sort-by> [string] - The stats will be sorted in descending order based on the sorting criteria. If more than one criteria is present, multiple sets of stats are shown, each being sorted based on only one criteria. clear-high-water-marks - Clear the high water marks statistics. web-transport - Show info for web transport connections. detail - Show detailed information for clients matching 'name' primary - Show info for clients associated with the primary virtual router. backup - Show info for clients associated with the backup virtual router. static - Show info for clients associated with the static virtual router. slow-subscriber - Show info for clients that are unable to drain the load offered to them by the appliance connected - Show info for connected clients only disconnected - Show info for disconnected clients only Supported sorted-stats are: total-client-messages-sent total-client-messages-received total-client-bytes-sent total-client-bytes-received total-egress-discards round-trip-time-smooth-us high-water-mark-work current-ingress-message-rate-per-second current-egress-message-rate-per-second average-ingress-message-rate-per-minute average-egress-message-rate-per-minute current-ingress-byte-rate-per-second current-egress-byte-rate-per-second average-ingress-byte-rate-per-minute average-egress-byte-rate-per-minute num-subscriptions

solace> show client #client message-vpn blue

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue connections

Recv-Q Send-Q Received Fast Timed

Prt Bytes Bytes Client Address State OutOfOrder Retransmit Retransmit

--- ------- ------- --------------------- ----- ---------- ---------- ----------

Client: #client non-compressed

non-ssl

tcp 0 0 127.55.55.55:49216 ESTAB 0 0 0

solace> show client #client message-vpn blue connections connected

Recv-Q Send-Q Received Fast Timed

Prt Bytes Bytes Client Address State OutOfOrder Retransmit Retransmit

--- ------- ------- --------------------- ----- ---------- ---------- ----------

Client: #client non-compressed

non-ssl

tcp 0 0 127.55.55.55:49216 ESTAB 0 0 0

solace> show client #client message-vpn blue message-spool

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue message-spool connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue message-spool-stats detail

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Message Spool

Egress Flow Statistics

Client Bind Statistics

Client Bind Requests: 0

Client Bind Responses: 0

OK: 0

Already Bound: 0

Exceeded Clients: 0

Queue/TE Shutdown: 0

Denied Guaranteed Messages: 0

Denied Cut-Through Forwarding: 0

Invalid Selector: 0

Other: 0

Ingress Flow Statistics

Client Publish Open Statistics

Client Publish Open Requests: 0

Client Publish Open Responses: 0

OK: 0

Exceeded Clients: 0

Denied Guaranteed Messages: 0

Other: 0

solace> show client #client message-vpn blue message-spool-stats detail connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Message Spool

Egress Flow Statistics

Client Bind Statistics

Client Bind Requests: 0

Client Bind Responses: 0

OK: 0

Already Bound: 0

Exceeded Clients: 0

Queue/TE Shutdown: 0

Denied Guaranteed Messages: 0

Denied Cut-Through Forwarding: 0

Invalid Selector: 0

Other: 0

Ingress Flow Statistics

Client Publish Open Statistics

Client Publish Open Requests: 0

Client Publish Open Responses: 0

OK: 0

Exceeded Clients: 0

Denied Guaranteed Messages: 0

Other: 0

solace> show client #client message-vpn blue stats detail

Client Name: #client

Subscriptions: 5

Message VPN: blue

Description: Internal Message Bus

Received Sent

-------------------- --------------------

Total Client Messages 6 2

Client Data Messages 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Large Messages 0

DTO Messages 0

Client Control Messages 6 2

Login 1 1

Denied Duplicate Clients 0

Update 0 0

KeepAlive 0 0

Assured Control 0 0

Add Subscription Messages

Client Adds 5 1

Subscription Manager Adds 0 0

Already Exists 0

Not Enough Space 0

Max Exceeded 0

Parse Error 0

Denied Subscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Remove Subscription Messages

Client Removes 0 0

Subscription Manager Removes 0 0

Not Found 0

Parse Error 0

Denied Unsubscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Total Client Bytes 417 255

Client Data Bytes 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Client Control Bytes 417 255

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Compression/Decompression Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Compressed Bytes 0 0

Uncompressed Bytes 0 0

Compression Ratio 0.00 0.00

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Compressed Rate (1 sec) 0 0

Uncompressed Rate (1 sec) 0 0

Compressed Rate (60 sec) 0 0

Uncompressed Rate (60 sec) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

Topic Parse Error 0

Parse Error 0

Message Too Big 0

TTL Exceeded 0

Web Transport Ingress Parse Error 0

Publish Topic ACL 0

Message Spool Congestion 0

Message Spool Ingress Discards 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Transmit Congestion 0

Compression Congestion 0

Elided 0

Payload Could Not Be Formatted 0

Client Not Connected 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Managed Subscriptions \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Adds from Subscription Manager 0

Removes From Subscription Manager 0

solace> show client #client message-vpn blue stats detail connected

Client Name: #client

Subscriptions: 5

Message VPN: blue

Description: Internal Message Bus

Received Sent

-------------------- --------------------

Total Client Messages 6 2

Client Data Messages 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Large Messages 0

DTO Messages 0

Client Control Messages 6 2

Login 1 1

Denied Duplicate Clients 0

Update 0 0

KeepAlive 0 0

Assured Control 0 0

Add Subscription Messages

Client Adds 5 1

Subscription Manager Adds 0 0

Already Exists 0

Not Enough Space 0

Max Exceeded 0

Parse Error 0

Denied Subscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Remove Subscription Messages

Client Removes 0 0

Subscription Manager Removes 0 0

Not Found 0

Parse Error 0

Denied Unsubscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Total Client Bytes 417 255

Client Data Bytes 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Client Control Bytes 417 255

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Compression/Decompression Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Compressed Bytes 0 0

Uncompressed Bytes 0 0

Compression Ratio 0.00 0.00

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Compressed Rate (1 sec) 0 0

Uncompressed Rate (1 sec) 0 0

Compressed Rate (60 sec) 0 0

Uncompressed Rate (60 sec) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

Topic Parse Error 0

Parse Error 0

Message Too Big 0

TTL Exceeded 0

Web Transport Ingress Parse Error 0

Publish Topic ACL 0

Message Spool Congestion 0

Message Spool Ingress Discards 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Transmit Congestion 0

Compression Congestion 0

Elided 0

Payload Could Not Be Formatted 0

Client Not Connected 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Managed Subscriptions \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Adds from Subscription Manager 0

Removes From Subscription Manager 0

solace> show client #client message-vpn blue stats congestion detail

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Congestion Discards (Slow Consumer): 0

solace> show client #client message-vpn blue stats congestion detail connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Congestion Discards (Slow Consumer): 0

solace> show client #client message-vpn blue stats queues detail

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Listed from lowest to highest priority: (G-Guaranteed, D-Direct, C-Control)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Client Transmit Queues \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Queue | Length | Length | HWMark | Max | Discards | Delivered

(Prio) | (Msgs) | (Work) | (Work) | (Work) | (Msgs) | (Msgs)

-------+---------+---------+----------+----------+----------+-----------------

G-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-2 | 0 | 0 | 0 | 20000 | 0 | 0

D-3 | 0 | 0 | 0 | 20000 | 0 | 0

C-1 | 0 | 0 | 1 | 20000 | 0 | 2

solace> show client #client message-vpn blue stats queues detail connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Listed from lowest to highest priority: (G-Guaranteed, D-Direct, C-Control)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Client Transmit Queues \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Queue | Length | Length | HWMark | Max | Discards | Delivered

(Prio) | (Msgs) | (Work) | (Work) | (Work) | (Msgs) | (Msgs)

-------+---------+---------+----------+----------+----------+-----------------

G-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-2 | 0 | 0 | 0 | 20000 | 0 | 0

D-3 | 0 | 0 | 0 | 20000 | 0 | 0

C-1 | 0 | 0 | 1 | 20000 | 0 | 2

solace> show client #client message-vpn blue subscriptions

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

DTO

Priority Subscription

-------- ----------------------------------------------------------------------

P1 #MCAST/>

P1 #SEMP/lab-129-91/>

P1 #P2P/v:lab-129-91/#client/>

P1 #SEMP/v:lab-129-91/>

P1 #P2P/lab-129-91/#client/>

solace> show client #client message-vpn blue subscriptions connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

DTO

Priority Subscription

-------- ----------------------------------------------------------------------

P1 #MCAST/>

P1 #SEMP/lab-129-91/>

P1 #P2P/v:lab-129-91/#client/>

P1 #SEMP/v:lab-129-91/>

P1 #P2P/lab-129-91/#client/>

solace> show client #client message-vpn blue transaction-stats detail

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue transaction-stats detail connected

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue transaction-stats session 0 detail

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue transaction-stats session 0 detail connected

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue web-transport

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue web-transport connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue authorization-group authGroup

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue authorization-group authGroup connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue authorization-group authGroup connections

Recv-Q Send-Q Received Fast Timed

Prt Bytes Bytes Client Address State OutOfOrder Retransmit Retransmit

--- ------- ------- --------------------- ----- ---------- ---------- ----------

Client: #client non-compressed

non-ssl

tcp 0 0 127.55.55.55:49216 ESTAB 0 0 0

solace> show client #client message-vpn blue authorization-group authGroup connections connected

Recv-Q Send-Q Received Fast Timed

Prt Bytes Bytes Client Address State OutOfOrder Retransmit Retransmit

--- ------- ------- --------------------- ----- ---------- ---------- ----------

Client: #client non-compressed

non-ssl

tcp 0 0 127.55.55.55:49216 ESTAB 0 0 0

solace> show client #client message-vpn blue authorization-group authGroup message-spool

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue authorization-group authGroup message-spool connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue authorization-group authGroup message-spool-stats detail

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Message Spool

Egress Flow Statistics

Client Bind Statistics

Client Bind Requests: 0

Client Bind Responses: 0

OK: 0

Already Bound: 0

Exceeded Clients: 0

Queue/TE Shutdown: 0

Denied Guaranteed Messages: 0

Denied Cut-Through Forwarding: 0

Invalid Selector: 0

Other: 0

Ingress Flow Statistics

Client Publish Open Statistics

Client Publish Open Requests: 0

Client Publish Open Responses: 0

OK: 0

Exceeded Clients: 0

Denied Guaranteed Messages: 0

Other: 0

solace> show client #client message-vpn blue authorization-group authGroup message-spool-stats detail connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Message Spool

Egress Flow Statistics

Client Bind Statistics

Client Bind Requests: 0

Client Bind Responses: 0

OK: 0

Already Bound: 0

Exceeded Clients: 0

Queue/TE Shutdown: 0

Denied Guaranteed Messages: 0

Denied Cut-Through Forwarding: 0

Invalid Selector: 0

Other: 0

Ingress Flow Statistics

Client Publish Open Statistics

Client Publish Open Requests: 0

Client Publish Open Responses: 0

OK: 0

Exceeded Clients: 0

Denied Guaranteed Messages: 0

Other: 0

solace> show client #client message-vpn blue authorization-group authGroup stats detail

Client Name: #client

Subscriptions: 5

Message VPN: blue

Description: Internal Message Bus

Received Sent

-------------------- --------------------

Total Client Messages 6 2

Client Data Messages 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Large Messages 0

DTO Messages 0

Client Control Messages 6 2

Login 1 1

Denied Duplicate Clients 0

Update 0 0

KeepAlive 0 0

Assured Control 0 0

Add Subscription Messages

Client Adds 5 1

Subscription Manager Adds 0 0

Already Exists 0

Not Enough Space 0

Max Exceeded 0

Parse Error 0

Denied Subscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Remove Subscription Messages

Client Removes 0 0

Subscription Manager Removes 0 0

Not Found 0

Parse Error 0

Denied Unsubscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Total Client Bytes 417 255

Client Data Bytes 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Client Control Bytes 417 255

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Compression/Decompression Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Compressed Bytes 0 0

Uncompressed Bytes 0 0

Compression Ratio 0.00 0.00

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Compressed Rate (1 sec) 0 0

Uncompressed Rate (1 sec) 0 0

Compressed Rate (60 sec) 0 0

Uncompressed Rate (60 sec) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

Topic Parse Error 0

Parse Error 0

Message Too Big 0

TTL Exceeded 0

Web Transport Ingress Parse Error 0

Publish Topic ACL 0

Message Spool Congestion 0

Message Spool Ingress Discards 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Transmit Congestion 0

Compression Congestion 0

Elided 0

Payload Could Not Be Formatted 0

Client Not Connected 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Managed Subscriptions \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Adds from Subscription Manager 0

Removes From Subscription Manager 0

solace> show client #client message-vpn blue authorization-group authGroup stats detail connected

Client Name: #client

Subscriptions: 5

Message VPN: blue

Description: Internal Message Bus

Received Sent

-------------------- --------------------

Total Client Messages 6 2

Client Data Messages 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Large Messages 0

DTO Messages 0

Client Control Messages 6 2

Login 1 1

Denied Duplicate Clients 0

Update 0 0

KeepAlive 0 0

Assured Control 0 0

Add Subscription Messages

Client Adds 5 1

Subscription Manager Adds 0 0

Already Exists 0

Not Enough Space 0

Max Exceeded 0

Parse Error 0

Denied Subscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Remove Subscription Messages

Client Removes 0 0

Subscription Manager Removes 0 0

Not Found 0

Parse Error 0

Denied Unsubscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Total Client Bytes 417 255

Client Data Bytes 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Client Control Bytes 417 255

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Compression/Decompression Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Compressed Bytes 0 0

Uncompressed Bytes 0 0

Compression Ratio 0.00 0.00

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Compressed Rate (1 sec) 0 0

Uncompressed Rate (1 sec) 0 0

Compressed Rate (60 sec) 0 0

Uncompressed Rate (60 sec) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

Topic Parse Error 0

Parse Error 0

Message Too Big 0

TTL Exceeded 0

Web Transport Ingress Parse Error 0

Publish Topic ACL 0

Message Spool Congestion 0

Message Spool Ingress Discards 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Transmit Congestion 0

Compression Congestion 0

Elided 0

Payload Could Not Be Formatted 0

Client Not Connected 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Managed Subscriptions \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Adds from Subscription Manager 0

Removes From Subscription Manager 0

solace> show client #client message-vpn blue authorization-group authGroup stats congestion detail

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Congestion Discards (Slow Consumer): 0

solace> show client #client message-vpn blue authorization-group authGroup stats congestion detail connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Congestion Discards (Slow Consumer): 0

solace> show client #client message-vpn blue authorization-group authGroup stats queues detail

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Listed from lowest to highest priority: (G-Guaranteed, D-Direct, C-Control)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Client Transmit Queues \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Queue | Length | Length | HWMark | Max | Discards | Delivered

(Prio) | (Msgs) | (Work) | (Work) | (Work) | (Msgs) | (Msgs)

-------+---------+---------+----------+----------+----------+-----------------

G-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-2 | 0 | 0 | 0 | 20000 | 0 | 0

D-3 | 0 | 0 | 0 | 20000 | 0 | 0

C-1 | 0 | 0 | 1 | 20000 | 0 | 2

solace> show client #client message-vpn blue authorization-group authGroup stats queues detail connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Listed from lowest to highest priority: (G-Guaranteed, D-Direct, C-Control)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Client Transmit Queues \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Queue | Length | Length | HWMark | Max | Discards | Delivered

(Prio) | (Msgs) | (Work) | (Work) | (Work) | (Msgs) | (Msgs)

-------+---------+---------+----------+----------+----------+-----------------

G-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-1 | 0 | 0 | 0 | 20000 | 0 | 0

D-2 | 0 | 0 | 0 | 20000 | 0 | 0

D-3 | 0 | 0 | 0 | 20000 | 0 | 0

C-1 | 0 | 0 | 1 | 20000 | 0 | 2

solace> show client #client message-vpn blue authorization-group authGroup subscriptions

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

DTO

Priority Subscription

-------- ----------------------------------------------------------------------

P1 #MCAST/>

P1 #SEMP/lab-129-91/>

P1 #P2P/v:lab-129-91/#client/>

P1 #SEMP/v:lab-129-91/>

P1 #P2P/lab-129-91/#client/>

solace> show client #client message-vpn blue authorization-group authGroup subscriptions connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 5

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

DTO

Priority Subscription

-------- ----------------------------------------------------------------------

P1 #MCAST/>

P1 #SEMP/lab-129-91/>

P1 #P2P/v:lab-129-91/#client/>

P1 #SEMP/v:lab-129-91/>

P1 #P2P/lab-129-91/#client/>

solace> show client #client message-vpn blue authorization-group authGroup transaction-stats detail

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue authorization-group authGroup transaction-stats detail connected

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue authorization-group authGroup transaction-stats session 0 detail

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue authorization-group authGroup transaction-stats session 0 detail connected

Client: #client

Client Id: 118

Originating IP Address: 127.55.55.55

Message VPN: blue

Client Username: #client-username

solace> show client #client message-vpn blue authorization-group authGroup web-transport

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 50s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

solace> show client #client message-vpn blue authorization-group authGroup web-transport connected

Client: #client

Type: Internal

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address: 127.55.55.55

Subscriptions: 0

No Local Delivery: No

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority: 1

Network Priority: 1

Client Id: 118

Message VPN: blue

Uptime: 0d 0h 0m 51s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description: Internal Message Bus

Software Version: 7.2.0.489

Software Date: Jun 20 2016 14:51:14

Platform: Linux26-x86\_64\_opt - C SDK

One Shot Events:

Large Message: not raised

Message Too Big: not raised

Parse Error: not raised

Max Eliding Topics: not raised

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

**show client-profile**

COMMAND:

client-profile <name> [message-vpn <vpn-name>] [detail]

DESCRIPTION:

Show client-profile information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..32 chars] - client profile name. message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? detail - Display detailed information on client profile(s).

solace> show client-profile default message-vpn blue detail

Profile Name : default

Message VPN : blue

(G-Guaranteed, D-Direct, C-Control)

Queue Max Depths

G-1 : 20000 work units

D-1 : 20000 work units

D-2 : 20000 work units

D-3 : 20000 work units

C-1 : 20000 work units

Priority Queue Min Burst

G-1 : 255 messages

D-1 : 4 messages

D-2 : 4 messages

D-3 : 4 messages

C-1 : 4 messages

Message Spool

Guaranteed Message Send : deny

Guaranteed Message Receive : deny

Guaranteed Endpoint Create : deny

Transacted Sessions : deny

Cut-Through Forwarding : deny

Max Transacted Sessions : 10

Max Transactions : 16000

Max Endpoints per client-username : 16000

Max Egress Flows : 16000

Max Ingress Flows : 16000

Reject Message to Sender on

No Subscription Match : no

Copy-from Queue :

Copy-from Topic Endpoint :

TCP

MSS : 1460

Initial Window : 2

Maximum Window : 256 KB

Keepalive

Count : 5

Idle : 3 seconds

Interval : 1 seconds

Eliding

Enabled : No

Max Topics : 256

Delay : 0 milliseconds

Web Transport

Inactive Timeout : 30 seconds

Max Web Payload : 1000000 bytes

Replication

Allow Clients When Standby : No

Max # Connections per client-username : 6000

Service SMF : 6000

Web Transport : 6000

Max # Subscriptions : 5000000

Allow Bridge Connections : No

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Subscriptions 80%(4000000) 60%(3000000)

Connections per client-username 80%(4800) 60%(3600)

Service SMF 80%(4800) 60%(3600)

Service WEB 80%(4800) 60%(3600)

Provisioned endpt spool usage (%) 80% 60%

Transacted sessions 80%(8) 60%(6)

Transactions 80%(12800) 60%(9600)

Endpoints per client-username 80%(12800) 60%(9600)

Egress flows 80%(12800) 60%(9600)

Ingress flows 80%(12800) 60%(9600)

Legend:

User Type - CU (client-username)

UB (unidirectional bridge [remote message-vpn])

RB (replication bridge)

AG (authorization group)

User Name # Active

Type Clients

---- ---------------------------------------------------------------- --------

CU #rdp/rdp001 1

CU default 0

CU user001 0

AG authGroup 0

Num users 4

**show client-username**

COMMAND:

client-username <name> [message-vpn <vpn-name>] [authorization-group <group-name>] [stats | detail | guaranteed-endpoints-owned]

DESCRIPTION:

Show client-username information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..189 chars] - Client username; may contain wildcards message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? authorization-group <group-name> [1..256 chars] - Display only client usernames associated with certain authorization groups; may contain wildcards \* or ? stats - Display client-username statistics detail - Display detailed information about the specified client-username guaranteed-endpoints-owned - Display guaranteed endpoints owned by the specified client-username

solace> show client-username default message-vpn blue

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

Username Message VPN Enabled # Clients

---------------------------------- --------------------------- ------- ---------

default blue No 0

solace> show client-username default message-vpn blue detail

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

Username : default

Message VPN : blue

Enabled : No

Permission Override : No

Client Profile : default

ACL Profile : default

Authorization Group :

Dynamically configured : No

Password Configured : No

Subscription Manager : No

# Clients : 0

Service SMF : 0

Service Web Transport : 0

Max Connections : 6000

Service SMF : 6000

Service Web Transport : 6000

# Endpoints : 0

Max Endpoints : 16000

solace> show client-username default message-vpn blue guaranteed-endpoints-owned

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

Username : default

Message VPN : blue

solace> show client-username default message-vpn blue stats

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

Username : default

Message VPN : blue

Enabled : No

Permission Override : No

Client Profile : default

ACL Profile : default

Authorization Group :

Dynamically configured : No

Password Configured : No

Subscription Manager : No

# Clients : 0

Service SMF : 0

Service Web Transport : 0

Max Connections : 6000

Service SMF : 6000

Service Web Transport : 6000

# Endpoints : 0

Max Endpoints : 16000

Denied Login - Client Username Shutdown: 0

solace> show client-username default message-vpn blue authorization-group authGroup

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

solace> show client-username default message-vpn blue authorization-group authGroup detail

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

solace> show client-username default message-vpn blue authorization-group authGroup guaranteed-endpoints-owned

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

solace> show client-username default message-vpn blue authorization-group authGroup stats

Total Client Usernames : 161 of 6002

Configured : 161

Dynamic : 0

**show clock**

COMMAND:

clock [timezones [<pattern>]]

DESCRIPTION:

Show system clock

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

timezones - List all or matching available time zones <pattern> [string] - Patterns may include wildcards \* or ? (e.g. America\*, U??, \*East\*)

solace> show clock

Mar 30 2017 15:24:28 EDT

timezone is Canada/Eastern, UTC offset is -04:00

solace> show clock timezones US\*

US/Alaska

US/Aleutian

US/Arizona

US/Central

US/East-Indiana

US/Eastern

US/Hawaii

US/Indiana-Starke

US/Michigan

US/Mountain

US/Pacific

US/Pacific-New

US/Samoa

**show compression**

COMMAND:

compression

DESCRIPTION:

Show compression information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show compression

Compression Mode: optimize-for-speed

Work queue depth

Current: 0

High Water Mark: 0

Error count

Compression: 0

Decompression: 0

**show config-sync**

COMMAND:

config-sync [database [router | message-vpn <vpn-name>] [detail | remote] [count <num-elements>]]

DESCRIPTION:

Show Config-Sync information. With no parameters configuration and basic operational state are displayed.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

database - Display database table(s) router - Display only the router table message-vpn - Display only the VPN tables matching the given pattern <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? detail - Display details for selected table remote - Display latest remote database info count <num-elements> [1..4294967295] - The maximum number of elements to display.

solace> show config-sync

Admin Status : Shutdown

Oper Status : Down (config-sync shutdown)

Authentication

Client Certificate

Maximum Chain Depth : 8

Validate Certificate Dates : Disabled

Server Certificate Configured : Yes

Client-Profile

TCP

MSS : 751

Initial Window : 6

Maximum Window : 39 KB

Keepalive

Count : 2

Idle : 21 seconds

Interval : 4 seconds

Client

Name :

Connection State : Down

Last Fail Reason :

Synchronize

Username : No

solace> show config-sync database

Legend:

O - Ownership (M=Master, S=Slave)

S - Status (I=In-Sync, R=Reconciling, B=Blocked, O=Out-Of-Sync, D=Down,

U=Unknown)

Type Name O S Time In State

------ -------------------------------- - - ------------------

Router site M D 0d 0h 8m 6s

Vpn authenticationdefnonevpn U D 0d 0h 1m 14s

Vpn authenticationdefreadonlyvpn U D 0d 0h 1m 12s

Vpn authenticationdefreadwritevpn U D 0d 0h 1m 11s

Vpn authenticationldapnonevpn U D 0d 0h 1m 20s

Vpn authenticationldapreadonlyvpn U D 0d 0h 1m 18s

Vpn authenticationldapreadwritevpn U D 0d 0h 1m 16s

Vpn blue U D 0d 0h 0m 49s

Vpn default U D 0d 0h 8m 6s

Vpn genConfig\_messageVpn U D 0d 0h 2m 44s

Vpn genConfig\_messageVpn1 U D 0d 0h 3m 9s

Vpn genConfig\_messageVpn2 U D 0d 0h 3m 2s

Vpn usernamenonevpn U D 0d 0h 1m 48s

Vpn usernamereadonlyvpn U D 0d 0h 1m 46s

Vpn usernamereadwritevpn U D 0d 0h 1m 44s

Vpn vpn\_1 U D 0d 0h 7m 4s

Vpn vpn\_10 U D 0d 0h 6m 31s

Vpn vpn\_11 U D 0d 0h 6m 28s

Vpn vpn\_12 U D 0d 0h 6m 24s

Vpn vpn\_13 U D 0d 0h 6m 21s

Vpn vpn\_14 U D 0d 0h 6m 17s

Vpn vpn\_15 U D 0d 0h 6m 14s

Vpn vpn\_16 U D 0d 0h 6m 11s

Vpn vpn\_17 U D 0d 0h 6m 7s

Vpn vpn\_18 U D 0d 0h 6m 4s

Vpn vpn\_19 U D 0d 0h 6m 1s

Vpn vpn\_2 U D 0d 0h 6m 58s

Vpn vpn\_20 U D 0d 0h 5m 57s

Vpn vpn\_21 U D 0d 0h 5m 54s

Vpn vpn\_22 U D 0d 0h 5m 50s

Vpn vpn\_23 U D 0d 0h 5m 47s

Vpn vpn\_24 U D 0d 0h 5m 44s

Vpn vpn\_25 U D 0d 0h 5m 40s

Vpn vpn\_26 U D 0d 0h 5m 2s

Vpn vpn\_27 U D 0d 0h 4m 59s

Vpn vpn\_28 U D 0d 0h 4m 55s

Vpn vpn\_29 U D 0d 0h 4m 52s

Vpn vpn\_3 U D 0d 0h 6m 55s

Vpn vpn\_30 U D 0d 0h 4m 49s

Vpn vpn\_31 U D 0d 0h 4m 45s

Vpn vpn\_32 U D 0d 0h 4m 42s

Vpn vpn\_33 U D 0d 0h 4m 38s

Vpn vpn\_34 U D 0d 0h 4m 35s

Vpn vpn\_35 U D 0d 0h 4m 32s

Vpn vpn\_36 U D 0d 0h 4m 28s

Vpn vpn\_37 U D 0d 0h 4m 25s

Vpn vpn\_38 U D 0d 0h 4m 20s

Vpn vpn\_39 U D 0d 0h 4m 17s

Vpn vpn\_4 U D 0d 0h 6m 51s

Vpn vpn\_40 U D 0d 0h 4m 13s

Vpn vpn\_41 U D 0d 0h 4m 10s

Vpn vpn\_42 U D 0d 0h 4m 6s

Vpn vpn\_5 U D 0d 0h 6m 48s

Vpn vpn\_6 U D 0d 0h 6m 45s

Vpn vpn\_7 U D 0d 0h 6m 41s

Vpn vpn\_8 U D 0d 0h 6m 38s

Vpn vpn\_9 U D 0d 0h 6m 34s

Vpn vpn\_acl-profile U D 0d 0h 3m 17s

solace> show config-sync database detail

Router : site

Sync State : Down

Key : 2@52f8fd2f-6d77-4c26-8e1a-9c3a6b3bc988

Ownership : Master

Time In State : 0d 0h 8m 6s

Last Result : N/A

Message-VPN : authenticationdefnonevpn

Sync State : Down

Key : 2@37450425-2e56-4d07-9f60-d47fc6089745

Ownership : Unknown

Time In State : 0d 0h 1m 14s

Last Result : N/A

Message-VPN : authenticationdefreadonlyvpn

Sync State : Down

Key : 2@0088f0e9-3a34-4274-a9bb-c02c6df82d86

Ownership : Unknown

Time In State : 0d 0h 1m 12s

Last Result : N/A

Message-VPN : authenticationdefreadwritevpn

Sync State : Down

Key : 2@54beb2b3-f810-44a6-bf7f-2e597fdc51ec

Ownership : Unknown

Time In State : 0d 0h 1m 11s

Last Result : N/A

Message-VPN : authenticationldapnonevpn

Sync State : Down

Key : 2@5c4b5bbe-9346-44a3-a873-42f17b0726eb

Ownership : Unknown

Time In State : 0d 0h 1m 20s

Last Result : N/A

Message-VPN : authenticationldapreadonlyvpn

Sync State : Down

Key : 2@da2299fa-27a9-42dc-a5c0-7e7c1b39430e

Ownership : Unknown

Time In State : 0d 0h 1m 18s

Last Result : N/A

Message-VPN : authenticationldapreadwritevpn

Sync State : Down

Key : 2@64f080fb-e419-4f8b-98a8-29c38992fe7a

Ownership : Unknown

Time In State : 0d 0h 1m 16s

Last Result : N/A

Message-VPN : blue

Sync State : Down

Key : 2@69167d47-950e-496d-b054-64a7f9af64c5

Ownership : Unknown

Time In State : 0d 0h 0m 49s

Last Result : N/A

Message-VPN : default

Sync State : Down

Key : 2@d2682e96-5030-480d-b474-9f384648a824

Ownership : Unknown

Time In State : 0d 0h 8m 6s

Last Result : N/A

Message-VPN : genConfig\_messageVpn

Sync State : Down

Key : 2@13e234ee-7d6c-4228-9034-e135356310a7

Ownership : Unknown

Time In State : 0d 0h 2m 44s

Last Result : N/A

Message-VPN : genConfig\_messageVpn1

Sync State : Down

Key : 2@6c2e7336-3b85-42c5-a6c5-71f4b6fc9290

Ownership : Unknown

Time In State : 0d 0h 3m 9s

Last Result : N/A

Message-VPN : genConfig\_messageVpn2

Sync State : Down

Key : 2@f6691eaf-3198-4c9b-bcbe-87fd3ba22eda

Ownership : Unknown

Time In State : 0d 0h 3m 2s

Last Result : N/A

Message-VPN : usernamenonevpn

Sync State : Down

Key : 2@74f05b0a-7b3e-4298-87d9-f4cafadfaef2

Ownership : Unknown

Time In State : 0d 0h 1m 48s

Last Result : N/A

Message-VPN : usernamereadonlyvpn

Sync State : Down

Key : 2@d48c3f49-3e02-4c06-81eb-a62e1ce82002

Ownership : Unknown

Time In State : 0d 0h 1m 46s

Last Result : N/A

Message-VPN : usernamereadwritevpn

Sync State : Down

Key : 2@e323d1d8-8d9a-4425-8daf-134fc36bf12c

Ownership : Unknown

Time In State : 0d 0h 1m 44s

Last Result : N/A

Message-VPN : vpn\_1

Sync State : Down

Key : 2@1d482c36-7fa9-4aa5-9d6e-c60c97060605

Ownership : Unknown

Time In State : 0d 0h 7m 4s

Last Result : N/A

Message-VPN : vpn\_10

Sync State : Down

Key : 2@5fee614c-3fb6-443c-b99c-4dc4c08f35d7

Ownership : Unknown

Time In State : 0d 0h 6m 31s

Last Result : N/A

Message-VPN : vpn\_11

Sync State : Down

Key : 2@7494523e-f754-47de-a82d-60e55e31dc2a

Ownership : Unknown

Time In State : 0d 0h 6m 28s

Last Result : N/A

Message-VPN : vpn\_12

Sync State : Down

Key : 2@ccb47ef4-9598-4966-befe-bf2e70a8cd87

Ownership : Unknown

Time In State : 0d 0h 6m 24s

Last Result : N/A

Message-VPN : vpn\_13

Sync State : Down

Key : 2@fd06f586-6097-412d-9dd4-291185e4f59a

Ownership : Unknown

Time In State : 0d 0h 6m 21s

Last Result : N/A

Message-VPN : vpn\_14

Sync State : Down

Key : 2@78a35624-8a65-41d1-9555-e989c6dec652

Ownership : Unknown

Time In State : 0d 0h 6m 17s

Last Result : N/A

Message-VPN : vpn\_15

Sync State : Down

Key : 2@7ce35452-7ba9-46eb-b78a-a7fc50f6b0d1

Ownership : Unknown

Time In State : 0d 0h 6m 14s

Last Result : N/A

Message-VPN : vpn\_16

Sync State : Down

Key : 2@4af991d3-3f6e-4576-ad28-545b496c236a

Ownership : Unknown

Time In State : 0d 0h 6m 11s

Last Result : N/A

Message-VPN : vpn\_17

Sync State : Down

Key : 2@4fd7c865-5fb8-4064-ac82-ab3d31c7fb28

Ownership : Unknown

Time In State : 0d 0h 6m 7s

Last Result : N/A

Message-VPN : vpn\_18

Sync State : Down

Key : 2@97d7537a-3937-4406-8d80-17ed0732dfd4

Ownership : Unknown

Time In State : 0d 0h 6m 4s

Last Result : N/A

Message-VPN : vpn\_19

Sync State : Down

Key : 2@d1ee3978-3bf6-47dc-ac06-1cbc577265ba

Ownership : Unknown

Time In State : 0d 0h 6m 1s

Last Result : N/A

Message-VPN : vpn\_2

Sync State : Down

Key : 2@247d2b49-e032-4544-81b9-0172df30d50a

Ownership : Unknown

Time In State : 0d 0h 6m 58s

Last Result : N/A

Message-VPN : vpn\_20

Sync State : Down

Key : 2@48cacb8a-2006-4f3b-8441-a928b4b74fc3

Ownership : Unknown

Time In State : 0d 0h 5m 57s

Last Result : N/A

Message-VPN : vpn\_21

Sync State : Down

Key : 2@4cdf1ce0-ddf4-4689-a460-6e468e0c0fe4

Ownership : Unknown

Time In State : 0d 0h 5m 54s

Last Result : N/A

Message-VPN : vpn\_22

Sync State : Down

Key : 2@965ef683-4790-4a0d-a1c2-36ea70acfc97

Ownership : Unknown

Time In State : 0d 0h 5m 50s

Last Result : N/A

Message-VPN : vpn\_23

Sync State : Down

Key : 2@ec8ffe42-e8db-4297-a8e9-3e1370dd43c9

Ownership : Unknown

Time In State : 0d 0h 5m 47s

Last Result : N/A

Message-VPN : vpn\_24

Sync State : Down

Key : 2@cc8f661a-2feb-4544-af39-e8faf97100f7

Ownership : Unknown

Time In State : 0d 0h 5m 44s

Last Result : N/A

Message-VPN : vpn\_25

Sync State : Down

Key : 2@3d5c5958-4943-4f0f-9c9d-b99763b0ea4e

Ownership : Unknown

Time In State : 0d 0h 5m 40s

Last Result : N/A

Message-VPN : vpn\_26

Sync State : Down

Key : 2@4acb2a2a-bf21-4fc4-a8f1-00bdb2134de2

Ownership : Unknown

Time In State : 0d 0h 5m 2s

Last Result : N/A

Message-VPN : vpn\_27

Sync State : Down

Key : 2@60c76854-c58f-4463-8953-08eb4e7a9543

Ownership : Unknown

Time In State : 0d 0h 4m 59s

Last Result : N/A

Message-VPN : vpn\_28

Sync State : Down

Key : 2@7bc8d654-7f9f-46cd-96b7-71ec7de3d4ba

Ownership : Unknown

Time In State : 0d 0h 4m 55s

Last Result : N/A

Message-VPN : vpn\_29

Sync State : Down

Key : 2@65f52e8d-ad7e-4e50-b71a-135a9ab5eeb9

Ownership : Unknown

Time In State : 0d 0h 4m 52s

Last Result : N/A

Message-VPN : vpn\_3

Sync State : Down

Key : 2@11b0626c-637a-428e-bb90-6b33413881f5

Ownership : Unknown

Time In State : 0d 0h 6m 55s

Last Result : N/A

Message-VPN : vpn\_30

Sync State : Down

Key : 2@fd342a28-2488-4fbb-9341-41e7e7a62a01

Ownership : Unknown

Time In State : 0d 0h 4m 49s

Last Result : N/A

Message-VPN : vpn\_31

Sync State : Down

Key : 2@ae49e6b5-3777-4282-8232-1a8cb433282f

Ownership : Unknown

Time In State : 0d 0h 4m 45s

Last Result : N/A

Message-VPN : vpn\_32

Sync State : Down

Key : 2@e3289836-fbf4-41c1-8248-950a0049ae40

Ownership : Unknown

Time In State : 0d 0h 4m 42s

Last Result : N/A

Message-VPN : vpn\_33

Sync State : Down

Key : 2@98291992-dfb3-44b2-a588-53af2bfbbbef

Ownership : Unknown

Time In State : 0d 0h 4m 38s

Last Result : N/A

Message-VPN : vpn\_34

Sync State : Down

Key : 2@a2498d56-552b-4f3a-a26c-c10a56a08fb3

Ownership : Unknown

Time In State : 0d 0h 4m 35s

Last Result : N/A

Message-VPN : vpn\_35

Sync State : Down

Key : 2@e23d735d-2905-485b-9954-b95599811064

Ownership : Unknown

Time In State : 0d 0h 4m 32s

Last Result : N/A

Message-VPN : vpn\_36

Sync State : Down

Key : 2@734a0d59-fef0-4236-bfd7-0a02a3287dd6

Ownership : Unknown

Time In State : 0d 0h 4m 28s

Last Result : N/A

Message-VPN : vpn\_37

Sync State : Down

Key : 2@6f3f8398-726f-4911-9fe5-09950a4f0205

Ownership : Unknown

Time In State : 0d 0h 4m 25s

Last Result : N/A

Message-VPN : vpn\_38

Sync State : Down

Key : 2@a8218a1f-52fb-44eb-b5b3-ae6c777729e9

Ownership : Unknown

Time In State : 0d 0h 4m 20s

Last Result : N/A

Message-VPN : vpn\_39

Sync State : Down

Key : 2@5a798d2b-76a8-4c49-a544-d948ded4fb8e

Ownership : Unknown

Time In State : 0d 0h 4m 17s

Last Result : N/A

Message-VPN : vpn\_4

Sync State : Down

Key : 2@379f0931-7789-4e77-b7a8-2d5f190da1a1

Ownership : Unknown

Time In State : 0d 0h 6m 51s

Last Result : N/A

Message-VPN : vpn\_40

Sync State : Down

Key : 2@41d0e62e-8255-4380-a098-e1184f2a6f58

Ownership : Unknown

Time In State : 0d 0h 4m 13s

Last Result : N/A

Message-VPN : vpn\_41

Sync State : Down

Key : 2@96a796cc-1adb-4d04-ba68-8170b75a850b

Ownership : Unknown

Time In State : 0d 0h 4m 10s

Last Result : N/A

Message-VPN : vpn\_42

Sync State : Down

Key : 2@9f3139ad-491e-4731-a87d-dfbaff5f8782

Ownership : Unknown

Time In State : 0d 0h 4m 6s

Last Result : N/A

Message-VPN : vpn\_5

Sync State : Down

Key : 2@da876bc3-cce6-4e57-a695-42d5ca508751

Ownership : Unknown

Time In State : 0d 0h 6m 48s

Last Result : N/A

Message-VPN : vpn\_6

Sync State : Down

Key : 2@c379b3e1-44c0-4478-ad23-883970f6c3e7

Ownership : Unknown

Time In State : 0d 0h 6m 45s

Last Result : N/A

Message-VPN : vpn\_7

Sync State : Down

Key : 2@34c66888-e188-4289-aedc-1504bc0b194a

Ownership : Unknown

Time In State : 0d 0h 6m 41s

Last Result : N/A

Message-VPN : vpn\_8

Sync State : Down

Key : 2@236f861f-af46-479d-adb8-123fe078fc32

Ownership : Unknown

Time In State : 0d 0h 6m 38s

Last Result : N/A

Message-VPN : vpn\_9

Sync State : Down

Key : 2@489d40ef-a992-4c3a-8a87-187b8d91ca14

Ownership : Unknown

Time In State : 0d 0h 6m 34s

Last Result : N/A

Message-VPN : vpn\_acl-profile

Sync State : Down

Key : 2@4226ee23-9f71-485d-9fcf-c807c6648eb4

Ownership : Unknown

Time In State : 0d 0h 3m 17s

Last Result : N/A

solace> show config-sync database remote

Legend:

O - Ownership (M=Master, S=Slave)

S - Status (I=In-Sync, R=Reconciling, B=Blocked, O=Out-Of-Sync, D=Down,

U=Unknown)

Router : site

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : authenticationdefnonevpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : authenticationdefreadonlyvpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : authenticationdefreadwritevpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : authenticationldapnonevpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : authenticationldapreadonlyvpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : authenticationldapreadwritevpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : blue

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : default

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : genConfig\_messageVpn

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : genConfig\_messageVpn1

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : genConfig\_messageVpn2

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : usernamenonevpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : usernamereadonlyvpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : usernamereadwritevpn

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_1

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_10

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_11

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_12

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_13

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_14

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_15

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_16

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_17

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_18

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_19

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_2

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_20

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_21

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_22

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_23

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_24

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_25

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_26

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_27

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_28

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_29

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_3

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_30

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_31

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_32

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_33

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_34

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_35

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_36

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_37

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_38

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_39

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_4

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_40

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_41

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_42

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_5

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_6

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_7

Source Router O S Stale Time In State Last Msg Rx

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Message-VPN : vpn\_8

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_9

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

Message-VPN : vpn\_acl-profile

Source Router O S Stale Time In State Last Msg Rx

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solace> show config-sync database message-vpn blue

Legend:

O - Ownership (M=Master, S=Slave)

S - Status (I=In-Sync, R=Reconciling, B=Blocked, O=Out-Of-Sync, D=Down,

U=Unknown)

Type Name O S Time In State

------ -------------------------------- - - ------------------

Vpn blue U D 0d 0h 0m 49s

solace> show config-sync database message-vpn blue detail

Message-VPN : blue

Sync State : Down

Key : 2@69167d47-950e-496d-b054-64a7f9af64c5

Ownership : Unknown

Time In State : 0d 0h 0m 50s

Last Result : N/A

solace> show config-sync database message-vpn blue remote

Legend:

O - Ownership (M=Master, S=Slave)

S - Status (I=In-Sync, R=Reconciling, B=Blocked, O=Out-Of-Sync, D=Down,

U=Unknown)

Message-VPN : blue

Source Router O S Stale Time In State Last Msg Rx

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solace> show config-sync database router

Legend:

O - Ownership (M=Master, S=Slave)

S - Status (I=In-Sync, R=Reconciling, B=Blocked, O=Out-Of-Sync, D=Down,

U=Unknown)

Type Name O S Time In State

------ -------------------------------- - - ------------------

Router site M D 0d 0h 8m 6s

solace> show config-sync database router detail

Router : site

Sync State : Down

Key : 2@52f8fd2f-6d77-4c26-8e1a-9c3a6b3bc988

Ownership : Master

Time In State : 0d 0h 8m 7s

Last Result : N/A

solace> show config-sync database router remote

Legend:

O - Ownership (M=Master, S=Slave)

S - Status (I=In-Sync, R=Reconciling, B=Blocked, O=Out-Of-Sync, D=Down,

U=Unknown)

Router : site

Source Router O S Stale Time In State Last Msg Rx

-------------------------------- - - ------- ----------------- -----------------

**show console**

COMMAND:

console [login-banner]

DESCRIPTION:

Show console configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

login-banner - Displays the current banner text that is displayed on user login

solace> show console

Inactivity timeout :

Baud Rate : 115200

solace> show console login-banner

**show cspf database**

COMMAND:

cspf database

DESCRIPTION:

Show the CSPF database

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show cspf database

Source Reachable For LSP Sequence # Neighbor(s) Cost

------------------ ---------------- -------------------- ------------------ ----

lab-129-91 0d 0h 8m 2s 8 N/A N/A

**show cspf neighbor**

COMMAND:

cspf neighbor <physical-router-name> [stats [queues | detail] | connections [wide] | detail]

DESCRIPTION:

Show the state of CSPF links

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<physical-router-name> [1..52 chars] - Physical router name of the neighbor; may contain wildcards \* and ? stats - Show neighbor statistics queues - Show queue statistics detail - Show detailed information connections - Show neighbor tcp connection info wide - Display cli output suitable for wide terminals (300+ character width) detail - Show neighbor details

solace> show cspf neighbor nbrHost

Neighbor Ports State Cost Cost Uptime

Data/Ctrl cfg act

---------------------------- ----------- -------- ---- ---- ----------------

nbrHost 12345/----- Cncting 9 0 N/A

solace> show cspf neighbor nbrHost connections

Con/Recv-Q Send-Q Received Fast Timed

Bytes Bytes Foreign Address State OutOfOrder Retransmit Retransmit

----------- ------- --------------------- ----- ---------- ---------- ----------

solace> show cspf neighbor nbrHost connections wide

Conn Zip Ssl Proto Receive-Queue Send-Queue Local Address Foreign Address State Maximum Bytes Sent Bytes Rcvd Retransmit RoundTrip RoundTrip RoundTrip Advertised Transmit Bandwidth Congestion Slow Start Received Fast Timed Connection Blk Intf

Bytes Segs Bytes Msgs Seg Size Time (ms) Smth (us) Min (us) Var (us) Windw Size Windw Size Windw Size Windw Size Threshold OutOfOrder Retransmit Retransmit Uptime (s) (%)

---- --- --- ----- --------- ------ --------- ------ --------------------- --------------------- ------------ ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---- -----

solace> show cspf neighbor nbrHost detail

Neighbor: nbrHost

Connect Via: 1.2.3.4:12345

Operational Data Port: 12345

Control Port: 54321

Operational Control Port: N/A

Admin State: Enabled

State: Cncting

Transport Protocol: SMFS

Compressed Data: No

SSL Data: Yes

SSL

Default Cipher Suite List: No

Cipher Suites:

AES256-SHA256

ECDHE-RSA-AES256-SHA

AES256-SHA

DES-CBC3-SHA

Trusted Common Names:

neighCN1

neighCN2

neighCN3

neighCN4

neighCN5

Operational SSL Version:

Operational SSL Cipher:

TCP

MSS: 1111

Initial Window: 199

Max TCP Window: 234 KB

Keepalive

count: 4

idle: 119

interval: 29

Link Cost configured: 9

Link Cost actual: 0

Link up time: N/A

One Shot Events

Egress Msg Discard: not raised.

Last connection failure reason: Connect Response Timer Expired.

Conn State Last Rx Response Uptime

--------- --------------- ------------------------------- ----------------

Ctrl-CSPF Connecting N/A N/A

Ctrl-SMRP Connecting N/A N/A

Data-1 Connecting peer refused connection N/A

Data-2 Connecting peer refused connection N/A

Data-3 Connecting peer refused connection N/A

Data-4 Connecting peer refused connection N/A

solace> show cspf neighbor nbrHost stats

Neighbor : nbrHost

Connect Via : 1.2.3.4:12345

Control Port : 54321

Received Sent

-------------------- --------------------

Total Messages 0 0

Control Messages 0 0

Data Messages 0 0

Total Bytes 0 0

Control Bytes 0 0

Data Bytes 0 0

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Average Rate (60 sec interval) 0 0

Ingress (byte/sec) Egress (byte/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Average Rate (60 sec interval) 0 0

Total Ingress Discards 0

Total Egress Discards 0

solace> show cspf neighbor nbrHost stats detail

Neighbor : nbrHost

Connect Via : 1.2.3.4:12345

Control Port : 54321

Received Sent

-------------------- --------------------

Total Messages 0 0

Control Messages 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Messages 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Total Bytes 0 0

Control Bytes 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Bytes 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Average Rate (60 sec interval) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Ingress (byte/sec) Egress (byte/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Average Rate (60 sec interval) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Compression/Decompression Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Compressed Bytes 0 0

Data Bytes 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Compression Ratios 0.00 0.00

Data Bytes 0.00 0.00

Data-1 0.00 0.00

Data-2 0.00 0.00

Data-3 0.00 0.00

Data-4 0.00 0.00

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SSL Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Data Bytes 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Ingress (byte/sec) Egress (byte/sec)

-------------------- --------------------

Current Rate (1 sec sample)

Data Rate 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

Average Rate (60 sec interval)

Data Rate 0 0

Data-1 0 0

Data-2 0 0

Data-3 0 0

Data-4 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

TTL Exceeded 0

Forwarding Loop Suppression - Unexpected source router 0

Forwarding Loop Suppression - Unexpected previous hop 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Data Transmit Congestion 0

Data Compression Transmit Congestion 0

solace> show cspf neighbor nbrHost stats queues

Neighbor: nbrHost

Connect Via: 1.2.3.4:12345

Control Port: 54321

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Control Queues - Control Card \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

| Length | HWMark |

Queue | (Msgs) | (Msg) |

----------------+---------+-----------

CSPF | 0 | 0 |

SMRP | 0 | 0 |

Listed from lowest to highest priority: (G-Guaranteed, D-Direct, C-Control)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Data Queues - Network Acceleration Blade \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Queue | Length | Length | HWMark | Max | Discards | Delivered

(Prio) | (Msgs) | (Work) | (Work) | (Work) | (Msgs) | (Msgs)

-------+---------+---------+----------+----------+----------+-----------------

Conn-1

G-1 | 0 | 0 | 0 | 0 | 0 | 0

D-1 | 0 | 0 | 0 | 19999 | 0 | 0

D-2 | 0 | 0 | 0 | 19999 | 0 | 0

D-3 | 0 | 0 | 0 | 19999 | 0 | 0

Conn-2

G-1 | 0 | 0 | 0 | 0 | 0 | 0

D-1 | 0 | 0 | 0 | 19999 | 0 | 0

D-2 | 0 | 0 | 0 | 19999 | 0 | 0

D-3 | 0 | 0 | 0 | 19999 | 0 | 0

Conn-3

G-1 | 0 | 0 | 0 | 0 | 0 | 0

D-1 | 0 | 0 | 0 | 19999 | 0 | 0

D-2 | 0 | 0 | 0 | 19999 | 0 | 0

D-3 | 0 | 0 | 0 | 19999 | 0 | 0

Conn-4

G-1 | 0 | 0 | 0 | 0 | 0 | 0

D-1 | 0 | 0 | 0 | 19999 | 0 | 0

D-2 | 0 | 0 | 0 | 19999 | 0 | 0

D-3 | 0 | 0 | 0 | 19999 | 0 | 0

**show cspf queue**

COMMAND:

cspf queue

DESCRIPTION:

Show the CSPF queue settings

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show cspf queue

Maximum depth: 19999 work units

Minimum message burst: 254 messages

**show cspf route**

COMMAND:

cspf route [destination <router-destination>] [source <router-source>]

DESCRIPTION:

Show the CSPF route

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

destination - Filter to only show routes that have router-name as the final destination <router-destination> [1..52 chars] - Router name; may contain wildcards \* and ? source - Filter to only show routes that assume router-name is the ingress node <router-source> [1..52 chars] - Router name; may contain wildcards \* and ?

solace> show cspf route

Total # connected routes: 0

Total # derived routes: 0

Total # routes: 0

Total # conflicting destinations: 0

solace> show cspf route source \*

Total # connected routes: 0

Total # derived routes: 0

Total # routes: 0

Total # conflicting destinations: 0

solace> show cspf route destination \*

Total # connected routes: 0

Total # derived routes: 0

Total # routes: 0

Total # conflicting destinations: 0

solace> show cspf route destination \* source \*

Total # connected routes: 0

Total # derived routes: 0

Total # routes: 0

Total # conflicting destinations: 0

**show cspf ssl**

COMMAND:

cspf ssl

DESCRIPTION:

Show the CSPF ssl

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show cspf ssl

Certificate Validation

Enforce Trusted Common Name: Enabled

Maximum Chain Depth: 2

Validate Certificate Dates: Enabled

Client Certificate:

Filename: afwCert-rsa-1024.pem

Configured at: Mar 30 2017 15:22:56 EDT

Version: 3 (0x2)

Serial Number: 15337463805948969307 (0xd4d99e11f4ffc15b)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems Inc

OU=Quality Assurance

CN=afw

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Oct 10 20:21:03 2012 GMT

Not After : Oct 8 20:21:03 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems Inc

OU=Quality Assurance

CN=afw

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:c1:1f:5e:cf:56:0d:04:3e:45:8c:ba:ed:79:38:

c5:3c:6d:b9:9b:a2:79:a8:f9:ab:23:e0:4b:d3:6d:

a4:84:6e:ef:96:0f:fa:81:71:4e:dc:35:52:95:a2:

d7:50:27:8c:d2:5e:b0:ff:dc:f1:ac:90:72:5f:48:

1f:a0:5e:a5:9b:09:f0:15:f6:fe:50:8d:66:e2:c4:

5f:ca:a8:ae:74:1e:33:0a:48:71:e0:d6:2d:5a:a4:

bb:ed:7c:d6:ca:77:98:6d:48:be:a2:32:97:7a:49:

d0:10:c8:94:ca:f0:c6:4e:66:59:f9:9f:fe:f7:71:

fe:97:22:1b:7c:63:b2:f2:57

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

89:78:BC:6F:E0:1E:71:0D:5E:52:95:22:DF:92:CD:5D:AC:A1:5A:EA

X509v3 Authority Key Identifier:

keyid:89:78:BC:6F:E0:1E:71:0D:5E:52:95:22:DF:92:CD:5D:AC:A1:5A:EA

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace Systems Inc/OU=Quality Assurance/CN=afw/emailAddress=roland.cheng@solacesystems.com

serial:D4:D9:9E:11:F4:FF:C1:5B

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

0f:26:7e:13:d9:99:04:92:f9:ff:13:18:39:01:c8:a6:61:75:

c4:66:72:ef:fa:ae:e3:69:69:d5:5d:96:dc:00:31:38:3c:92:

d5:5c:9f:06:ee:ba:3c:77:90:6e:6b:9d:fa:63:56:ac:79:e7:

03:bf:7e:ce:5a:94:35:39:76:2e:b9:35:10:99:b1:64:38:75:

c3:0e:05:13:56:e6:73:25:c1:cd:eb:d9:8e:c3:92:1c:71:8f:

59:70:da:bb:3b:07:d3:67:57:f8:f1:b0:66:fc:07:c4:37:07:

66:76:8c:04:00:61:ad:38:f7:eb:4b:4c:31:b5:85:cd:60:1b:

91:cb

**show cspf stats**

COMMAND:

cspf stats

DESCRIPTION:

Show the CSPF statistics

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

OUTPUT:

show cspf stats (Error Conditions) Neighbor Dead Timer Expires - Number of inactive CSPF links due to the neighbor dead timer expiration Neighbor Response Timer Expires - Number of non-responses received after CSPF sends a Neighbor Acquisition Request to a neighbor router LSP Response Timer Expires - Number of non-responses received after CSPF sends an LSP to a neighbor router Connect Response Timer Expires - CSPF has not established a connection after ~30 seconds of trying Neighbor Handshake Fails - Number of CSPF links between routers made inactive during the Neighbor Handshake process Neighbor Response Timer Expires - Number of non-responses received after CSPF sends a Neighbor Acquisition Request to a neighbor router Neighbor Fails - Number of inactive connections on previously established CSPF links between routers Unexpected Messages Received - Number of unrecognizable messages received. If you receive this error, please contact your Solace technical support representative for assistance. Unexpected Datapath Requests Received - Number of unrecognized CSPF request message types received Unexpected Datapath Responses Received - Number of unrecognized CSPF response message types received LSDD Timer Expires - Number of non-responses received after LSDD messages are sent to neighbor routers Packet Processing Errors (Request) - A total of all errors encountered while handling a request packet Packet Processing Errors (Response) - A total of all errors encountered while handling a response packet

solace> show cspf stats

Packet Tx Request Rx Response Rx Request Tx Response

-------------------------- ---------- ----------- ---------- -----------

Neighbor Acquisition 0 0 0 0

Link State Packet 0 0 0 0

Database Description 0 0 0 0

Hello 0 0 0 0

CSPF ERRORS

Neighbor Dead Timer Expires 0

Neighbor Response Timer Expires 0

LSP Response Timer Expires 0

Connect Response Timer Expires 3

Neighbor Handshake Fails 0

Neighbor Fails 0

Unexpected Messages Received 0

Unexpected Datapath Requests Received 0

Unexpected Datapath Responses Received 0

LSDD Timer Expires 0

Packet Processing Errors (Request) 0

Packet Processing Errors (Response) 0

Forwarding Loop Suppression - Unexpected source router 0

Forwarding Loop Suppression - Unexpected previous hop 0

Conflicting Router Names Detected 0

**show current-config**

COMMAND:

current-config [all ... | message-vpn ...]

DESCRIPTION:

Enter show current configuration mode. The subcommands are typically used with output redirection via '>' to create a script of CLI commands to create or remove the requested configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

all - Show the CLI commands needed to create the current configuration for the appliance, including configuration for all Message VPNs. message-vpn - Show the CLI commands needed to create (or remove) the current configuration for Message VPNs.

**show current-config all**

COMMAND:

all

DESCRIPTION:

Show the CLI commands needed to create the current configuration for the appliance, including configuration for all Message VPNs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

**show current-config message-vpn**

COMMAND:

message-vpn <vpn-name> [remove]

DESCRIPTION:

Show the CLI commands needed to create (or remove) the current configuration for Message VPNs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? remove - Generate remove commands rather than create

**show debug**

COMMAND:

debug [process-name <process-name>] [process-instance <process-instance>] [timeout <seconds>] <command> [<parameter-list>]

DESCRIPTION:

Show internal debug information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

process-name <process-name> [string] - Name of process to query. process-instance <process-instance> [0..255] - Process instance to query. timeout <seconds> [0..65535] - Time to wait for command to complete. <command> [string] - Debug command to execute. <parameter-list> [[<parameter>[string]]\*] - Parameters to pass to debug command, space separated.

solace> show debug lldp

LLDP information:

IfIdx 4 ("1/6/4") Information:

Chassis ID: sol-lab160sw23

System name: sol-lab160sw23

System description: LB4M

Software version: 1.1.0.8

Platform:

Port ID: 0/35

Port description: 0/35

Management address: 192.168.160.223

Time to live: 180s (162s remaining)

IfIdx 5 ("1/6/3") Information:

Chassis ID: sol-lab160sw23

System name: sol-lab160sw23

System description: LB4M

Software version: 1.1.0.8

Platform:

Port ID: 0/36

Port description: 0/36

Management address: 192.168.160.223

Time to live: 180s (162s remaining)

**show deferred-config**

COMMAND:

deferred-config

DESCRIPTION:

Show the deferred configuration which will be applied on an appliance restart.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show deferred-config

Attribute Current Value Deferred Value

------------- ------------------------ ------------------------

Hostname lab-129-91 lab-129-91

Router Name lab-129-91 \* lab-129-91 \*

\* - Mirroring Hostname

**show disk**

COMMAND:

disk [detail]

DESCRIPTION:

Show local disk usage and the RAID status

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

detail - show detailed information

solace> show disk

Reload required: No

Attribute Disk 1 Disk 2

------------------ ----------------------------- -----------------------------

Device Model INTEL SSDSC2BB120G4 INTEL SSDSC2BB120G4

Capacity (MB) 114473 114473

Admin State enabled enabled

Operational State up up

RAID in fully redundant state: Yes

Attribute Disk 3 Disk 4

------------------ ----------------------------- -----------------------------

Device Model

Capacity (MB)

Admin State shutdown shutdown

Operational State down down

RAID in fully redundant state: No

solace> show disk detail

Filesystem Type 1K-blocks Used Available Use% Mounted on

/dev/root ext3 5.5 Mi 1.3 Mi 3.9 Mi 26% /

devtmpfs devtmpfs 7.3 Mi 0.0 7.3 Mi 0% /dev

tmpfs tmpfs 7.3 Mi 273.7 Ki 7.1 Mi 4% /dev/shm

tmpfs tmpfs 7.3 Mi 9.9 Ki 7.3 Mi 1% /run

tmpfs tmpfs 7.3 Mi 0.0 7.3 Mi 0% /sys/fs/cgroup

/dev/md1 ext3 94.7 Ki 46.1 Ki 43.5 Ki 52% /boot

/dev/md6 ext3 60.1 Mi 37.9 Mi 19.1 Mi 67% /usr/sw

tmpfs tmpfs 1.5 Mi 0.0 1.5 Mi 0% /run/user/0

tmpfs tmpfs 1.5 Mi 0.0 1.5 Mi 0% /run/user/500

Personalities : [linear] [raid0] [raid1] [raid10] [raid6] [raid5] [raid4]

md1 : active raid1 disk 2\_1[1] disk 1\_1[0]

104320 blocks [2/2] [UU]

md2 : active raid1 disk 2\_2[1] disk 1\_2[0]

6008192 blocks [2/2] [UU]

md3 : active raid1 disk 2\_3[1] disk 1\_3[0]

6008192 blocks [2/2] [UU]

md5 : active raid1 disk 2\_5[1] disk 1\_5[0]

2008000 blocks [2/2] [UU]

md6 : active raid1 disk 2\_6[1] disk 1\_6[0]

64018880 blocks [2/2] [UU]

unused devices:

Disk rebuild speed low

**show distributed-cache**

COMMAND:

distributed-cache {<name> [message-vpn <vpn-name>] [detail] | summary}

DESCRIPTION:

Show the contents of the distributed-cache

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..200 chars] - Distributed-cache name, can contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? detail - Show details for each cache summary - Show summary of all caches

solace> show distributed-cache distCache001 message-vpn blue detail

Distributed Cache : distCache001

Message VPN : blue

Cache Management : Enabled

Schedule Delete Message : never

Heartbeat Interval (sec) : 10

Admin Status : Down

Clusters (up) : 0

Clusters (configured) : 1

Instances (up) : 0

Instances (configured) : 1

Lost Message : No

**show dns**

COMMAND:

dns

DESCRIPTION:

Show Domain Name System (DNS) configuration.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show dns

Polled Domain Name: www.solacesystems.com

Name Server Status

----------------------------------------- ---------

192.168.1.213 down

192.168.1.21 down

192.168.164.192 down

**show environment**

COMMAND:

environment

DESCRIPTION:

Show system environment information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show environment

Mainboard

Voltage:

BB +12.0V 11.883 volts OK

BB +3.3V 3.239 volts OK

BB +5.0V 4.937 volts OK

BB +5.0V STBY 5.067 volts OK

Temperature:

CPU1 Therm Margin -50.000 degrees C

Fan speed:

Chassis Fan 1 5488 RPM OK

Chassis Fan 2 5586 RPM OK

Chassis Fan 3 5390 RPM OK

Chassis Fan 4 5292 RPM OK

Power system redundancy status:

Power Redundancy yes

Slot 1/1: empty

Slot 1/2: Host Bus Adapter Blade

Slot 1/3: Assured Delivery Blade

Slot 1/4: Topic Routing Blade

Slot 1/5: In use by slot 1/6

Slot 1/6: Network Acceleration Blade

Temperature:

NPU Core Temp 42.000 degrees C OK

**show hardware**

COMMAND:

hardware [details | post]

DESCRIPTION:

Show system hardware information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

details - Show detailed information about hardware post - Show Power-On Self Test (POST) status

solace> show hardware

Platform: Solace 3530

Power redundancy configuration: 1+1

Operational power supplies: 2

System Type: topic-routing

Supported Blade Configuration: Yes

Fabric 1:

Slot Blade Product Number

-------- ------------------- ---------------

1/1 empty

1/2 HBA HBA-0208FC-01-A

1/3 ADB ADB-000000-02-A

1/4 TRB TRB-000000-02-A

1/5 - in use by slot 1/6

1/6 NAB NAB-0401ET-04-A

solace> show hardware details

Platform: Solace 3530

Chassis Product #: CHS-3230AC-01-A

Chassis revision: 1.1

Chassis serial: S009000713

Board serial: QSCP31401429

Board Part Number: G50768-510

BIOS Version: SE5C600.86B.02.01.0002.082220131453

CPU1 Version: Intel(R) Xeon(R) CPU E5-2640 0 @ 2.50GHz

CPU2 Version:

Power redundancy configuration: 1+1

Operational power supplies: 2

Power module 1: OK

Power module 2: OK

System Type: topic-routing

Supported Blade Configuration: Yes

Disk 1:

Device Model: INTEL SSDSC2BB120G4

Serial #: BTWL3124018W120LGN

Disk 2:

Device Model: INTEL SSDSC2BB120G4

Serial #: BTWL312300P1120LGN

Fabric 1:

Slot 1/1: empty

Slot 1/2: Host Bus Adapter Blade

Product #: HBA-0208FC-01-A

Serial #: VM84477935

Model Name: LPe12002-E

Model Description: EMC LPe12002-E 8Gb 2-port PCIe Fibre Channel Adapter

Driver Version: Emulex LightPulse Fibre Channel SCSI driver 10.4.8000.0.

Fibre-Channel 1

Operational State: Online

Link State: Link Up - Ready Fabric (fabric via point-to-point)

Link Speed: 4 Gbit

Port Id: 0x611d13

Port Name: 0x10000000c981d8f0

Port Type: NPort (fabric via point-to-point)

Node Name: 0x20000000c981d8f0

Error Statistics:

Invalid CRC Count: 0

Invalid Tx Words Count: 11

Link Failure Count: 0

Loss of Signal Count: 0

Loss of Sync Count: 0

Primitive Sequence Protocol Error Count: 0

Fibre-Channel 2

Operational State: Linkdown

Link State: Link Down

Link Speed: unknown

Port Id: 0x000000

Port Name: 0x10000000c981d8f1

Port Type: Unknown

Node Name: 0x20000000c981d8f1

Error Statistics:

Invalid CRC Count: 0

Invalid Tx Words Count: 0

Link Failure Count: 0

Loss of Signal Count: 1

Loss of Sync Count: 0

Primitive Sequence Protocol Error Count: 0

Attached devices

LUN 0

State: Ready

Size: 400G

WWN: 60:01:40:5f:23:1a:11:a6:43:d4:3d:2b:94:6a:da:1c

LUN 1

State: Ready

Size: 20G

WWN: 60:06:01:60:e8:60:1c:00:4e:32:ab:65:55:df:e2:11

LUN 2

State: Ready

Size: 401G

WWN: 60:06:01:60:e8:60:1c:00:f8:25:61:7a:81:36:e3:11

Slot 1/3: Assured Delivery Blade

Product #: ADB-000000-02-A

Serial #: P004042697

Operational State: Up

Flash Card State: Ready

Power Module State: Ok

Mate Link Port 1: No Data

Mate Link Port 2: No Data

Errors: 0

Fatal errors: 0

SFP (Port 1) Details:

Media Type : 3.125G Fibre-Channel

Manufacturer: AVAGO

Part Number : AFBR-57R5AEZ

Serial # : A91133CSJ1

Tx Power : -4.4903 dBm

Rx Power : -4.1499 dBm

SFP (Port 2) Details:

Media Type : 3.125G Fibre-Channel

Manufacturer: AVAGO

Part Number : AFBR-57R5AEZ

Serial # : A91133CSJ2

Tx Power : -3.8774 dBm

Rx Power : -4.7224 dBm

FPGA Details:

Bank 1 Bank 2

Build1 ID: 09010339 09010796

FLASH Card Details:

State: Ready

Size(MB): 7168

Manufacturer: STEC M4 CF Rev:E6884-2

Serial #: STM00010D34D

Power Module Details:

State: Ok

Charge Level : 100%

Estimated Time Until Fully Charged: 0 minutes

Mate Link Details:

CRC Errors Port 1: 0

CRC Errors Port 2: 0

Slot 1/4: Topic Routing Blade

Product #: TRB-000000-02-A

Serial #: P004044040

ACL Topic Matching Mode: legacy (ignore #P2P and #P2P/>)

Slot 1/5: in use by slot 1/6

Slot 1/6: Network Acceleration Blade

Product #: NAB-0401ET-04-A

Serial #: P004043101

Firmware version: 8.1.0.8

MAC Addr (1/6/1): 00:50:c2:e9:a2:38

MAC Addr (1/6/2): 00:50:c2:e9:a2:39

MAC Addr (1/6/3): 00:50:c2:e9:a2:3a

MAC Addr (1/6/4): 00:50:c2:e9:a2:3b

solace> show hardware post

Overall Power-On Self Test (POST) Status: PASSED

Platform: Solace 3530

Product #: CHS-3230AC-01-A

Serial #: S009000713

POST Status: PASSED

Fabric 1:

Slot 1/1: Empty

Slot 1/2: Host Bus Adapter Blade

Product #: HBA-0208FC-01-A

Serial #: VM84477935

POST Status: PASSED

Slot 1/3: Assured Delivery Blade

Product #: ADB-000000-02-A

Serial #: P004042697

POST Status: PASSED

Slot 1/4: Topic Routing Blade

Product #: TRB-000000-02-A

Serial #: P004044040

POST Status: PASSED

Slot 1/5: Blocked

Slot 1/6: Network Acceleration Blade

Product #: NAB-0401ET-04-A

Serial #: P004043101

POST Status: PASSED

**show hostname**

COMMAND:

hostname

DESCRIPTION:

Show hostname

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show hostname

Hostname: lab-129-91

Deferred hostname: lab-129-91

**show interface**

COMMAND:

interface [<phy-interface>] [detail]

DESCRIPTION:

Show the parameters configured for the interface

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<phy-interface> [string] - (eth<port> | chassis/lag1 | <cartridge>/<slot>/<port> | <cartridge>/<slot>/lag<N>) Examples: "eth1", "chassis/lag1", "1/5/2", "1/6/lag1" detail - Show detailed information

solace> show interface

Interface: chassis/lag1

MAC address: 00:1e:67:7b:35:16

Mode: Active-Backup

Enabled: yes

Rx pkts: 53116 Rx bytes: 6102542

Tx pkts: 299465 Tx bytes: 57069539

Configured members: eth1 eth2

Available members: eth1

Operational members: eth1

Primary member: eth2

Interface: 1/6/lag1

MAC address: 00:50:c2:e9:a2:38

Mode: LACP

Enabled: yes

Rx pkts: 36870 Rx bytes: 2674691

Tx pkts: 11085 Tx bytes: 815366

Configured members: 1/6/1 1/6/2 1/6/3 1/6/4

Available members: 1/6/3 1/6/4

Operational members: 1/6/3 1/6/4

Primary member: N/A

Interface: eth1

MAC address: 00:1e:67:7b:35:16

Enabled: yes

Rx pkts: 53116 Rx bytes: 6102542

Tx pkts: 299469 Tx bytes: 57070091

Link detected: yes

Media type: N/A

Interface: eth2

MAC address: 00:1e:67:7b:35:16

Enabled: no

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: n/a

Media type: N/A

Interface: 1/6/1

MAC address: 00:50:c2:e9:a2:38

Enabled: yes

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: no

Media type: Copper

Speed: auto negotiation not completed

Duplex: auto negotiation not completed

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

Interface: 1/6/2

MAC address: 00:50:c2:e9:a2:39

Enabled: yes

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: no

Media type: Copper

Speed: auto negotiation not completed

Duplex: auto negotiation not completed

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

Interface: 1/6/3

MAC address: 00:50:c2:e9:a2:3a

Enabled: yes

Rx pkts: 24024 Rx bytes: 1718163

Tx pkts: 31 Tx bytes: 3224

Link detected: yes

Media type: Copper

Speed: 1000 Mbps

Duplex: full

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

Interface: 1/6/4

MAC address: 00:50:c2:e9:a2:3b

Enabled: yes

Rx pkts: 12930 Rx bytes: 964170

Tx pkts: 11073 Tx bytes: 813712

Link detected: yes

Media type: Copper

Speed: 1000 Mbps

Duplex: full

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

solace> show interface detail

Interface: chassis/lag1

MAC address: 00:1e:67:7b:35:16

Mode: Active-Backup

Enabled: yes

Rx pkts: 53123 Rx bytes: 6103140

Tx pkts: 299507 Tx bytes: 57087438

Configured members: eth1 eth2

Available members: eth1

Operational members: eth1

Primary member: eth2

Interface: 1/6/lag1

MAC address: 00:50:c2:e9:a2:38

Mode: LACP

Enabled: yes

Rx pkts: 36870 Rx bytes: 2674691

Tx pkts: 11085 Tx bytes: 815366

Configured members: 1/6/1 1/6/2 1/6/3 1/6/4

Available members: 1/6/3 1/6/4

Operational members: 1/6/3 1/6/4

Primary member: N/A

Interface: eth1

MAC address: 00:1e:67:7b:35:16

Enabled: yes

Rx pkts: 53133 Rx bytes: 6103800

Tx pkts: 299608 Tx bytes: 57109344

Link detected: yes

Media type: N/A

Interface: eth2

MAC address: 00:1e:67:7b:35:16

Enabled: no

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: n/a

Media type: N/A

Interface: 1/6/1

MAC address: 00:50:c2:e9:a2:38

Enabled: yes

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: no

Media type: Copper

Speed: auto negotiation not completed

Duplex: auto negotiation not completed

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

Interface: 1/6/2

MAC address: 00:50:c2:e9:a2:39

Enabled: yes

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: no

Media type: Copper

Speed: auto negotiation not completed

Duplex: auto negotiation not completed

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

Interface: 1/6/3

MAC address: 00:50:c2:e9:a2:3a

Enabled: yes

Rx pkts: 24027 Rx bytes: 1718361

Tx pkts: 31 Tx bytes: 3224

Link detected: yes

Media type: Copper

Speed: 1000 Mbps

Duplex: full

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

Interface: 1/6/4

MAC address: 00:50:c2:e9:a2:3b

Enabled: yes

Rx pkts: 12930 Rx bytes: 964170

Tx pkts: 11075 Tx bytes: 813854

Link detected: yes

Media type: Copper

Speed: 1000 Mbps

Duplex: full

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

solace> show interface 1/6/1

Interface: 1/6/1

MAC address: 00:50:c2:e9:a2:38

Enabled: yes

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: no

Media type: Copper

Speed: auto negotiation not completed

Duplex: auto negotiation not completed

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

solace> show interface 1/6/1 detail

Interface: 1/6/1

MAC address: 00:50:c2:e9:a2:38

Enabled: yes

Rx pkts: 0 Rx bytes: 0

Tx pkts: 0 Tx bytes: 0

Link detected: no

Media type: Copper

Speed: auto negotiation not completed

Duplex: auto negotiation not completed

Egress traffic shaping

Admin Status: disabled

Oper Status: down(shutdown)

Admin Rate Limit: 1000000000 Mbps

Oper Rate Limit: 1000 Mbps

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Rx MAC Stats:

Rx Good Frames 0

Rx BCast Frames 0

Rx MCast Frames 0

Rx 64B Frames 0

Rx 65B To 127B Frames 0

Rx 128B To 255B Frames 0

Rx 256B To 511B Frames 0

Rx 512B To 1023B Frames 0

Rx 1024B To 1518B Frames 0

Rx Jumbo Frames 0

Rx Oversize Frames 0

Rx Undersize Frames 0

Rx Runt Errors 0

Rx Jabbers 0

Rx MAC Ctrl Frames 0

Rx Bad Frames 0

Rx MAC Drop Ctrl Stats:

Rx Fifo Dropped Frames 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Tx MAC Stats:

Tx Good Frames 0

Tx BCast Frames 0

Tx MCast Frames 0

Tx 64B Frames 0

Tx 65B To 127B Frames 0

Tx 128B To 255B Frames 0

Tx 256B To 511B Frames 0

Tx 512B To 1023B Frames 0

Tx 1024B To 1518B Frames 0

Tx Over 1518B Frames 0

Tx Dropped Frames 0

**show ip route**

COMMAND:

ip route

DESCRIPTION:

Show Global IP routing information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show ip route

VRF: management

Destination Gateway Network Mask Interface

---------------------------------------------------------

default 192.168.128.1 0.0.0.0 chassis/lag1:1

VRF: msg-backbone

Global Route:

Destination Gateway Network Mask Interface

---------------------------------------------------------

default 192.168.160.1 0.0.0.0 1/6/lag1:1

Per Interface Default Route:

Phy-Interface Gateway Interface

-----------------------------------------

**show ip vrf**

COMMAND:

ip vrf [<name> [route | interface <interface-pattern> [detail]]]

DESCRIPTION:

Show Virtual Forwarding Instance information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [string] - VRF name route - show VRF IP routing information interface <interface-pattern> [string] - show VRF IP interface information detail - Show detailed information

solace> show ip vrf

VRF Interfaces Routes

--------------------------------------

management 1 1

msg-backbone 2 1

solace> show ip vrf msg-backbone

VRF: msg-backbone

Number of interfaces: 2

Status Flags: R=Redundancy, A=Admin, P=Physical

Status Values: U=Up, D=Down

Status

Interface V Router IP Address R A P #Conn #Frag

-------------- -------- ------------------ -------- ----- -----

1/6/lag1:1 primary 192.168.164.191/19 U U U 55 0

1/6/lag1:3 static 192.168.164.91/19 U U U 0 0

Number of global routes: 1

Destination Gateway Network Mask Interface

---------------- ---------------- ---------------- ----------

default 192.168.160.1 0.0.0.0 1/6/lag1:1

Number of per interface default routes: 0

Phy-Interface Gateway Interface

---------------- ---------------- ----------

solace> show ip vrf msg-backbone interface \*

VRF: msg-backbone

Status Flags: R=Redundancy, A=Admin, P=Physical

Status Values: U=Up, D=Down

Status

Interface V Router IP Address R A P #Conn #Frag

-------------- -------- ------------------ -------- ----- -----

1/6/lag1:1 primary 192.168.164.191/19 U U U 55 0

1/6/lag1:3 static 192.168.164.91/19 U U U 0 0

solace> show ip vrf msg-backbone interface \* detail

VRF: msg-backbone

Interface: 1/6/lag1:1

Virtual Router: primary

IP Address: 192.168.164.191/19

Kerberos:

Service Principal Name:

Status:

Redundancy: enabled

Admin: enabled

Physical: enabled

Connections: 55

Stats:

Fragments: 0

Interface: 1/6/lag1:3

Virtual Router: static

IP Address: 192.168.164.91/19

Kerberos:

Service Principal Name:

Status:

Redundancy: enabled

Admin: enabled

Physical: enabled

Connections: 0

Stats:

Fragments: 0

solace> show ip vrf msg-backbone route

VRF: msg-backbone

Global Route:

Destination Gateway Network Mask Interface

---------------------------------------------------------

default 192.168.160.1 0.0.0.0 1/6/lag1:1

Per Interface Default Route:

Phy-Interface Gateway Interface

-----------------------------------------

**show jndi connection-factory**

COMMAND:

jndi connection-factory <name> [message-vpn <vpn-name>] [with <property-name> <property-value>] [detail]

DESCRIPTION:

Show JNDI connection-factory objects

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..256 chars] - Object name; may contain wildcards. message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? with <property-name> [1..64 chars] - Show the objects containing this property. <property-value> [1..256 chars] - Show the objects containing this property. detail - Show detailed information

solace> show jndi connection-factory connfac message-vpn blue detail

Connection Factory : connfac

Message VPN : blue

messaging-properties : 6

default-delivery-mode : persistent

text-msg-xml-payload : true

default-dmq-eligible : false

default-eliding-eligible : false

xa : false

jmsx-user-id-enabled : false

transport-properties : 17

connect-timeout : 30000

read-timeout : 10000

reconnect-retries : 3

reconnect-retry-wait : 3000

keep-alive-enabled : true

keep-alive-interval : 3000

keep-alive-count-max : 3

send-buffer : 65536

receive-buffer : 65536

tcp-no-delay : true

direct-transport : true

compression-level : -1

port : -1

optimize-direct : false

msg-callback-on-io-thread : false

connect-retries-per-host : 0

connect-retries : 0

ad-properties : 6

send-ad-window-size : 255

send-ack-timer : 2000

send-max-resends : 30

receive-ad-window-size : 18

receive-ack-timer : 1000

receive-ack-threshold : 60

deliver-to-one-properties : 4

subscriber-local-priority : 1

subscriber-network-priority : 1

deliver-to-one : false

deliver-to-one-override : true

dynamic-endpoint-properties : 2

dynamic-durables : false

respect-ttl : true

client-properties : 2

client-id :

client-description :

**show jndi object**

COMMAND:

jndi object <name> [message-vpn <vpn-name>]

DESCRIPTION:

Show JNDI objects

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..256 chars] - Object name; may contain wildcards. message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ?

solace> show jndi object connfac

Connection Factory : connfac

Message VPN : blue

messaging-properties : 6

default-delivery-mode : persistent

text-msg-xml-payload : true

default-dmq-eligible : false

default-eliding-eligible : false

xa : false

jmsx-user-id-enabled : false

transport-properties : 17

connect-timeout : 30000

read-timeout : 10000

reconnect-retries : 3

reconnect-retry-wait : 3000

keep-alive-enabled : true

keep-alive-interval : 3000

keep-alive-count-max : 3

send-buffer : 65536

receive-buffer : 65536

tcp-no-delay : true

direct-transport : true

compression-level : -1

port : -1

optimize-direct : false

msg-callback-on-io-thread : false

connect-retries-per-host : 0

connect-retries : 0

ad-properties : 6

send-ad-window-size : 255

send-ack-timer : 2000

send-max-resends : 30

receive-ad-window-size : 18

receive-ack-timer : 1000

receive-ack-threshold : 60

deliver-to-one-properties : 4

subscriber-local-priority : 1

subscriber-network-priority : 1

deliver-to-one : false

deliver-to-one-override : true

dynamic-endpoint-properties : 2

dynamic-durables : false

respect-ttl : true

client-properties : 2

client-id :

client-description :

solace> show jndi object connfac message-vpn blue

Connection Factory : connfac

Message VPN : blue

messaging-properties : 6

default-delivery-mode : persistent

text-msg-xml-payload : true

default-dmq-eligible : false

default-eliding-eligible : false

xa : false

jmsx-user-id-enabled : false

transport-properties : 17

connect-timeout : 30000

read-timeout : 10000

reconnect-retries : 3

reconnect-retry-wait : 3000

keep-alive-enabled : true

keep-alive-interval : 3000

keep-alive-count-max : 3

send-buffer : 65536

receive-buffer : 65536

tcp-no-delay : true

direct-transport : true

compression-level : -1

port : -1

optimize-direct : false

msg-callback-on-io-thread : false

connect-retries-per-host : 0

connect-retries : 0

ad-properties : 6

send-ad-window-size : 255

send-ack-timer : 2000

send-max-resends : 30

receive-ad-window-size : 18

receive-ack-timer : 1000

receive-ack-threshold : 60

deliver-to-one-properties : 4

subscriber-local-priority : 1

subscriber-network-priority : 1

deliver-to-one : false

deliver-to-one-override : true

dynamic-endpoint-properties : 2

dynamic-durables : false

respect-ttl : true

client-properties : 2

client-id :

client-description :

**show jndi queue**

COMMAND:

jndi queue <name> [message-vpn <vpn-name>] [with <property-name> <property-value>] [detail]

DESCRIPTION:

Show JNDI queue objects

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..256 chars] - Object name; may contain wildcards. message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? with <property-name> [1..64 chars] - Show the objects containing this property. <property-value> [1..256 chars] - Show the objects containing this property. detail - Show detailed information

solace> show jndi queue jqueue message-vpn blue detail

Queue : jqueue

Message VPN : blue

physical-name :

**show jndi schema**

COMMAND:

jndi schema [connection-factory | topic | queue]

DESCRIPTION:

Show JNDI object schema

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

connection-factory - Show connection-factory schema only. topic - Show topic schema only. queue - Show queue schema only.

solace> show jndi schema connection-factory

JNDI Object Schema : connection-factory

Properties : 0

Property-lists : 6

Property-list : messaging-properties

Properties : 6

Property : default-delivery-mode

Type : enum

Values : persistent | non-persistent

Default : persistent

Description :

The default delivery mode used by a JMS producer.

Property : text-msg-xml-payload

Type : enum

Values : true | false

Default : true

Description :

Whether to encode JMS text messages as XML payload or Binary

Attachment.

Property : default-dmq-eligible

Type : enum

Values : true | false

Default : false

Description :

Whether JMS messages are Dead Message Queue eligible.

Property : default-eliding-eligible

Type : enum

Values : true | false

Default : false

Description :

Whether JMS messages are Eliding eligible.

Property : xa

Type : enum

Values : true | false

Default : false

Description :

Whether this represents an XA connection factory.

Property : jmsx-user-id-enabled

Type : enum

Values : true | false

Default : false

Description :

Whether messages published on the JMS should include the

JMSXUserID message property.

Property-list : transport-properties

Properties : 17

Property : connect-timeout

Type : integer

Values : 0 to 2147483647

Default : 30000

Description :

Timeout when creating initial connections to the appliance (in

milliseconds).

Property : read-timeout

Type : integer

Values : 0 to 2147483647

Default : 10000

Description :

Timeout when reading reply from the appliance (in milliseconds).

Property : reconnect-retries

Type : integer

Values : -1 to 2147483647

Default : 3

Description :

How many times to reconnect to the appliance during connection

setup, or when the connection is lost.

Property : reconnect-retry-wait

Type : integer

Values : 0 to 60000

Default : 3000

Description :

How long to wait for reconnect (in milliseconds).

Property : keep-alive-enabled

Type : enum

Values : true | false

Default : true

Description :

Whether to enable keep alive messages to the appliance

Property : keep-alive-interval

Type : integer

Values : 50 to 2147483647

Default : 3000

Description :

How often to send out keepalive messages (in milliseconds).

Property : keep-alive-count-max

Type : integer

Values : 3 to 2147483647

Default : 3

Description :

The number of consecutive keepalive messages for which no response

is received before the connection is closed.

Property : send-buffer

Type : integer

Values : 0 to 2147483647

Default : 65536

Description :

Sets the SO\_SENDBUF socket option: the size of the send socket

buffer (in bytes).

Property : receive-buffer

Type : integer

Values : 0 to 2147483647

Default : 65536

Description :

Sets the SO\_RECVBUF socket option: the size of the receive socket

buffer (in bytes).

Property : tcp-no-delay

Type : enum

Values : true | false

Default : true

Description :

Whether to set the TCP\_NODELAY option, disabling Nagle's algorithm.

Property : direct-transport

Type : enum

Values : true | false

Default : true

Description :

Whether to use direct transport to send non-persistent messages.

Property : compression-level

Type : integer

Values : -1 to 9

Default : -1

Description :

Sets the ZLIB compression level to use. 0 means disable

compression. -1 means use the compression level specified in the

JNDI lookup.

Property : port

Type : integer

Values : -1 to 65535

Default : -1

Description :

The appliance SMF port number. -1 means use the port specified in

the JNDI lookup.

Property : optimize-direct

Type : enum

Values : true | false

Default : false

Description :

Whether to optimize for direct transport.

Property : msg-callback-on-io-thread

Type : enum

Values : true | false

Default : false

Description :

Whether messages delivered asynchronously are delivered directly

from the I/O thread.

Property : connect-retries-per-host

Type : integer

Values : -1 to 2147483647

Default : 0

Description :

How many times to attempt to connect/reconnect to a host before

moving on to the next host list entry

Property : connect-retries

Type : integer

Values : -1 to 2147483647

Default : 0

Description :

The number of times to retry a connection to the host appliance

(or list of appliances) during connection setup.

Property-list : ad-properties

Properties : 6

Property : send-ad-window-size

Type : integer

Values : 1 to 255

Default : 255

Description :

The size of the sliding non-persistent publisher ACK window.

Property : send-ack-timer

Type : integer

Values : 20 to 60000

Default : 2000

Description :

Duration of the publisher ACK timer (in milliseconds).

Property : receive-ad-window-size

Type : integer

Values : 1 to 255

Default : 18

Description :

The size of the sliding subscriber ACK window.

Property : receive-ack-timer

Type : integer

Values : 20 to 1500

Default : 1000

Description :

Duration of the subscriber ACK timer (in milliseconds).

Property : receive-ack-threshold

Type : integer

Values : 1 to 75

Default : 60

Description :

Threshold for sending ACK, as a percentage of

receive-ad-window-size.

Property-list : deliver-to-one-properties

Properties : 4

Property : subscriber-local-priority

Type : integer

Values : 1 to 4

Default : 1

Description :

Priority for receiving messages published locally.

Property : subscriber-network-priority

Type : integer

Values : 1 to 4

Default : 1

Description :

Priority for recieving messages published on a remote appliance.

Property : deliver-to-one

Type : enum

Values : true | false

Default : false

Description :

Whether to set the deliver to one property on published messages.

Property : deliver-to-one-override

Type : enum

Values : true | false

Default : true

Description :

Whether subscriptions should override a message's deliver to one

property.

Property-list : dynamic-endpoint-properties

Properties : 2

Property : dynamic-durables

Type : enum

Values : true | false

Default : false

Description :

Whether durable endpoints will be created if they don't exist.

Property : respect-ttl

Type : enum

Values : true | false

Default : true

Description :

Whether dynamically created durable and non-durable endpoints

respect the time to live value for a message.

Property-list : client-properties

Properties : 2

Property : client-id

Type : topic

Values :

Default :

Description :

The clientID for the connection.

Property : client-description

Type : string

Values : 0 <= length <= 255

Default :

Description :

The description for the connection.

solace> show jndi schema queue

JNDI Object Schema : queue

Properties : 1

Property : physical-name

Type : queue

Values : Queue name, in hierarchical notation, e.g. 'a/b/c'

Default :

Description :

The physical name of the queue.

Property-lists : 0

solace> show jndi schema topic

JNDI Object Schema : topic

Properties : 1

Property : physical-name

Type : topic

Values :

Default :

Description :

The physical name of the topic.

Property-lists : 0

**show jndi summary**

COMMAND:

jndi summary [message-vpn <vpn-name>]

DESCRIPTION:

Show JNDI configuration summary

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ?

solace> show jndi summary

Message Client Total

VPN Access Conn Fact Topics Queues

-------------------------------- -------- --------- --------- ---------

authenticationdefnonevpn Enabled 2 0 0

authenticationdefreadonlyvpn Enabled 2 0 0

authenticationdefreadwritevpn Enabled 2 0 0

authenticationldapnonevpn Enabled 2 0 0

authenticationldapreadonlyvpn Enabled 2 0 0

authenticationldapreadwritevpn Enabled 2 0 0

blue Disabled 1 1 1

default Enabled 2 0 0

genConfig\_messageVpn Enabled 2 0 0

genConfig\_messageVpn1 Enabled 3 0 0

genConfig\_messageVpn2 Enabled 2 0 0

usernamenonevpn Enabled 2 0 0

usernamereadonlyvpn Enabled 2 0 0

usernamereadwritevpn Enabled 2 0 0

vpn\_1 Enabled 2 0 0

vpn\_10 Enabled 2 0 0

vpn\_11 Enabled 2 0 0

vpn\_12 Enabled 2 0 0

vpn\_13 Enabled 2 0 0

vpn\_14 Enabled 2 0 0

vpn\_15 Enabled 2 0 0

vpn\_16 Enabled 2 0 0

vpn\_17 Enabled 2 0 0

vpn\_18 Enabled 2 0 0

vpn\_19 Enabled 2 0 0

vpn\_2 Enabled 2 0 0

vpn\_20 Enabled 2 0 0

vpn\_21 Enabled 2 0 0

vpn\_22 Enabled 2 0 0

vpn\_23 Enabled 2 0 0

vpn\_24 Enabled 2 0 0

vpn\_25 Enabled 2 0 0

vpn\_26 Enabled 2 0 0

vpn\_27 Enabled 2 0 0

vpn\_28 Enabled 2 0 0

vpn\_29 Enabled 2 0 0

vpn\_3 Enabled 2 0 0

vpn\_30 Enabled 2 0 0

vpn\_31 Enabled 2 0 0

vpn\_32 Enabled 2 0 0

vpn\_33 Enabled 2 0 0

vpn\_34 Enabled 2 0 0

vpn\_35 Enabled 2 0 0

vpn\_36 Enabled 2 0 0

vpn\_37 Enabled 2 0 0

vpn\_38 Enabled 2 0 0

vpn\_39 Enabled 2 0 0

vpn\_4 Enabled 2 0 0

vpn\_40 Enabled 2 0 0

vpn\_41 Enabled 2 0 0

vpn\_42 Enabled 2 0 0

vpn\_5 Enabled 2 0 0

vpn\_6 Enabled 2 0 0

vpn\_7 Enabled 2 0 0

vpn\_8 Enabled 2 0 0

vpn\_9 Enabled 2 0 0

vpn\_acl-profile Enabled 2 0 0

solace> show jndi summary message-vpn blue

Message VPN : blue

Client Access : Disabled

Connection Factories : 1

Topics : 1

Queues : 1

**show jndi topic**

COMMAND:

jndi topic <name> [message-vpn <vpn-name>] [with <property-name> <property-value>] [detail]

DESCRIPTION:

Show JNDI topic objects

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..256 chars] - Object name; may contain wildcards. message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? with <property-name> [1..64 chars] - Show the objects containing this property. <property-value> [1..256 chars] - Show the objects containing this property. detail - Show detailed information

solace> show jndi topic jtopic message-vpn blue detail

Topic : jtopic

Message VPN : blue

physical-name :

**show kerberos**

COMMAND:

kerberos [{keytab | keytab-file <file-name>} [detail]]

DESCRIPTION:

Show Kerberos authentication information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

keytab - Display internal keytab store. keytab-file - Display keytab file in keytabs directory. <file-name> [0..117 chars] - Kerberos keytab file within the keytabs directory. Wildcards are allowed to specify multiple files. detail - Display detail information about each keytab entry.

solace> show kerberos

Keytab Entries: 0

IP Interface IP Address Service Principal Name

--------------- ------------------- ----------------------

1/6/lag1:1 192.168.164.191/19

1/6/lag1:3 192.168.164.91/19

solace> show kerberos keytab-file aes128-a17p.keytab

Keytab name: aes128-a17p.keytab

Index KVNO Principal

----- ---- -------------------------------------------------------------------

1 4 aes128/a17p@LAB.SOLACE.COM

solace> show kerberos keytab-file aes128-a17p.keytab detail

Keytab name: aes128-a17p.keytab

Index: 1

KVNO: 4

Principal: aes128/a17p@LAB.SOLACE.COM

Timestamp: Apr 14 2014 13:45:50

Encryption: AES-128 CTS mode with 96-bit SHA-1 HMAC

**show ldap-profile**

COMMAND:

ldap-profile <profile-name> [detail | [index <server-index>] stats | users]

DESCRIPTION:

Show ldap profile settings

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<profile-name> [1..32 chars] - Ldap profile name. May contain wildcards \* and ?. detail - Display detailed information. index <server-index> [1..3] - Show statistics for the ldap-server at the specified index. stats - Show ldap-profile statistics users - Show ldap-profile users

OUTPUT:

show ldap-profile (Last Error States and Statistics) None - No error has been found so far. OK - A successful connection has been made. Encoding Error - This indicates that the LDAP client ran into errors when trying to encode the request. Out of Memory - This indicates that the LDAP client was unable to allocate memory for the outgoing request or incoming response. Server Down - This indicates that the LDAP client was unable to send a request because the LDAP server is down. Decoding Error - This indicates that the LDAP client was unable to decode a server response. No Such Object - This indicates that the LDAP client was unable to bind as a given entity because that entity doesn't exist. Timeout - This indicates that the LDAP client's request has timed out. Filter Error - This indicates that the LDAP client encountered errors when trying to encode or parse the filter string. Multiple Entries - This indicates that a search returned more than one entry. Invalid Syntax - This indicates that the LDAP server found a syntax errors in the request. Referral - This indicates that the LDAP client has returned at least one referral in search response. Referral Limit Exceeded - This indicates that the LDAP client's referral has exceeded the referral limit of 10 levels. Invalid Credentials - This indicates that the LDAP server replies with Invalid when we attempt to a bind operation. Start TLS Failed - This indicates that the LDAP client fails to enable TLS when connecting with the LDAP server. Local Error - This indicates that a LDAP\_LOCAL\_ERROR has occurred in the LDAP routine. Operations Error - This indicates that initialization of the LDAP library failed, or an internal operations error has occurred. Auth Method Not Supported - This indicates that the authentication method is not supported. Protocol Error - This indicates that a protocol error has occurred. Parameter Error - This indicates that an incorrect parameter has been passed to a routine. Peer Disconnect - This indicates that the LDAP connection has timed out and the LDAP server issues a disconnect. Not Supported - This indicates that the feature is not supported. Other - This statistic encapsulates any additional errors not covered above. (timestamp) - If an error has been detected, a timestamp of the error is also given in the last error field.

solace> show ldap-profile default detail

LDAP Profile Name: default

Admin Status: Disabled

TLS: No

Unauthenticated Auth: Disallowed

Admin DN:

Search

Base DN:

Filter: (cn=$CLIENT\_USERNAME)

Scope: subtree

Deref: always

Timeout: 5

Follow Cont Ref: Yes

Group Membership Secondary Search

Admin Status: Disabled

Base DN:

Filter Attribute

From Primary Search: dn

Filter: (member=$ATTRIBUTE\_VALUE\_FROM\_PRIMARY\_SEARCH)

Scope: subtree

Deref: always

Timeout: 5

Follow Cont Ref: Yes

Referral

Last Host:

Last Error: None

Users

solace> show ldap-profile default stats

LDAP Profile Name: default

Referral

Last Host:

Last Error: None

Search | Admin | Bind | Referral

-----------------------------+---------------+---------------+---------------

Ok | 0 | 0 | 0

Encoding Error | 0 | 0 | 0

Out of Memory | 0 | 0 | 0

Server Down | 0 | 0 | 0

Decoding Error | 0 | 0 | 0

No Such Object | 0 | 0 | 0

Timeout | 0 | 0 | 0

Filter Error | 0 | 0 | 0

Multiple Entries | 0 | 0 | 0

Invalid Syntax | 0 | 0 | 0

Referral | 0 | 0 | 0

Referral Limit Exceeded | 0 | 0 | 0

Invalid Credentials | 0 | 0 | 0

Start TLS Failed | 0 | 0 | 0

Local Error | 0 | 0 | 0

Operations Error | 0 | 0 | 0

Auth Method Not Supported | 0 | 0 | 0

Protocol Error | 0 | 0 | 0

Parameter Error | 0 | 0 | 0

Peer Disconnect | 0 | 0 | 0

Not Supported | 0 | 0 | 0

Other | 0 | 0 | 0

Group Membership Sec. Search | Admin | Referral

-----------------------------+---------------+---------------

Ok | 0 | 0

Encoding Error | 0 | 0

Out of Memory | 0 | 0

Server Down | 0 | 0

Decoding Error | 0 | 0

No Such Object | 0 | 0

Timeout | 0 | 0

Filter Error | 0 | 0

Multiple Entries | 0 | 0

Invalid Syntax | 0 | 0

Referral | 0 | 0

Referral Limit Exceeded | 0 | 0

Invalid Credentials | 0 | 0

Start TLS Failed | 0 | 0

Local Error | 0 | 0

Operations Error | 0 | 0

Auth Method Not Supported | 0 | 0

Protocol Error | 0 | 0

Parameter Error | 0 | 0

Peer Disconnect | 0 | 0

Not Supported | 0 | 0

Other | 0 | 0

**show log**

COMMAND:

log [acl ... | command ... | debug ... | event ... | no-subscription-match ... | rest ... | system ...]

DESCRIPTION:

Show the appliance log

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

acl - Display ACL logs. command - Display command logs. debug - Display debug logs. event - Display event logs. no-subscription-match - Display no-subscription-match logs. rest - Display REST logs. system - Display system logs.

**show log acl**

COMMAND:

acl [client-connect | publish-topic | subscribe-topic] [client-username <username>] [message-vpn <vpn-name>] [wide]

DESCRIPTION:

Display ACL logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

client-connect - Show only logs relating to client-connect ACLs publish-topic - Show only logs relating to publish-topic ACLs subscribe-topic - Show only logs relating to subscribe-topic ACLs client-username <username> [1..189 chars] - Client username; may contain wildcards message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? wide - Output log in a wide format

**show log command**

COMMAND:

command [lines <num-lines>] [find <search-string>]

DESCRIPTION:

Display command logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

lines <num-lines> [0..4294967295] - The number of lines to read. Default is 1000. find <search-string> [string] - A string to use as a filter. No filtering applied by default.

**show log debug**

COMMAND:

debug [lines <num-lines>] [find <search-string>]

DESCRIPTION:

Display debug logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

lines <num-lines> [0..4294967295] - The number of lines to read. Default is 1000. find <search-string> [string] - A string to use as a filter. No filtering applied by default.

**show log event**

COMMAND:

event [lines <num-lines>] [find <search-string>]

DESCRIPTION:

Display event logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

lines <num-lines> [0..4294967295] - The number of lines to read. Default is 1000. find <search-string> [string] - A string to use as a filter. No filtering applied by default.

**show log no-subscription-match**

COMMAND:

no-subscription-match [client-username <username>] [client-name <name>] [message-vpn <vpn-name>] [wide]

DESCRIPTION:

Display no-subscription-match logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

client-username <username> [1..189 chars] - Show only logs for the specified client-username client-name <name> [1..160 chars] - Show only logs for the specified client-name message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? wide - Output log in a wide format

**show log rest rest-delivery-point**

COMMAND:

rest rest-delivery-point errors [wide]

DESCRIPTION:

Display REST logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

rest-delivery-point - Show logs for Rest Delivery Points errors - Show logs for error responses wide - Output log in a wide format

**show log system**

COMMAND:

system [lines <num-lines>] [find <search-string>]

DESCRIPTION:

Display system logs.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

lines <num-lines> [0..4294967295] - The number of lines to read. Default is 1000. find <search-string> [string] - A string to use as a filter. No filtering applied by default.

**show logging command**

COMMAND:

logging command

DESCRIPTION:

Show command logging information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show logging command

Cmd Interface Logging Mode

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CLI all

SEMP/mgmt all

SEMP/msgbus shutdown

**show logging config**

COMMAND:

logging config

DESCRIPTION:

Show global logging configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show logging config

Millisecond-timestamp: Enabled

**show logging debug**

COMMAND:

logging debug [<subsystem-id>]

DESCRIPTION:

Show debug logging information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<subsystem-id> [string] - Show logging info for the given subsystem ID. Default: Show logging info for all subsystems. If the logging info for each process varies, it will be displayed with a process name prefixed to it (DP = Dataplane, CP = Controlplane).

solace> show logging debug

subsystemId level mask

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BASE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_FSM CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_LOG CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_IPC CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_IPC\_MSG\_TRACE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_SEM CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_SOLDBG CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_TIMER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_PROCESS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_MEMMGMT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_SHOBJ CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_VERSION CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_XMLCONN CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_XMLLINK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_MGMT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_TYPES CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_UTILS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_PERSIST CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_USER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_ENTTL CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_TRAFLOG CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_HANDLE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_GZFILE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_WSE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_COMMANDS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_SOLFS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_XFRM CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_FD\_OWNER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_EPOLL CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_LTT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_INTF CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_VRF CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_XSLT\_TRANSLATOR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_XSLT\_ASSEMBLER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_XSLT\_LOADER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_HASH CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_HW\_MGMT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_MUTEX CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_POLICY CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_TLV CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_MEMTRACKER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_VRRP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_NETLINK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_WSMQ CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_SOLCLIENT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_SOLCLIENT\_SDK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_CLOCK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_ROUTING CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_LCTOE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_XPATH\_UTILS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_TUNABLE\_SYSTEM\_PARMS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BASE\_GLIBC\_OVERRIDES CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CLI CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DATAPLANE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_PARSER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_FASTPATH CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_DOCPROC CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_DOCPROC\_POLICY\_MGR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOL\_EMUL CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_COMM CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_SWITCH CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_DOC\_TRACE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_LFILTER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CONTROLPLANE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CSPF CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CSMP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

YFILTER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

REDUNDANCY CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CP\_LFILTER\_TREE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CP\_CHINOOK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CP\_POLICY\_MGR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SMRP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BRIDGE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

MGMTPLANE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

MP\_AUTH CLI\_WARN DP\_WARN CP\_WARN 0x00000001

MP\_TRANS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

MP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

MPCLI CLI\_WARN DP\_WARN CP\_WARN 0x00000001

WATCHDOG CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOLDAEMON CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOLPINK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LINUX\_AUTH CLI\_WARN DP\_WARN CP\_WARN 0x00000001

XML\_MANAGER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

EXTERN\_SCRIPT CLI\_INFO DP\_INFO CP\_INFO 0x00000001

ENVSENSORS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOLSNMP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOLSINK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CMD\_EXECUTOR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

STDOUT\_REDIRECT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

STDERR\_REDIRECT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

ADMANAGER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BACKUP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DISKMONITOR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

IPC\_PCI CLI\_WARN DP\_WARN CP\_WARN 0x00000001

OCTEON CLI\_WARN DP\_WARN CP\_WARN 0x00000001

MGMT\_LOG CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_BASE\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SHARED\_MEM CLI\_WARN DP\_WARN CP\_WARN 0x00000001

POW CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_MGMT\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_DMA\_MEM\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CONNECTION\_SCHEDULER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_TIMER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

WORK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CHAINED\_BUF CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOCKET CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_DMA\_SCHED\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_INGRESS\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_EGRESS\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_EGRESS\_DISPATCHER\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LINUX\_SIM CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_SIM\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_PTE\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

FPA CLI\_WARN DP\_WARN CP\_WARN 0x00000001

HW\_3206 CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_MSG CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_PACKET\_CAPTURE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DP\_MSG\_ALLOC CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_DIRECT\_EGRESS\_FMTER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_NEXT\_HOP\_EGRESS\_FMTER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_SMF\_FMTER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_EGRESS\_TRANSPORT\_SCHEDULER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_FIB CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_ZIP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_EGRESS\_TRANSPORT\_SCHEDULER\_THREAD CLI\_WARN DP\_WARN CP\_WARN 0x00000001

RFAD\_MANAGER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

AD\_CP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

ALARMS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

EVENTS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_TOPIC\_DMA CLI\_WARN DP\_WARN CP\_WARN 0x00000001

JS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

INFRA CLI\_WARN DP\_WARN CP\_WARN 0x00000001

OCTEON\_EVENT\_NOTIFIER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

TRM\_MANAGER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

TFILTER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

RV CLI\_WARN DP\_WARN CP\_WARN 0x00000001

RV\_HOST\_STATUS\_MGR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

TR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

OBERON CLI\_WARN DP\_WARN CP\_WARN 0x00000001

EUROPA CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_CONNTPHDLR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

JNDI CLI\_WARN DP\_WARN CP\_WARN 0x00000001

PRODKEY CLI\_WARN DP\_WARN CP\_WARN 0x00000001

ACL CLI\_WARN DP\_WARN CP\_WARN 0x00000001

BMB CLI\_WARN DP\_WARN CP\_WARN 0x00000001

MSGBUS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOLCACHEMGR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

TRBSIM CLI\_WARN DP\_WARN CP\_WARN 0x00000001

GRB CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SELECTOR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOLEVENT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_BRIDGE CLI\_WARN DP\_WARN CP\_WARN 0x00000001

SOLREDSWITCH CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DNSMANAGER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

TODO CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CONFIGDB CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CFGSYNC CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DBEXPORT CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CONFIGDB\_TRANSACTIONS CLI\_WARN DP\_WARN CP\_WARN 0x00000001

AD\_REDUN CLI\_WARN DP\_WARN CP\_WARN 0x00000001

USER\_ACCESS\_LEVEL CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CLI\_STACK CLI\_WARN DP\_WARN CP\_WARN 0x00000001

DNS\_LOOKUP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_SSL CLI\_WARN DP\_WARN CP\_WARN 0x00000001

CONFIG\_SEQUENCE\_NUMBER CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_RDP CLI\_WARN DP\_WARN CP\_WARN 0x00000001

ETRB CLI\_WARN DP\_WARN CP\_WARN 0x00000001

OPENLDAP\_LIB CLI\_WARN DP\_WARN CP\_WARN 0x00000001

LC\_SSL\_SESSION CLI\_WARN DP\_WARN CP\_WARN 0x00000001

OUTPUT\_REDIRECTOR CLI\_WARN DP\_WARN CP\_WARN 0x00000001

solace> show logging debug BASE\_LOG

subsystemId level mask

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

BASE\_LOG CLI\_WARN DP\_WARN CP\_WARN 0x00000001

**show logging event**

COMMAND:

logging event

DESCRIPTION:

Show system publish event logging information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show logging event

System-tag: loggingTag

Publish System Event Messages: Enabled

**show memory**

COMMAND:

memory

DESCRIPTION:

Show memory usage

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show memory

Memory (KB):

Total Used Free Buffers Cached

---------- ---------- ---------- ---------- ----------

Physical

Memory 15367452 8357020 7010432 29684 1990448

Swap 2007996 0 2007996

Subscriptions

Memory 1966080 68 1966012

IPC Buffers:

Buffer # Buffers Memory (KB)

Pool Size(B) Total Used Free Total Used Free

---- --------- ------- ------- ------- --------- --------- ---------

0 256 8192 3 8189 2048 1 2047

1 2040 16536 1 16535 32942 2 32940

2 10240 2048 0 2048 20480 0 20480

3 102400 450 0 450 45000 0 45000

4 1048576 10 0 10 10240 0 10240

5 10485760 1 0 1 10240 0 10240

Physical memory usage: 41.43%

Subscription memory usage: 0.00%

NAB Buffers:

Slot NAB Buffer Load Factor

-------- ----------------------

1/6 0%

Event Threshold Set Value Clear Value

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Physical Memory (%) 70 50

Subscriptions Memory (%) 70 50

NAB Buffer Load Factor (%) 70% 50%

**show message-spool**

COMMAND:

message-spool [message-vpn <vpn-name>] [stats | detail | rates]

DESCRIPTION:

Show message spool

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only Notes/Exceptions: global/read-only is required to run this command without the "message-vpn" argument.

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats - Show spooled message stats detail - Show detailed information rates - Show rate information

solace> show message-spool

Config Status: Enabled (Primary)

Maximum Spool Usage: 800000 MB

Spool While Charging: No

Spool Without Flash Card: No

Using Internal Disk: Yes

Disk Array WWN: N/A

Operational Status: AD-Active

Datapath Status: Up

Synchronization Status: Synced

Max Message Count: 240M

Message Count Utilization: 0.00%

Transaction Resource Utilization: 0.00%

Delivered Unacked Msgs Utilization: 0.00%

Spool Files Utilization: 0.00%

Active Disk Partition Usage: 94.26%

Next Message Id: 1

Defragmentation Status: Idle

Number of delete in-progress: 0

ADB Disk Total

Current Persistent Store Usage (MB) 0.0000 0.0000 0.0000

Number of Messages Currently Spooled 0 0 0

solace> show message-spool detail

Config Status: Enabled (Primary)

Maximum Spool Usage: 800000 MB

Spool While Charging: No

Spool Without Flash Card: No

Using Internal Disk: Yes

Disk Array WWN: N/A

Operational Status: AD-Active

Datapath Status: Up

Synchronization Status: Synced

Max Message Count: 240M

Message Count Utilization: 0.00%

Transaction Resource Utilization: 0.00%

Delivered Unacked Msgs Utilization: 0.00%

Spool Files Utilization: 0.00%

Active Disk Partition Usage: 94.26%

Next Message Id: 1

Defragmentation Status: Idle

Number of delete in-progress: 0

Currently Used Max Allowed

-------------- -----------

Queue and Topic-endpoint Spools: 47 16000

Queues: 28

Topic-endpoints: 19

Transacted Sessions: 1 16000

Local: 0

XA: 1

Transactions: 1 50000

Local: 0

XA: 1

Sequenced Topics: 1 3000

Queue Topic Subscriptions: 14 100000

Total Ingress Flows: 55 16000

Total Egress Flows: 7 16000

Active Egress Flows: 7

Inactive Egress Flows: 0

Browser Egress Flows: 0

CVRID/LAG Config Status: Ready

ADB Status: Ready

Flash Module Status: Ready

Power Module Status: Ready

ADB Contents: Ready

Local Contents Key: 192.168.164.191:2,1

Schema Match: Yes

Disk Status: Ready

Disk Contents: Ready

Disk Key (Primary): 192.168.164.191:2,1

Disk Key (Backup): 192.168.164.191:2,1

Last Failure Reason: N/A

ADB Disk Total

Current Persistent Store Usage (MB) 0.0000 0.0000 0.0000

Number of Messages Currently Spooled 0 0 0

Disk Partition 1K-blocks Used Available Use% Mounted on

Active 60.1 Mi 37.9 Mi 2.3 Mi 94% /usr/sw

Spool Files Maximum Used Available Use% Pending delete

Total 999999 0 999999 0% 0

Transaction:

Replication Compatibility Mode: Transacted

Guaranteed Message Cache: N/A

Max Cache Usage: 50%

Current Cache Usage: N/A

High Water Mark: N/A

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Endpoints 70%(11200) 50%(8000)

Egress Flows 70%(11200) 50%(8000)

Ingress Flows 70%(11200) 50%(8000)

Spool Usage (MB) 70%(560000) 50%(400000)

Transacted Sessions 70%(11200) 50%(8000)

Transactions 70%(35000) 50%(25000)

Cache Usage (% NAB Resources) 70%(35.0) 50%(25.0)

Transacted Session Resources 80% 60%

Spool Files 80% 60%

Message Count 80% 60%

Delivered Unacked 80% 60%

Disk Usage 80% 60%

solace> show message-spool rates

Ingress Egress

Message VPN bytes/sec msg/sec bytes/sec msg/sec

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authenticationdefnonevpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

authenticationdefreadonlyvpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

authenticationdefreadwritevpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

authenticationldapnonevpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

authenticationldapreadonlyvpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

authenticationldapreadwritevpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

blue

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

default

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

genConfig\_messageVpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

genConfig\_messageVpn1

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

genConfig\_messageVpn2

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

usernamenonevpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

usernamereadonlyvpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

usernamereadwritevpn

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_1

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_10

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_11

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_12

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_13

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_14

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_15

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_16

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_17

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_18

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_19

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_2

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_20

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_21

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_22

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_23

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_24

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_25

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_26

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_27

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_28

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_29

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_3

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_30

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_31

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_32

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_33

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_34

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_35

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_36

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_37

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_38

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_39

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_4

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_40

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_41

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_42

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_5

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_6

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_7

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_8

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_9

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

vpn\_acl-profile

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

-------------------------------------------------------------------------------

TOTAL

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

solace> show message-spool stats

\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Spool Discard Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Spooling Not Ready: 0

Out Of Order Messages: 0

Duplicate Messages: 0

No Eligible Destinations: 0

Spool Over Quota: 0

Queue/Topic-Endpoint Over Quota: 0

Max. Message Usage Exceeded: 0

Max. Message Size Exceeded: 0

Remote Router Spooling Not Supported: 0

Spool To ADB Fail: 0

Spool To Disk Fail: 0

Spool File Limit Exceeded: 0

Errored Message: 0

Queue Not Found: 0

Spool Shutdown Discard: 0

User Profile Deny Guaranteed: 0

Publisher Not Found: 0

No Local Delivery Discard: 0

TTL Exceeded: 0

Publish ACL Denied: 0

Destination Group Error: 0

Not Compatible With Forwarding Mode: 0

Low-Priority-Msg Congestion Discard: 0

Replication Is Standby Discard: 0

Sync Replication Ineligible Discard: 0

Other: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Spool Discard Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Messages Deleted: 0

Messages Expired To Discard: 0

Messages Expired To DMQ: 0

Messages Expired To DMQ Failed: 0

Max Redelivery Exceeded To Discard: 0

Max Redelivery Exceeded To DMQ: 0

Max Redelivery Exceeded To DMQ Failed: 0

TTL Exceeded To Discard: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Message Processing Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Number of Ingress Messages: 0

Promoted to Non-Persistent: 0

Demoted to Direct: 0

Replicate Promoted: 0

Async Replicated: 0

Sync Replicated: 0

From Replication Mate: 0

Sequenced Topic Matches: 0

Sequence Number Already Assigned: 0

Sequence Number Rollover: 0

Sequence Numbered Messages Discarded: 0

Transacted Messages Not Sequenced: 0

Ingress Messages Discarded: 0

Messages Spooled to ADB: 0

Messages Spooled to Disk: 0

Messages Retrieved from ADB: 0

Messages Retrieved from Disk: 0

Guaranteed Message Cache Miss: 0

Messages Ingress Selector Examined: 0

Messages Selector Matched: 0

Messages Selector Did Not Match: 0

Messages Egress Selector Examined: 0

Messages Selector Matched: 0

Messages Selector Did Not Match: 0

Egress Messages Discarded: 0

Number of Egress Messages: 0

Redelivered: 0

Messages Confirmed Delivered: 0

Store and Forward: 0

Cut-Through: 0

From Replication Mate: 0

Request for Redelivery: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Local Transaction Processing Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Open Session: 0

Success: 0

Max Sessions Exceeded: 0

Other: 0

Transaction Requests: 0

Success: 0

Commit: 0

Rollback: 0

Fail: 0

Msgs Spooled to ADB: 0

Msgs Retrieved from ADB or Disk: 0

Msgs Published: 0

Msgs Consumed: 0

Max Transactions Exceeded: 0

Max Transaction Resources Exceeded: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* XA Transaction Processing Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Open Session: 1

Success: 1

Max Sessions Exceeded: 0

Other: 0

Transaction Requests: 1

Success: 1

Recover: 0

Start: 1

Suspend: 0

Resume: 0

End: 0

End Fail: 0

End Rollback: 0

Prepare: 0

Commit: 0

Rollback: 0

Forget: 0

Fail: 0

Recover: 0

Start: 0

Suspend: 0

Resume: 0

End: 0

End Fail: 0

End Rollback: 0

Prepare: 0

Commit: 0

Rollback: 0

Forget: 0

Msgs Spooled to ADB: 0

Msgs Retrieved from ADB or Disk: 0

Msgs Published: 0

Msgs Consumed: 0

Max Transactions Exceeded: 0

Max Transaction Resources Exceeded: 0

solace> show message-spool message-vpn blue

Message VPN: blue

Queues and Topic-Endpoints

Maximum Queues and Topic-Endpoints: 16000

Current Queues and Topic-Endpoints: 3

Queues: 2

Topic-endpoints: 1

Sequenced Topics: 0

Current Messages Spooled: 0

Current Spool Usage (MB): 0.0000

Max Allowed Spool Usage (MB): 0

Allow Unknown Publisher Flow: No

Transacted Sessions

Max Sessions: 16000

Current Local Sessions: 0

Current XA Sessions: 0

Max Transactions: 50000

Current Local Transactions: 0

Current XA Transactions: 0

Current Number of Messages Spooled: 0

Current Persistent Store Usage (MB): 0.0000

Flows

Max Egress Flows: 16000

Current Egress Flows: 0

Max Ingress Flows: 16000

Current Ingress Flows: 0

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Endpoints 80%(12800) 60%(9600)

Egress Flows 80%(12800) 60%(9600)

Ingress Flows 80%(12800) 60%(9600)

Spool Usage (MB) 80%(0) 60%(0)

Transacted Sessions 80%(12800) 60%(9600)

Transactions 80%(40000) 60%(30000)

solace> show message-spool message-vpn blue detail

Message VPN: blue

Queues and Topic-Endpoints

Maximum Queues and Topic-Endpoints: 16000

Current Queues and Topic-Endpoints: 3

Queues: 2

Topic-endpoints: 1

Sequenced Topics: 0

Current Messages Spooled: 0

Current Spool Usage (MB): 0.0000

Max Allowed Spool Usage (MB): 0

Allow Unknown Publisher Flow: No

Transacted Sessions

Max Sessions: 16000

Current Local Sessions: 0

Current XA Sessions: 0

Max Transactions: 50000

Current Local Transactions: 0

Current XA Transactions: 0

Current Number of Messages Spooled: 0

Current Persistent Store Usage (MB): 0.0000

Flows

Max Egress Flows: 16000

Current Egress Flows: 0

Max Ingress Flows: 16000

Current Ingress Flows: 0

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Endpoints 80%(12800) 60%(9600)

Egress Flows 80%(12800) 60%(9600)

Ingress Flows 80%(12800) 60%(9600)

Spool Usage (MB) 80%(0) 60%(0)

Transacted Sessions 80%(12800) 60%(9600)

Transactions 80%(40000) 60%(30000)

solace> show message-spool message-vpn blue rates

Spool Type Flags: Q=queue, T=topic endpoint

Ingress Egress

Type Name bytes/sec msg/sec bytes/sec msg/sec

---- -------------------------------- ----------- -------- ----------- --------

Q #mqtt/mqttSession/4

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

Q testqueue

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

T testdte

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

-------------------------------------------------------------------------------

TOTAL

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

solace> show message-spool message-vpn blue stats

\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Spool Discard Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Spooling Not Ready: 0

Out Of Order Messages: 0

Duplicate Messages: 0

No Eligible Destinations: 0

Spool Over Quota: 0

Queue/Topic-Endpoint Over Quota: 0

Max. Message Usage Exceeded: 0

Max. Message Size Exceeded: 0

Remote Router Spooling Not Supported: 0

Spool To ADB Fail: 0

Spool To Disk Fail: 0

Spool File Limit Exceeded: 0

Errored Message: 0

Queue Not Found: 0

Spool Shutdown Discard: 0

User Profile Deny Guaranteed: 0

Publisher Not Found: 0

No Local Delivery Discard: 0

TTL Exceeded: 0

Publish ACL Denied: 0

Destination Group Error: 0

Not Compatible With Forwarding Mode: 0

Low-Priority-Msg Congestion Discard: 0

Replication Is Standby Discard: 0

Sync Replication Ineligible Discard: 0

Other: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Spool Discard Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Messages Deleted: 0

Messages Expired To Discard: 0

Messages Expired To DMQ: 0

Messages Expired To DMQ Failed: 0

Max Redelivery Exceeded To Discard: 0

Max Redelivery Exceeded To DMQ: 0

Max Redelivery Exceeded To DMQ Failed: 0

TTL Exceeded To Discard: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Message Processing Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Number of Ingress Messages: 0

Promoted to Non-Persistent: 0

Demoted to Direct: 0

Replicate Promoted: 0

Async Replicated: 0

Sync Replicated: 0

From Replication Mate: 0

Sequenced Topic Matches: 0

Sequence Number Already Assigned: 0

Sequence Number Rollover: 0

Sequence Numbered Messages Discarded: 0

Transacted Messages Not Sequenced: 0

Ingress Messages Discarded: 0

Messages Spooled to ADB: 0

Messages Ingress Selector Examined: 0

Messages Selector Matched: 0

Messages Selector Did Not Match: 0

Messages Egress Selector Examined: 0

Messages Selector Matched: 0

Messages Selector Did Not Match: 0

Egress Messages Discarded: 0

Messages Confirmed Delivered: 0

Store and Forward: 0

Cut-Through: 0

From Replication Mate: 0

Request for Redelivery: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Local Transaction Processing Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Open Session: 0

Success: 0

Max Sessions Exceeded: 0

Other: 0

Transaction Requests: 0

Success: 0

Commit: 0

Rollback: 0

Fail: 0

Msgs Spooled to ADB: 0

Msgs Retrieved from ADB or Disk: 0

Msgs Published: 0

Msgs Consumed: 0

Max Transactions Exceeded: 0

Max Transaction Resources Exceeded: 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* XA Transaction Processing Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Open Session: 0

Success: 0

Max Sessions Exceeded: 0

Other: 0

Transaction Requests: 0

Success: 0

Recover: 0

Start: 0

Suspend: 0

Resume: 0

End: 0

End Fail: 0

End Rollback: 0

Prepare: 0

Commit: 0

Rollback: 0

Forget: 0

Fail: 0

Recover: 0

Start: 0

Suspend: 0

Resume: 0

End: 0

End Fail: 0

End Rollback: 0

Prepare: 0

Commit: 0

Rollback: 0

Forget: 0

Msgs Spooled to ADB: 0

Msgs Retrieved from ADB or Disk: 0

Msgs Published: 0

Msgs Consumed: 0

Max Transactions Exceeded: 0

Max Transaction Resources Exceeded: 0

**show message-vpn**

COMMAND:

message-vpn <vpn-name> {[[detail | stats [detail] | service [stats]] | [subscriptions [primary] [backup] [static]]] | replication [stats | detail | client-certificate] | rest [{rest-delivery-point <rdp-name> [stats | queue-binding <queue-binding-name>] [count <num-elements>] [detail] | rest-consumer <rest-consumer-name> [rest-delivery-point <rdp-name>] [stats | outgoing-connections [tcp [wide]] | authentication | client-certificate | ssl | detail] [count <num-elements>]}] | authorization [authorization-group <name> [detail]] [count <num-elements>] | mqtt mqtt-session <client-id-pattern> [owner <owner-pattern>] [primary] [backup] [detail | subscriptions [qos <qos-value>] | stats | client | queue] | bridging}

DESCRIPTION:

Show Message VPN information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? detail - Show detailed Message VPN information stats - Show Message VPN statistics detail - Show statistics detailed information service - Show services stats - Show services statistics subscriptions - Show Message VPN subscriptions primary - Show subscriptions for the primary virtual router. backup - Show subscriptions for the backup virtual router. static - Show subscriptions for the static virtual router. replication - Show replication stats - Show replication statistics detail - Show replication details client-certificate - Show replication client certificate rest - Show REST rest-delivery-point - Show REST Delivery Point information. Omit all optional parameters to display aggregates. <rdp-name> [1..100 chars] - The pattern that filters the RDP object name. May contain wildcards \* and ?. stats - Show summary statistics for this REST Delivery Point queue-binding - Show queue bindings information for this REST Delivery Point. <queue-binding-name> [string] - The pattern that filters the queue binding name. May contain wildcards \* and ? count - Specifies that a limited number of REST Delivery Points, or REST Consumers should be displayed <num-elements> detail - Display detailed information about the REST Delivery Point rest-consumer - Show REST Consumer information. Omit all optional parameters to display aggregates. <rest-consumer-name> [1..32 chars] - REST Consumer name specified. String wildcarding is supported. rest-delivery-point <rdp-name> [1..100 chars] - The pattern that filters the RDP object name. May contain wildcards \* and ?. stats - Show summary statistics for this REST Consumer. outgoing-connections - Show outgoing connection information for this REST Consumer tcp - Show outgoing connection TCP information for this REST Consumer wide - Display output suitable for wide terminals (300+ characters) authentication - Display the authentication configured for the REST Consumer client-certificate - Display the certificate configured for the REST Consumer ssl - Display ssl attributes of the REST Consumer. detail - Display detailed information about the REST Consumer. count - Specifies that a limited number of REST Consumers should be displayed. <num-elements> authorization - Show authorization information authorization-group - Show authorization group information <name> [1..256 chars] - Authorization group name; may contain wildcards \* or ? detail - detail count - The maximum number of authorization groups to be displayed <num-elements> mqtt mqtt-session - Show MQTT session information. <client-id-pattern> [string] - Filter mqtt-session by client-id owner <owner-pattern> [string] - Filter mqtt-session by owner (default \*) primary - Filter mqtt-session by primary virtual-router (default) backup - Filter mqtt-session by backup virtual-router (default) detail - Display details for each mqtt-session subscriptions - Display subscriptions for each mqtt-session qos <qos-value> [0..1] - Display subscriptions only of this QoS stats - Display stats for each mqtt-session client - Display the client of each mqtt-session queue - Display the queue of each mqtt-session bridging - Display bridging Message VPN information.

solace> show message-vpn blue

Message VPN: blue

Configuration Status: Enabled

Local Status: Up

Distributed Cache Management: Enabled

SSL to plain text downgrade allowed: No

Total Local Unique Subscriptions: 6

Total Remote Unique Subscriptions: 0

Total Unique Subscriptions: 6

Maximum Subscriptions: 5000000

Export Subscriptions: No (100% complete)

Active Incoming Connections: 1

Service SMF: 1

Service Web-Transport: 0

Service REST: 0

Service MQTT: 0

Active Outgoing Connections:

Service REST: 0

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Basic Authentication : Enabled

Auth Type: RADIUS authentication

Auth Profile: default

Radius Domain:

Client Certificate Authentication : Disabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

Allow API Provided Username: Disabled

Kerberos Authentication : Disabled

Allow API Provided Username: Disabled

SEMP over Message Bus: Enabled

Admin commands: Disabled

Client commands: Disabled

Distributed Cache commands: Disabled

Show commands: Disabled

Legacy Show Clear commands: Enabled

Large Message Threshold: 1024 (KB)

Event Log Tag:

Publish Topic Format: SMF

Publish Client Event Messages: Disabled

Publish Message VPN Event Messages: Disabled

Publish Subscription Event Messages: Disabled

No unsubscribes on disconnect: Disabled

Event topic format: N/A

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Incoming Connections 80%(4800) 60%(3600)

Service SMF 80%(4800) 60%(3600)

Service Web-Transport 80%(4800) 60%(3600)

Service REST 80%(4800) 60%(3600)

Service MQTT 80%(4800) 60%(3600)

Ingress Message Rate (msg/sec) 4000000 3000000

Egress Message Rate (msg/sec) 4000000 3000000

Subscriptions 80%(4000000) 60%(3000000)

solace> show message-vpn blue authorization

Message Vpn: blue

Authorization Type: Internal

Authorization Profile:

Authorization Groups (Up): 0

Authorization Groups (Configured): 1

LDAP:

Group Membership Attribute Name: memberOf

solace> show message-vpn blue authorization count 1

Message Vpn: blue

Authorization Type: Internal

Authorization Profile:

Authorization Groups (Up): 0

Authorization Groups (Configured): 1

LDAP:

Group Membership Attribute Name: memberOf

solace> show message-vpn blue authorization authorization-group authGroup

Message Vpn: blue

Authorization Type: Internal

Authorization Profile:

Authorization Groups (Up): 0

Authorization Groups (Configured): 1

LDAP:

Group Membership Attribute Name: memberOf

Authorization Group (from highest to lowest priority) Enabled # Clients

------------------------------------------------------------ ------- ---------

authGroup No 0

solace> show message-vpn blue authorization authorization-group authGroup count 1

Message Vpn: blue

Authorization Type: Internal

Authorization Profile:

Authorization Groups (Up): 0

Authorization Groups (Configured): 1

LDAP:

Group Membership Attribute Name: memberOf

Authorization Group (from highest to lowest priority) Enabled # Clients

------------------------------------------------------------ ------- ---------

authGroup No 0

solace> show message-vpn blue authorization authorization-group authGroup detail

Message Vpn: blue

Authorization Type: Internal

Authorization Profile:

Authorization Groups (Up): 0

Authorization Groups (Configured): 1

LDAP:

Group Membership Attribute Name: memberOf

Authorization Group: authGroup

Enabled: No

ACL Profile: default

Client Profile: default

# Clients: 0

solace> show message-vpn blue authorization authorization-group authGroup detail count 1

Message Vpn: blue

Authorization Type: Internal

Authorization Profile:

Authorization Groups (Up): 0

Authorization Groups (Configured): 1

LDAP:

Group Membership Attribute Name: memberOf

Authorization Group: authGroup

Enabled: No

ACL Profile: default

Client Profile: default

# Clients: 0

solace> show message-vpn blue bridging

Message VPN: blue

Bridging

SSL

Server Certificate Validation

Enforce Trusted Common Name: Enabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

solace> show message-vpn blue detail

Message VPN: blue

Configuration Status: Enabled

Local Status: Up

Distributed Cache Management: Enabled

SSL to plain text downgrade allowed: No

Total Local Unique Subscriptions: 6

Total Remote Unique Subscriptions: 0

Total Unique Subscriptions: 6

Maximum Subscriptions: 5000000

Export Subscriptions: No (100% complete)

Active Incoming Connections: 1

Service SMF: 1

Service Web-Transport: 0

Service REST: 0

Service MQTT: 0

Active Outgoing Connections:

Service REST: 0

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Basic Authentication : Enabled

Auth Type: RADIUS authentication

Auth Profile: default

Radius Domain:

Client Certificate Authentication : Disabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

Allow API Provided Username: Disabled

Kerberos Authentication : Disabled

Allow API Provided Username: Disabled

SEMP over Message Bus: Enabled

Admin commands: Disabled

Client commands: Disabled

Distributed Cache commands: Disabled

Show commands: Disabled

Legacy Show Clear commands: Enabled

Large Message Threshold: 1024 (KB)

Event Log Tag:

Publish Topic Format: SMF

Publish Client Event Messages: Disabled

Publish Message VPN Event Messages: Disabled

Publish Subscription Event Messages: Disabled

No unsubscribes on disconnect: Disabled

Event topic format: N/A

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Incoming Connections 80%(4800) 60%(3600)

Service SMF 80%(4800) 60%(3600)

Service Web-Transport 80%(4800) 60%(3600)

Service REST 80%(4800) 60%(3600)

Service MQTT 80%(4800) 60%(3600)

Ingress Message Rate (msg/sec) 4000000 3000000

Egress Message Rate (msg/sec) 4000000 3000000

Subscriptions 80%(4000000) 60%(3000000)

solace> show message-vpn blue mqtt mqtt-session mqttSession

Status Flags: A=Admin R=Redundancy C=Clean

Status Values: U=Up P=Primary Y=Yes

D=Down B=Backup N=No

ClientId Owner Message-Vpn # Subs A R C Uptime

---------------------- -------------- ------------ ------- ----- --------------

mqttSession blue 1 D P N N/A

solace> show message-vpn blue mqtt mqtt-session mqttSession client

Client: #mqtt/mqttSession/4

Type: Primary

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address:

Subscriptions: 1

No Local Delivery: Yes

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority:

Network Priority:

Client Id: 121

Message VPN: blue

Uptime: 0d 0h 0m 0s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description:

Software Version:

Software Date:

Platform: MQTT Client

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Recv-Q Send-Q Received Fast Timed

Prt Bytes Bytes Client Address State OutOfOrder Retransmit Retransmit

--- ------- ------- --------------------- ----- ---------- ---------- ----------

solace> show message-vpn blue mqtt mqtt-session mqttSession detail

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Created By Mgmt : yes

Enabled : no

Subscriptions : 1

QoS 0 : 1

QoS 1 : 0

Clean : no

Has Will : no

Uptime : N/A

Client Name : #mqtt/mqttSession/4

Queue Name : #mqtt/mqttSession/4

solace> show message-vpn blue mqtt mqtt-session mqttSession queue

Name : #mqtt/mqttSession/4

Message VPN : blue

Durability : Durable

Id : 2146

Type : Primary

Admin Ingress : Down

Admin Egress : Down

Access Type : Exclusive

Owner :

Created by mgmt : No

All Others Permission : No-Access (0000)

Quota (MB) : 4000

Respect TTL : No

Max TTL (Seconds) : 0 (Disabled)

Reject Msg to Sender on Discard : Yes

Including When Shutdown : No

Bind Time Forwarding Mode : Store-And-Forward(MQTT)

Current Messages Spooled : 0

Current Spool Usage (MB) : 0.0000

High Water Mark (MB) : 0.0000

Total Delivered Unacked Msgs : 0

Max Delivered Unacked Msgs Per Flow : 10000

Total Acknowledgments In-Progress : 0

Max Redelivery : 0

Consumer Ack Propagation : Yes

Reject Low-Priority-Msg : No

Reject Low-Priority-Msg Limit : 0

Low-Priority-Msg Congestion State : Disabled

Oldest Msg Id in Spool : N/A

Newest Msg Id in Spool : N/A

Max Msg Size Allowed (B) : 10000000

Bind Count : 0

Max Bind Count : 1000

Topic Subscription Count : 0

Network Topic : #P2P/QUE/#mqtt/mqttSession/4

Egress Selector Present : No

Dead Message Queue : #DEAD\_MSG\_QUEUE

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Bind count 80%(800) 60%(600)

Spool usage (MB) 80%(3200) 60%(2400)

Reject Low-Priority-Msg Limit 80%(0) 60%(0)

solace> show message-vpn blue mqtt mqtt-session mqttSession stats

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Received Sent

-------------------- --------------------

CONNECT Packets 0

CONNACK Packets 0

Accepted 0

Refused 0

PUBLISH Packets 0 0

QoS 0 0 0

QoS 1 0 0

QoS 2 0

Unformattable 0

PUBACK Packets 0 0

PUBREC Packets 0

PUBREL Packets 0

PUBCOMP Packets 0

SUBSCRIBE Packets 0

SUBACK Packets 0

Failure 0

UNSUBSCRIBE Packets 0

UNSUBACK Packets 0

PINGREQ Packets 0

PINGRESP Packets 0

DISCONNECT Packets 0

solace> show message-vpn blue mqtt mqtt-session mqttSession subscriptions

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Subscriptions : 1

QoS 0 : 1

QoS 1 : 0

QoS Topic

--- ---------------------------------------------------------------------------

0 a/b/c

solace> show message-vpn blue mqtt mqtt-session mqttSession subscriptions qos 0

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Subscriptions : 1

QoS 0 : 1

QoS 1 : 0

QoS Topic

--- ---------------------------------------------------------------------------

0 a/b/c

solace> show message-vpn blue mqtt mqtt-session mqttSession owner \*

Status Flags: A=Admin R=Redundancy C=Clean

Status Values: U=Up P=Primary Y=Yes

D=Down B=Backup N=No

ClientId Owner Message-Vpn # Subs A R C Uptime

---------------------- -------------- ------------ ------- ----- --------------

mqttSession blue 1 D P N N/A

solace> show message-vpn blue mqtt mqtt-session mqttSession owner \* client

Client: #mqtt/mqttSession/4

Type: Primary

Client Profile: #client-profile

ACL Profile: #acl-profile

Authorization Group:

Originating IP Address:

Subscriptions: 1

No Local Delivery: Yes

Eliding Enabled: No

Eliding Topics:

Current: 0

High Water Mark: 0

Deliver To One:

Local Priority:

Network Priority:

Client Id: 121

Message VPN: blue

Uptime: 0d 0h 0m 0s

Slow Subscriber: No

Client Username: #client-username

Original Client Username:

User: SolOS

Description:

Software Version:

Software Date:

Platform: MQTT Client

Total Ingress Flows: 0

Total Egress Flows: 0

Web Transport Session: N/A

SSL Version: N/A

SSL Cipher: N/A

SSL Downgraded to Plain Text: No

Recv-Q Send-Q Received Fast Timed

Prt Bytes Bytes Client Address State OutOfOrder Retransmit Retransmit

--- ------- ------- --------------------- ----- ---------- ---------- ----------

solace> show message-vpn blue mqtt mqtt-session mqttSession owner \* detail

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Created By Mgmt : yes

Enabled : no

Subscriptions : 1

QoS 0 : 1

QoS 1 : 0

Clean : no

Has Will : no

Uptime : N/A

Client Name : #mqtt/mqttSession/4

Queue Name : #mqtt/mqttSession/4

solace> show message-vpn blue mqtt mqtt-session mqttSession owner \* queue

Name : #mqtt/mqttSession/4

Message VPN : blue

Durability : Durable

Id : 2146

Type : Primary

Admin Ingress : Down

Admin Egress : Down

Access Type : Exclusive

Owner :

Created by mgmt : No

All Others Permission : No-Access (0000)

Quota (MB) : 4000

Respect TTL : No

Max TTL (Seconds) : 0 (Disabled)

Reject Msg to Sender on Discard : Yes

Including When Shutdown : No

Bind Time Forwarding Mode : Store-And-Forward(MQTT)

Current Messages Spooled : 0

Current Spool Usage (MB) : 0.0000

High Water Mark (MB) : 0.0000

Total Delivered Unacked Msgs : 0

Max Delivered Unacked Msgs Per Flow : 10000

Total Acknowledgments In-Progress : 0

Max Redelivery : 0

Consumer Ack Propagation : Yes

Reject Low-Priority-Msg : No

Reject Low-Priority-Msg Limit : 0

Low-Priority-Msg Congestion State : Disabled

Oldest Msg Id in Spool : N/A

Newest Msg Id in Spool : N/A

Max Msg Size Allowed (B) : 10000000

Bind Count : 0

Max Bind Count : 1000

Topic Subscription Count : 0

Network Topic : #P2P/QUE/#mqtt/mqttSession/4

Egress Selector Present : No

Dead Message Queue : #DEAD\_MSG\_QUEUE

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Bind count 80%(800) 60%(600)

Spool usage (MB) 80%(3200) 60%(2400)

Reject Low-Priority-Msg Limit 80%(0) 60%(0)

solace> show message-vpn blue mqtt mqtt-session mqttSession owner \* stats

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Received Sent

-------------------- --------------------

CONNECT Packets 0

CONNACK Packets 0

Accepted 0

Refused 0

PUBLISH Packets 0 0

QoS 0 0 0

QoS 1 0 0

QoS 2 0

Unformattable 0

PUBACK Packets 0 0

PUBREC Packets 0

PUBREL Packets 0

PUBCOMP Packets 0

SUBSCRIBE Packets 0

SUBACK Packets 0

Failure 0

UNSUBSCRIBE Packets 0

UNSUBACK Packets 0

PINGREQ Packets 0

PINGRESP Packets 0

DISCONNECT Packets 0

solace> show message-vpn blue mqtt mqtt-session mqttSession owner \* subscriptions

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Subscriptions : 1

QoS 0 : 1

QoS 1 : 0

QoS Topic

--- ---------------------------------------------------------------------------

0 a/b/c

solace> show message-vpn blue mqtt mqtt-session mqttSession owner \* subscriptions qos 0

ClientId : mqttSession

Message Vpn : blue

Virtual Router : primary

Owner :

Subscriptions : 1

QoS 0 : 1

QoS 1 : 0

QoS Topic

--- ---------------------------------------------------------------------------

0 a/b/c

solace> show message-vpn blue replication

Flags Legend:

A - Admin State (U=Up, D=Down, -=N/A)

C - Config State (A=Active, S=Standby, -=N/A)

B - Local Bridge State (U=Up, Q=Queue Unbound, D=Down, -=N/A)

R - Remote Bridge State (U=Up, D=Down, -=N/A)

Q - Queue State (U=Up, D=Down, -=N/A)

S - Sync Replication Eligible (Y=Yes, N=No, -=N/A)

M - Reject Msg When Sync Ineligible (Y=Yes, N=No, -=N/A)

T - Transaction Replication Mode (A=Async, S=Sync, -=N/A)

Message VPN A C B R Q S M T

-------------------------------- - - - - - - - -

blue D S - - - - N A

solace> show message-vpn blue replication client-certificate

Message VPN: blue

Admin Status: shutdown

Config Status: standby

Client Certificate:

solace> show message-vpn blue replication detail

Message VPN: blue

Admin Status: shutdown

Config Status: standby

Local Bridge:

State: n/a

Name: n/a

Queue State: n/a

Authentication:

Scheme: Basic

Basic:

Client Username:

Password Configured: No

Client Certificate:

Certificate File:

Using Server Certificate: Yes

Compressed: No

SSL: No

Message Spool:

Window Size: 255

Unidirectional:

Client Profile: #client-profile

Retry Delay: 3

Remote Bridge:

State: n/a

Name: n/a

Queue:

State: n/a

Quota (MB): 60000

Reject Msg to Sender on Discard: Yes

Ack Propagation:

Interval in Messages: 20

Sync Replication:

Eligible: n/a

Duration: n/a

Mate Flow Congested: n/a

Duration: n/a

Reject Msg When Sync Ineligible: No

Transaction Replication Mode: async

solace> show message-vpn blue replication stats

Message VPN: blue

Admin Status: shutdown

Config Status: standby

Local Bridge:

State: n/a

Name: n/a

Queue State: n/a

Authentication:

Scheme: Basic

Basic:

Client Username:

Password Configured: No

Client Certificate:

Certificate File:

Using Server Certificate: Yes

Compressed: No

SSL: No

Message Spool:

Window Size: 255

Unidirectional:

Client Profile: #client-profile

Retry Delay: 3

Remote Bridge:

State: n/a

Name: n/a

Queue:

State: n/a

Quota (MB): 60000

Reject Msg to Sender on Discard: Yes

Ack Propagation:

Interval in Messages: 20

Sync Replication:

Eligible: n/a

Duration: n/a

Mate Flow Congested: n/a

Duration: n/a

Reject Msg When Sync Ineligible: No

Transaction Replication Mode: async

Statistics While Active:

Message Processing:

Sync Messages Queued To Standby: 0

Sync Messages Queued To Standby As Async: 0

Async Messages Queued To Standby: 0

Promoted Messages Queued To Standby: 0

Pruned Locally Consumed Messages: 0

Sync Replication:

Transitions To Ineligible: 0

Ineligible High Water Mark: 0d 0h 0m 0s

Eligible High Water Mark: 0d 0h 0m 0s

Mate Flow Congested High Water Mark: 0d 0h 0m 0s

Mate Flow Not Congested High Water Mark: 0d 0h 0m 0s

Ack Propagation:

Messages Sent To Standby: 0

Reconcile Request From Standby: 0

Reconcile Scan in Progress: No

Statistics While Standby:

Message Processing:

Messages Received From Active: 0

Ack Propagation:

Messages Received from Active: 0

Reconcile Request Sent to Active: 0

Out of Sequence Ack Received: 0

Transaction Replication:

Transactions Requests: 0

Success: 0

Prepare: 0

Commit: 0

Rollback: 0

Fail: 0

Prepare: 0

Commit: 0

Rollback: 0

solace> show message-vpn blue rest

Message VPN: blue

REST SSL Server Certificate Validation

Enforce Trusted Common Name: Enabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

solace> show message-vpn blue rest rest-consumer restConsumer

Total REST Consumer Outgoing Connections (up): 0

Total REST Consumer Outgoing Connections (configured): 3

Flags Legend:

A - Admin State (U=Up, D=Down)

O - Oper State (U=Up, D=Down)

REST Consumer

REST Status Connections

Consumer RDP Name Message VPN A O (up/conf)

-------------------- ------------------ ------------------ ------ -------------

restConsumer rdp001 blue D D 0 / 3

solace> show message-vpn blue rest rest-consumer restConsumer count 1

Total REST Consumer Outgoing Connections (up): 0

Total REST Consumer Outgoing Connections (configured): 3

Flags Legend:

A - Admin State (U=Up, D=Down)

O - Oper State (U=Up, D=Down)

REST Consumer

REST Status Connections

Consumer RDP Name Message VPN A O (up/conf)

-------------------- ------------------ ------------------ ------ -------------

restConsumer rdp001 blue D D 0 / 3

solace> show message-vpn blue rest rest-consumer restConsumer authentication

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Authentication:

Scheme: none

HTTP Basic

Username:

Password Configured: No

Client Certificate

Certificate File:

Using Server Certificate: Yes

solace> show message-vpn blue rest rest-consumer restConsumer authentication count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Authentication:

Scheme: none

HTTP Basic

Username:

Password Configured: No

Client Certificate

Certificate File:

Using Server Certificate: Yes

solace> show message-vpn blue rest rest-consumer restConsumer client-certificate

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

solace> show message-vpn blue rest rest-consumer restConsumer client-certificate count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

solace> show message-vpn blue rest rest-consumer restConsumer detail

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Local:

Interface:

Remote:

Host:

Port: 8080

SSL: No

Outgoing Connections (up): 0

Outgoing Connections (configured): 3

Max Post Wait Time: 30 seconds

Retry Delay: 3 seconds

solace> show message-vpn blue rest rest-consumer restConsumer detail count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Local:

Interface:

Remote:

Host:

Port: 8080

SSL: No

Outgoing Connections (up): 0

Outgoing Connections (configured): 3

Max Post Wait Time: 30 seconds

Retry Delay: 3 seconds

solace> show message-vpn blue rest rest-consumer restConsumer outgoing-connections

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Oper Uptime

Index Local Address Remote Address Status

----- --------------------- --------------------- ------ ----------------

solace> show message-vpn blue rest rest-consumer restConsumer outgoing-connections count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Oper Uptime

Index Local Address Remote Address Status

----- --------------------- --------------------- ------ ----------------

solace> show message-vpn blue rest rest-consumer restConsumer outgoing-connections tcp

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Recv-Q Send-Q Local Received Fast Timed

Idx Bytes Bytes Address State OutOfOrdr Retransmt Retransmt

--- ------- ------- --------------------- ----- ---------- --------- ---------

solace> show message-vpn blue rest rest-consumer restConsumer outgoing-connections tcp count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Recv-Q Send-Q Local Received Fast Timed

Idx Bytes Bytes Address State OutOfOrdr Retransmt Retransmt

--- ------- ------- --------------------- ----- ---------- --------- ---------

solace> show message-vpn blue rest rest-consumer restConsumer outgoing-connections tcp wide

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Index Proto Receive-Queue Send-Queue Local Address Remote Address State Maximum Bytes Sent Bytes Rcvd Retransmit RoundTrip RoundTrip RoundTrip Advertised Transmit Bandwidth Congestion Slow Start Received Fast Timed Connection Blk Intf

Bytes Segs Bytes Msgs Seg Size Time (ms) Smth (us) Min (us) Var (us) Windw Size Windw Size Windw Size Windw Size Threshold OutOfOrder Retransmit Retransmit Uptime (s) (%)

----- ----- --------- ------ --------- ------ --------------------- --------------------- ------------ -------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---- -----

solace> show message-vpn blue rest rest-consumer restConsumer outgoing-connections tcp wide count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Index Proto Receive-Queue Send-Queue Local Address Remote Address State Maximum Bytes Sent Bytes Rcvd Retransmit RoundTrip RoundTrip RoundTrip Advertised Transmit Bandwidth Congestion Slow Start Received Fast Timed Connection Blk Intf

Bytes Segs Bytes Msgs Seg Size Time (ms) Smth (us) Min (us) Var (us) Windw Size Windw Size Windw Size Windw Size Threshold OutOfOrder Retransmit Retransmit Uptime (s) (%)

----- ----- --------- ------ --------- ------ --------------------- --------------------- ------------ -------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---- -----

solace> show message-vpn blue rest rest-consumer restConsumer ssl

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

SSL:

Default Cipher Suite: Yes

Cipher Suites:

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

AES256-GCM-SHA384

AES256-SHA256

AES256-SHA

ECDHE-RSA-DES-CBC3-SHA

DES-CBC3-SHA

ECDHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

AES128-GCM-SHA256

AES128-SHA256

AES128-SHA

Trusted Common Names:

solace> show message-vpn blue rest rest-consumer restConsumer ssl count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

SSL:

Default Cipher Suite: Yes

Cipher Suites:

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

AES256-GCM-SHA384

AES256-SHA256

AES256-SHA

ECDHE-RSA-DES-CBC3-SHA

DES-CBC3-SHA

ECDHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

AES128-GCM-SHA256

AES128-SHA256

AES128-SHA

Trusted Common Names:

solace> show message-vpn blue rest rest-consumer restConsumer stats

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue rest rest-consumer restConsumer stats count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001

Total REST Consumer Outgoing Connections (up): 0

Total REST Consumer Outgoing Connections (configured): 3

Flags Legend:

A - Admin State (U=Up, D=Down)

O - Oper State (U=Up, D=Down)

REST Consumer

REST Status Connections

Consumer RDP Name Message VPN A O (up/conf)

-------------------- ------------------ ------------------ ------ -------------

restConsumer rdp001 blue D D 0 / 3

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 count 1

Total REST Consumer Outgoing Connections (up): 0

Total REST Consumer Outgoing Connections (configured): 3

Flags Legend:

A - Admin State (U=Up, D=Down)

O - Oper State (U=Up, D=Down)

REST Consumer

REST Status Connections

Consumer RDP Name Message VPN A O (up/conf)

-------------------- ------------------ ------------------ ------ -------------

restConsumer rdp001 blue D D 0 / 3

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 authentication

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Authentication:

Scheme: none

HTTP Basic

Username:

Password Configured: No

Client Certificate

Certificate File:

Using Server Certificate: Yes

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 authentication count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Authentication:

Scheme: none

HTTP Basic

Username:

Password Configured: No

Client Certificate

Certificate File:

Using Server Certificate: Yes

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 client-certificate

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 client-certificate count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 detail

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Local:

Interface:

Remote:

Host:

Port: 8080

SSL: No

Outgoing Connections (up): 0

Outgoing Connections (configured): 3

Max Post Wait Time: 30 seconds

Retry Delay: 3 seconds

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 detail count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

Local:

Interface:

Remote:

Host:

Port: 8080

SSL: No

Outgoing Connections (up): 0

Outgoing Connections (configured): 3

Max Post Wait Time: 30 seconds

Retry Delay: 3 seconds

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 outgoing-connections

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Oper Uptime

Index Local Address Remote Address Status

----- --------------------- --------------------- ------ ----------------

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 outgoing-connections count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Oper Uptime

Index Local Address Remote Address Status

----- --------------------- --------------------- ------ ----------------

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 outgoing-connections tcp

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Recv-Q Send-Q Local Received Fast Timed

Idx Bytes Bytes Address State OutOfOrdr Retransmt Retransmt

--- ------- ------- --------------------- ----- ---------- --------- ---------

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 outgoing-connections tcp count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Recv-Q Send-Q Local Received Fast Timed

Idx Bytes Bytes Address State OutOfOrdr Retransmt Retransmt

--- ------- ------- --------------------- ----- ---------- --------- ---------

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 outgoing-connections tcp wide

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Index Proto Receive-Queue Send-Queue Local Address Remote Address State Maximum Bytes Sent Bytes Rcvd Retransmit RoundTrip RoundTrip RoundTrip Advertised Transmit Bandwidth Congestion Slow Start Received Fast Timed Connection Blk Intf

Bytes Segs Bytes Msgs Seg Size Time (ms) Smth (us) Min (us) Var (us) Windw Size Windw Size Windw Size Windw Size Threshold OutOfOrder Retransmit Retransmit Uptime (s) (%)

----- ----- --------- ------ --------- ------ --------------------- --------------------- ------------ -------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---- -----

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 outgoing-connections tcp wide count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Index Proto Receive-Queue Send-Queue Local Address Remote Address State Maximum Bytes Sent Bytes Rcvd Retransmit RoundTrip RoundTrip RoundTrip Advertised Transmit Bandwidth Congestion Slow Start Received Fast Timed Connection Blk Intf

Bytes Segs Bytes Msgs Seg Size Time (ms) Smth (us) Min (us) Var (us) Windw Size Windw Size Windw Size Windw Size Threshold OutOfOrder Retransmit Retransmit Uptime (s) (%)

----- ----- --------- ------ --------- ------ --------------------- --------------------- ------------ -------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---- -----

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 ssl

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

SSL:

Default Cipher Suite: Yes

Cipher Suites:

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

AES256-GCM-SHA384

AES256-SHA256

AES256-SHA

ECDHE-RSA-DES-CBC3-SHA

DES-CBC3-SHA

ECDHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

AES128-GCM-SHA256

AES128-SHA256

AES128-SHA

Trusted Common Names:

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 ssl count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Disabled

Operational State: Down

Last Failure:

Reason: Shutdown

Time: Mar 30 2017 15:23:37 EDT

Last Conn Failure:

Local Endpoint: N/A

Remote Endpoint: N/A

Reason: Unknown Connect Event

Time: Mar 30 2017 15:23:37 EDT

SSL:

Default Cipher Suite: Yes

Cipher Suites:

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

AES256-GCM-SHA384

AES256-SHA256

AES256-SHA

ECDHE-RSA-DES-CBC3-SHA

DES-CBC3-SHA

ECDHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

AES128-GCM-SHA256

AES128-SHA256

AES128-SHA

Trusted Common Names:

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 stats

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue rest rest-consumer restConsumer rest-delivery-point rdp001 stats count 1

REST Consumer Name: restConsumer

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue rest rest-delivery-point rdp001

Total REST Delivery Points (up): 0

Total REST Delivery Points (configured): 1

Total REST Consumers (up): 0

Total REST Consumers (configured): 1

Total REST Consumer Outgoing Connections (up): 0

Total REST Consumer Outgoing Connections (configured): 3

Total Queue Bindings (up): 0

Total Queue Bindings (configured): 1

Flags Legend:

A - Admin State (U=Up, D=Down)

O - Oper State (U=Up, D=Down)

REST

Consumer

Outgoing Queue Conns

Status Conns Bindings Blocked

RDP Name Message VPN A O (up/conf) (up/conf) (%)

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rdp001 blue D D 0 / 3 0 / 1 0

solace> show message-vpn blue rest rest-delivery-point rdp001 detail

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Down

Operational State: Down

Last Failure Reason: RDP Shutdown

Last Failure Time: Mar 30 2017 15:24:06 EDT

Client Profile: default

Client Name: #rdp/rdp001

REST Consumers (up): 0

REST Consumers (configured): 1

REST Consumers Outgoing Connections (up): 0

REST Consumers Outgoing Connections (configured): 3

Queue Bindings (up): 0

Queue Bindings (configured): 1

Blocked Connections %: 0

solace> show message-vpn blue rest rest-delivery-point rdp001 count 1

Total REST Delivery Points (up): 0

Total REST Delivery Points (configured): 1

Total REST Consumers (up): 0

Total REST Consumers (configured): 1

Total REST Consumer Outgoing Connections (up): 0

Total REST Consumer Outgoing Connections (configured): 3

Total Queue Bindings (up): 0

Total Queue Bindings (configured): 1

Flags Legend:

A - Admin State (U=Up, D=Down)

O - Oper State (U=Up, D=Down)

REST

Consumer

Outgoing Queue Conns

Status Conns Bindings Blocked

RDP Name Message VPN A O (up/conf) (up/conf) (%)

-------------------- ------------------ ------ ----------- ------------- -------

rdp001 blue D D 0 / 3 0 / 1 0

solace> show message-vpn blue rest rest-delivery-point rdp001 count 1 detail

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Down

Operational State: Down

Last Failure Reason: RDP Shutdown

Last Failure Time: Mar 30 2017 15:24:06 EDT

Client Profile: default

Client Name: #rdp/rdp001

REST Consumers (up): 0

REST Consumers (configured): 1

REST Consumers Outgoing Connections (up): 0

REST Consumers Outgoing Connections (configured): 3

Queue Bindings (up): 0

Queue Bindings (configured): 1

Blocked Connections %: 0

solace> show message-vpn blue rest rest-delivery-point rdp001 queue-binding testqueue

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Down

Operational State: Down

Last Failure Reason: RDP Shutdown

Last Failure Time: Mar 30 2017 15:24:06 EDT

Client Profile: default

Client Name: #rdp/rdp001

REST Consumers (up): 0

REST Consumers (configured): 1

REST Consumers Outgoing Connections (up): 0

REST Consumers Outgoing Connections (configured): 3

Queue Bindings (up): 0

Queue Bindings (configured): 1

Blocked Connections %: 0

Queue Name Status Uptime

------------------------ ------ --------------

testqueue Down 0d 0h 0m 0s

solace> show message-vpn blue rest rest-delivery-point rdp001 queue-binding testqueue detail

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Down

Operational State: Down

Last Failure Reason: RDP Shutdown

Last Failure Time: Mar 30 2017 15:24:06 EDT

Client Profile: default

Client Name: #rdp/rdp001

REST Consumers (up): 0

REST Consumers (configured): 1

REST Consumers Outgoing Connections (up): 0

REST Consumers Outgoing Connections (configured): 3

Queue Bindings (up): 0

Queue Bindings (configured): 1

Blocked Connections %: 0

Queue Bindings

Queue Name: testqueue

POST Request Target:

Operational State: Down

Last Failure Reason: No POST Request-Target

Last Failure Time: Mar 30 2017 15:23:37 EDT

Up Time: 0d 0h 0m 0s

solace> show message-vpn blue rest rest-delivery-point rdp001 queue-binding testqueue count 1

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Down

Operational State: Down

Last Failure Reason: RDP Shutdown

Last Failure Time: Mar 30 2017 15:24:06 EDT

Client Profile: default

Client Name: #rdp/rdp001

REST Consumers (up): 0

REST Consumers (configured): 1

REST Consumers Outgoing Connections (up): 0

REST Consumers Outgoing Connections (configured): 3

Queue Bindings (up): 0

Queue Bindings (configured): 1

Blocked Connections %: 0

Queue Name Status Uptime

------------------------ ------ --------------

testqueue Down 0d 0h 0m 0s

solace> show message-vpn blue rest rest-delivery-point rdp001 queue-binding testqueue count 1 detail

REST Delivery Point: rdp001

Message VPN: blue

Admin State: Down

Operational State: Down

Last Failure Reason: RDP Shutdown

Last Failure Time: Mar 30 2017 15:24:06 EDT

Client Profile: default

Client Name: #rdp/rdp001

REST Consumers (up): 0

REST Consumers (configured): 1

REST Consumers Outgoing Connections (up): 0

REST Consumers Outgoing Connections (configured): 3

Queue Bindings (up): 0

Queue Bindings (configured): 1

Blocked Connections %: 0

Queue Bindings

Queue Name: testqueue

POST Request Target:

Operational State: Down

Last Failure Reason: No POST Request-Target

Last Failure Time: Mar 30 2017 15:23:37 EDT

Up Time: 0d 0h 0m 0s

solace> show message-vpn blue rest rest-delivery-point rdp001 stats

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Consumer Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue rest rest-delivery-point rdp001 stats detail

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Consumer Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue rest rest-delivery-point rdp001 stats count 1

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Consumer Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue rest rest-delivery-point rdp001 stats count 1 detail

REST Delivery Point: rdp001

Message VPN: blue

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* REST Consumer Connection Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

HTTP POST Request Messages 0

Outstanding 0

Connection Closed 0

Timed Out 0

HTTP POST Response Messages 0

Successful 0

Client/Server Error 0

HTTP POST Request Bytes 0

HTTP POST Response Bytes 0

solace> show message-vpn blue service

Message VPN: blue

Configuration Status: Enabled

Local Status: Up

Distributed Cache Management: Enabled

SSL to plain text downgrade allowed: No

Total Local Unique Subscriptions: 6

Total Remote Unique Subscriptions: 0

Total Unique Subscriptions: 6

Maximum Subscriptions: 5000000

Export Subscriptions: No (100% complete)

Active Incoming Connections: 1

Service SMF: 1

Service Web-Transport: 0

Service REST: 0

Service MQTT: 0

Active Outgoing Connections:

Service REST: 0

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Basic Authentication : Enabled

Auth Type: RADIUS authentication

Auth Profile: default

Radius Domain:

Client Certificate Authentication : Disabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

Allow API Provided Username: Disabled

Kerberos Authentication : Disabled

Allow API Provided Username: Disabled

Flags Legend:

TP - Transport

S - SSL (Y=Yes, N=No, -=not-applicable)

C - Compressed (Y=Yes, N=No, -=not-applicable)

VRF - VRF (Mgmt=management, MsgBB=msg-backbone)

A - Admin State (U=Up, D=Down, -=not-applicable)

O - Oper State (U=Up, D=Down, -=not-applicable)

Service TP S C VRF Port A O Failed Reason

------- --- --- ----- ----- --- ------------------------------

SMF TCP N N MsgBB 55555 U U

SMF TCP N Y MsgBB 55003 U U

SMF TCP Y N MsgBB 55443 U U

REST WEB N - MsgBB D D Port not Assigned

REST WEB Y - MsgBB D D Port not Assigned

SMF WEB N - MsgBB 81 U U

SMF WEB Y - MsgBB 444 U U

MQTT TCP N - MsgBB D D Port Not Assigned

MQTT TCP Y - MsgBB D D Port Not Assigned

MQTT WEB N - MsgBB D D Port Not Assigned

MQTT WEB Y - MsgBB D D Port Not Assigned

solace> show message-vpn blue service stats

Message VPN: blue

Configuration Status: Enabled

Local Status: Up

Distributed Cache Management: Enabled

SSL to plain text downgrade allowed: No

Total Local Unique Subscriptions: 0

Total Remote Unique Subscriptions: 0

Total Unique Subscriptions: 0

Maximum Subscriptions: 5000000

Export Subscriptions: No (0% complete)

Active Incoming Connections: 1

Service SMF: 1

Service Web-Transport: 0

Service REST: 0

Service MQTT: 0

Active Outgoing Connections:

Service REST: 0

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Basic Authentication : Enabled

Auth Type: RADIUS authentication

Auth Profile: default

Radius Domain:

Client Certificate Authentication : Disabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

Allow API Provided Username: Disabled

Kerberos Authentication : Disabled

Allow API Provided Username: Disabled

Connection Accepted: 1

Connection Rejected: 0

SMF plain-text shutdown: 0

WEB plain-text shutdown: 0

SMF SSL shutdown: 0

WEB SSL shutdown: 0

solace> show message-vpn blue stats

Message VPN: blue

Configuration Status: Enabled

Local Status: Up

Distributed Cache Management: Enabled

SSL to plain text downgrade allowed: No

Total Local Unique Subscriptions: 6

Total Remote Unique Subscriptions: 0

Total Unique Subscriptions: 6

Maximum Subscriptions: 5000000

Export Subscriptions: No (100% complete)

Active Incoming Connections: 1

Service SMF: 1

Service Web-Transport: 0

Service REST: 0

Service MQTT: 0

Active Outgoing Connections:

Service REST: 0

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Basic Authentication : Enabled

Auth Type: RADIUS authentication

Auth Profile: default

Radius Domain:

Client Certificate Authentication : Disabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

Allow API Provided Username: Disabled

Kerberos Authentication : Disabled

Allow API Provided Username: Disabled

Received Sent

-------------------- --------------------

Total Client Messages 6 2

Client Data Messages 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Large Messages 0

DTO Messages 0

Client Control Messages 6 2

Login 1 1

Denied Duplicate Clients 0

Denied Authorization Failed 0

Denied Client Connect ACL 0

Update 0 0

KeepAlive 0 0

Assured Control 0 0

Add Subscription Messages

Client Adds 7 2

Subscription Manager Adds 0 0

Already Exists 1

Not Enough Space 0

Max Exceeded 0

Parse Error 0

Denied Subscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Remove Subscription Messages

Client Removes 0 0

Subscription Manager Removes 0 0

Not Found 0

Parse Error 0

Denied Unsubscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Total Client Bytes 417 255

Client Data Bytes 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Client Control Bytes 417 255

Compressed Bytes 0 0

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

Topic Parse Error 0

Parse Error 0

Message Too Big 0

TTL Exceeded 0

Publish Topic ACL 0

Message Spool Congestion 0

Message Spool Ingress Discards 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Transmit Congestion 0

Compression Congestion 0

Elided 0

Client Not Connected 0

Message Spool Egress Discards 0

solace> show message-vpn blue stats detail

Message VPN: blue

Configuration Status: Enabled

Local Status: Up

Distributed Cache Management: Enabled

SSL to plain text downgrade allowed: No

Total Local Unique Subscriptions: 6

Total Remote Unique Subscriptions: 0

Total Unique Subscriptions: 6

Maximum Subscriptions: 5000000

Export Subscriptions: No (100% complete)

Active Incoming Connections: 1

Service SMF: 1

Service Web-Transport: 0

Service REST: 0

Service MQTT: 0

Active Outgoing Connections:

Service REST: 0

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Basic Authentication : Enabled

Auth Type: RADIUS authentication

Auth Profile: default

Radius Domain:

Client Certificate Authentication : Disabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

Allow API Provided Username: Disabled

Kerberos Authentication : Disabled

Allow API Provided Username: Disabled

Received Sent

-------------------- --------------------

Total Client Messages 6 2

Client Data Messages 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Large Messages 0

DTO Messages 0

Client Control Messages 6 2

Login 1 1

Denied Duplicate Clients 0

Denied Authorization Failed 0

Denied Client Connect ACL 0

Update 0 0

KeepAlive 0 0

Assured Control 0 0

Add Subscription Messages

Client Adds 7 2

Subscription Manager Adds 0 0

Already Exists 1

Not Enough Space 0

Max Exceeded 0

Parse Error 0

Denied Subscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Remove Subscription Messages

Client Removes 0 0

Subscription Manager Removes 0 0

Not Found 0

Parse Error 0

Denied Unsubscribe Topic ACL 0

Subscription Manager: No Permission 0

Subscription Manager: Client Name Not Found 0

Total Client Bytes 417 255

Client Data Bytes 0 0

Persistent 0 0

Non-persistent 0 0

Direct 0 0

Client Control Bytes 417 255

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Compression/Decompression Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Compressed Bytes 0 0

Uncompressed Bytes 0 0

Compression Ratio 0.00 0.00

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Compressed Rate (1 sec) 0 0

Uncompressed Rate (1 sec) 0 0

Compressed Rate (60 sec) 0 0

Uncompressed Rate (60 sec) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SSL Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Bytes 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Rate (1 sec) 0 0

Rate (60 sec) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

Topic Parse Error 0

Parse Error 0

Message Too Big 0

TTL Exceeded 0

Publish Topic ACL 0

Message Spool Congestion 0

Message Spool Ingress Discards 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Transmit Congestion 0

Compression Congestion 0

Elided 0

Client Not Connected 0

Message Spool Egress Discards 0

solace> show message-vpn blue subscriptions

Message VPN: blue

Configuration Status: Enabled

Local Status: Up

Distributed Cache Management: Enabled

SSL to plain text downgrade allowed: No

Total Local Unique Subscriptions: 6

Total Remote Unique Subscriptions: 0

Total Unique Subscriptions: 6

Maximum Subscriptions: 5000000

Export Subscriptions: No (100% complete)

Active Incoming Connections: 1

Service SMF: 1

Service Web-Transport: 0

Service REST: 0

Service MQTT: 0

Active Outgoing Connections:

Service REST: 0

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Basic Authentication : Enabled

Auth Type: RADIUS authentication

Auth Profile: default

Radius Domain:

Client Certificate Authentication : Disabled

Maximum Chain Depth: 3

Validate Certificate Dates: Enabled

Allow API Provided Username: Disabled

Kerberos Authentication : Disabled

Allow API Provided Username: Disabled

#Dests Redund

Type Subscription

------- ------ ------------

1 static #MCAST/>

1 static #SEMP/lab-129-91/>

1 static #P2P/v:lab-129-91/#client/>

1 static #SEMP/v:lab-129-91/>

1 static #P2P/lab-129-91/#client/>

1 primary a/b/c

**show ntp-server**

COMMAND:

ntp-server

DESCRIPTION:

Show the NTP server

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show ntp-server

NTP Server: 192.168.1.203

Reachable: yes

remote refid st t when poll reach delay offset jitter

==============================================================================

\*192.168.1.203 132.246.11.227 3 u 54 64 177 0.075 -27.704 14.315

**show paging**

COMMAND:

paging

DESCRIPTION:

Use this command to control the output page size for show commands. The no version disables paging.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show paging

Paging is disabled

Page size is 23

**show process**

COMMAND:

process [pid <pid>]

DESCRIPTION:

Show system process information. Given a pid, displays detailed information for that process.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

pid <pid> [1..4194303] - process ID

solace> show process

top - 15:24:26 up 11 min, 3 users, load average: 2.47, 1.89, 1.00

Tasks: 196 total, 1 running, 195 sleeping, 0 stopped, 0 zombie

%Cpu0 : 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

%Cpu1 : 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

%Cpu2 : 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

%Cpu3 : 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

%Cpu4 : 98.0 us, 0.0 sy, 0.0 ni, 0.0 id, 0.0 wa, 2.0 hi, 0.0 si, 0.0 st

%Cpu5 :100.0 us, 0.0 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

KiB Mem : 15367452 total, 7008668 free, 6253276 used, 2105508 buff/cache

KiB Swap: 2007996 total, 2007996 free, 0 used. 7962272 avail Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

6962 root 20 0 3201616 1.827g 633056 S 204.0 12.5 15:36.31 dataplane

4579 root 20 0 0 0 0 S 2.0 0.0 0:00.74 octeon\_poll

1 root 20 0 43956 5568 3632 S 0.0 0.0 0:01.12 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 20 0 0 0 0 S 0.0 0.0 0:00.20 ksoftirqd/0

5 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/0:+

7 root 20 0 0 0 0 S 0.0 0.0 0:00.09 rcu\_sched

8 root 20 0 0 0 0 S 0.0 0.0 0:00.00 rcu\_bh

9 root rt 0 0 0 0 S 0.0 0.0 0:00.00 migration/0

10 root rt 0 0 0 0 S 0.0 0.0 0:00.64 watchdog/0

11 root rt 0 0 0 0 S 0.0 0.0 0:00.00 watchdog/1

12 root rt 0 0 0 0 S 0.0 0.0 0:00.20 migration/1

13 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ksoftirqd/1

14 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/1:0

15 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/1:+

16 root rt 0 0 0 0 S 0.0 0.0 0:00.00 watchdog/2

17 root rt 0 0 0 0 S 0.0 0.0 0:00.00 migration/2

18 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ksoftirqd/2

19 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/2:0

20 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/2:+

21 root rt 0 0 0 0 S 0.0 0.0 0:00.00 watchdog/3

22 root rt 0 0 0 0 S 0.0 0.0 0:00.00 migration/3

23 root 20 0 0 0 0 S 0.0 0.0 0:00.02 ksoftirqd/3

25 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/3:+

26 root rt 0 0 0 0 S 0.0 0.0 0:00.00 watchdog/4

27 root rt 0 0 0 0 S 0.0 0.0 0:00.00 migration/4

28 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ksoftirqd/4

29 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/4:0

30 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/4:+

31 root rt 0 0 0 0 S 0.0 0.0 0:00.00 watchdog/5

32 root rt 0 0 0 0 S 0.0 0.0 0:00.00 migration/5

33 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ksoftirqd/5

34 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/5:0

35 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/5:+

36 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 khelper

37 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kdevtmpfs

38 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 netns

39 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 perf

40 root 20 0 0 0 0 S 0.0 0.0 0:00.00 khungtaskd

41 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 writeback

42 root 39 19 0 0 0 S 0.0 0.0 0:00.00 khugepaged

44 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 crypto

45 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kintegrityd

46 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

47 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kblockd

48 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 ata\_sff

49 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 md

50 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 edac-poller

51 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 rpciod

52 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/1:1

53 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/5:1

54 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/4:1

55 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/3:1

56 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/2:1

62 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kswapd0

63 root 20 0 0 0 0 S 0.0 0.0 0:00.00 fsnotify\_m+

64 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 nfsiod

65 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 xfsalloc

66 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 xfs\_mru\_ca+

75 root 39 19 0 0 0 S 0.0 0.0 0:08.28 kipmi0

76 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 ipmi\_po\_in+

77 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 acpi\_therm+

78 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 nvme

79 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kmpath\_rda+

80 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_0

81 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_0

82 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_1

83 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_1

84 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_2

85 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_2

86 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_3

87 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_3

88 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_4

89 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_4

90 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_5

91 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_5

92 root 20 0 0 0 0 S 0.0 0.0 0:00.36 kworker/u6+

94 root 20 0 0 0 0 S 0.0 0.0 0:00.23 kworker/u6+

96 root 20 0 0 0 0 S 0.0 0.0 0:00.04 kworker/u6+

98 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bnx2x

99 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bnx2x\_iov

100 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 sfc\_vfdi

101 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 sfc\_reset

102 root 20 0 0 0 0 S 0.0 0.0 0:04.66 kworker/0:2

103 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kpsmoused

104 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 raid5wq

105 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 dm\_bufio\_c+

106 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 ipv6\_addrc+

107 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/3:2

108 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

109 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 deferwq

112 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

113 root 20 0 0 0 0 S 0.0 0.0 0:00.01 md6\_raid1

116 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

117 root 20 0 0 0 0 S 0.0 0.0 0:00.00 md5\_raid1

120 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

121 root 20 0 0 0 0 S 0.0 0.0 0:00.00 md3\_raid1

124 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

125 root 20 0 0 0 0 S 0.0 0.0 0:00.00 md2\_raid1

128 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

129 root 20 0 0 0 0 S 0.0 0.0 0:00.00 md1\_raid1

130 root 20 0 0 0 0 S 0.0 0.0 0:00.00 jbd2/md3-8

131 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 ext4-rsv-c+

132 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/3:+

133 root 0 -20 0 0 0 S 0.0 0.0 0:11.99 kworker/0:+

155 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/1:2

156 root 20 0 36828 6672 6348 S 0.0 0.0 0:00.09 systemd-jo+

157 root 20 0 42852 2732 2456 S 0.0 0.0 0:00.00 dmeventd

160 root 20 0 118900 2936 2608 S 0.0 0.0 0:00.00 lvmetad

208 root 20 0 42100 3272 2680 S 0.0 0.0 0:00.43 systemd-ud+

225 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/0:3

322 root 20 0 0 0 0 S 0.0 0.0 0:00.00 jbd2/md1-8

323 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 ext4-rsv-c+

324 root 20 0 0 0 0 S 0.0 0.0 0:00.07 jbd2/md6-8

325 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 ext4-rsv-c+

347 dbus 20 0 28656 2696 2392 S 0.0 0.0 0:00.05 dbus-daemon

355 polkitd 20 0 531768 11116 7776 S 0.0 0.1 0:00.02 polkitd

357 root 20 0 553172 20708 9952 S 0.0 0.1 0:00.18 tuned

359 root 20 0 179672 21324 5372 S 0.0 0.1 0:00.21 oct-die-te+

360 root 20 0 24336 3744 3108 S 0.0 0.0 0:00.02 smartd

368 root 20 0 24200 2772 2468 S 0.0 0.0 0:00.01 systemd-lo+

372 root 20 0 126232 3048 2412 S 0.0 0.0 0:00.00 crond

382 root 20 0 7388 2076 1652 S 0.0 0.0 0:00.00 mdadm

386 root 20 0 22732 2052 1684 S 0.0 0.0 0:00.19 ipmievd

404 root 20 0 7080 1084 916 S 0.0 0.0 0:00.00 mcelog

429 root 20 0 110044 1636 1516 S 0.0 0.0 0:00.00 agetty

430 root 20 0 110044 2120 1992 S 0.0 0.0 0:00.00 agetty

434 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 lpfc\_worke+

435 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_6

436 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_6

438 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_wq\_6

482 root 20 0 115256 3092 2860 S 0.0 0.0 0:00.02 kickIpmiWa+

712 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 lag1

1715 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 lpfc\_worke+

1716 root 20 0 0 0 0 S 0.0 0.0 0:00.00 scsi\_eh\_7

1718 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_tmf\_7

1719 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 scsi\_wq\_7

1902 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kmpathd

1903 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kmpath\_han+

1953 root rt 0 585040 7632 6268 S 0.0 0.0 0:00.52 multipathd

1959 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

1960 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

1961 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

1962 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

1965 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

1966 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

1984 root 20 0 19020 1644 1428 S 0.0 0.0 0:00.00 solsyslogt+

1993 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

1995 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

1997 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

1998 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

2001 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

2003 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

2004 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

2006 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

2008 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

2010 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

2011 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kdmflush

2013 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 bioset

2461 root 20 0 66440 3056 2308 S 0.0 0.0 0:00.00 sshd

2488 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/2:+

2553 root 20 0 131160 7420 6296 S 0.0 0.0 0:00.04 sshd

2597 root 20 0 55288 3952 3216 S 0.0 0.0 0:00.00 sftp-server

2610 root 20 0 188404 88892 67968 S 0.0 0.6 0:00.08 solacedaem+

5624 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/1:+

6963 root 20 0 1354244 166892 72784 S 0.0 1.1 0:01.00 controlpla+

6964 root 20 0 3436108 2.424g 70164 S 0.0 16.5 0:00.92 smrp

6965 root 20 0 2263568 569972 287484 S 0.0 3.7 0:03.71 mgmtplane

6966 root 20 0 643776 200956 86992 S 0.0 1.3 0:02.55 xmlmanager

6967 root 20 0 735224 102312 72780 S 0.0 0.7 0:00.34 solsnmp

6968 root 20 0 2250876 1.551g 75384 S 0.0 10.6 0:01.11 trmmanager

6969 root 20 0 597464 102184 74840 S 0.0 0.7 0:00.34 msgbusadap+

6970 root 20 0 544236 175416 70156 S 0.0 1.1 0:00.14 solcachemgr

6971 root 20 0 441980 180884 156520 S 0.0 1.2 0:00.12 dnsmanager

6972 root 20 0 433628 93716 69400 S 0.0 0.6 0:00.10 watchdog

7372 root 20 0 256404 41744 12892 S 0.0 0.3 0:08.45 uwsgi

7373 root 20 0 110360 12460 9668 S 0.0 0.1 0:00.02 nginx

7557 root 20 0 131020 7504 6372 S 0.0 0.0 0:00.23 sshd

7591 root 20 0 122508 4380 3200 S 0.0 0.0 0:03.25 bash

8090 ntp 20 0 29436 4464 3876 S 0.0 0.0 0:00.00 ntpd

8602 root 20 0 131020 7484 6352 S 0.0 0.0 0:00.00 sshd

8627 admin 20 0 131020 3480 2348 S 0.0 0.0 0:00.00 sshd

8640 admin 20 0 550296 114320 81532 S 0.0 0.7 0:00.27 cli

8666 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 dio/md6

8820 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/0:1

10979 root 20 0 272604 3408 2868 S 0.0 0.0 0:00.41 rsyslogd

11186 nginx 20 0 112884 7816 4696 S 0.0 0.1 0:00.02 nginx

11315 root 20 0 256404 32272 3420 S 0.0 0.2 0:00.00 uwsgi

14092 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kworker/0:0

14257 root 20 0 131020 7452 6324 S 0.0 0.0 0:00.00 sshd

14282 admin 20 0 131020 3604 2476 S 0.0 0.0 0:02.33 sshd

14295 admin 20 0 552852 121048 86516 S 0.0 0.8 0:03.75 cli

14427 root 20 0 107904 716 644 S 0.0 0.0 0:00.00 sleep

14558 admin 20 0 9516 2388 2240 S 0.0 0.0 0:00.00 sh

14559 admin 20 0 26344 3912 3332 S 0.0 0.0 0:00.00 top-fix

14560 admin 20 0 54120 3956 3284 R 0.0 0.0 0:00.00 top

solace> show process pid 1

PID 1

USER root

PRI 19

NI 0

VSZ 43956

RSS 5568

STAT Ss

%CPU 0.1

%MEM 0.0

TIME 00:00:01

CPU -

CMD /sbin/init

**show product-key**

COMMAND:

product-key

DESCRIPTION:

Show installed product-keys and the features they unlock

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show product-key

Product Key : xxxxxxxx

Unlocked Features : 1

WEB Transport Service

Product Key : xxxxxxxx

Unlocked Features : 1

Message Queuing Telemetry Transport

Product Key : xxxxxxxx

Unlocked Features : 1

SolCache

**show queue**

COMMAND:

queue <name> [message-vpn <vpn-name>] [stats | messages [oldest | newest] [msg-id <msg-id>] | subscriptions | rates | sort-by-messages-spooled | sort-by-unacked-messages-spooled | dead-message-queue <dmq-filter> [dmq-list]] [durable | non-durable] [detail] [flow <flow-id>] [count <num-elements>]

DESCRIPTION:

Show queue information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [1..200 chars] - Queue name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats - Show queue statistics messages - Show message spool messages oldest - Show message spool ordered from oldest to newest messages newest - Show message spool ordered from newest to oldest messages msg-id <msg-id> [1..18446744073709551615] - Show message spool starting from this msg-id subscriptions - Show subscriptions associated with the queue rates - Show rates associated with the queue sort-by-messages-spooled - Sort the output in descending order of number of messages spooled sort-by-unacked-messages-spooled - Sort the output in descending order of number of unacked messages spooled dead-message-queue <dmq-filter> [1..200 chars] - Shows only those queues that use <dmq-filter> as their dead-message queue; may contain wildcards dmq-list - Show the queues associated with the dead-message-queue durable - Show durable queues only non-durable - Show non-durable queues only detail - Show detailed information flow <flow-id> [0..4294967295] - Flow id to be displayed count <num-elements> [1..4294967295] - The number of elements to display.

solace> show queue testqueue message-vpn blue detail

Name : testqueue

Message VPN : blue

Durability : Durable

Id : 2145

Type : Primary

Admin Ingress : Down

Admin Egress : Down

Access Type : Exclusive

Owner :

Created by mgmt : Yes

All Others Permission : No-Access (0000)

Quota (MB) : 4000

Respect TTL : No

Max TTL (Seconds) : 0 (Disabled)

Reject Msg to Sender on Discard : Yes

Including When Shutdown : No

Bind Time Forwarding Mode : Store-And-Forward

Current Messages Spooled : 0

Current Spool Usage (MB) : 0.0000

High Water Mark (MB) : 0.0000

Total Delivered Unacked Msgs : 0

Max Delivered Unacked Msgs Per Flow : 10000

Total Acknowledgments In-Progress : 0

Max Redelivery : 0

Consumer Ack Propagation : Yes

Reject Low-Priority-Msg : No

Reject Low-Priority-Msg Limit : 0

Low-Priority-Msg Congestion State : Disabled

Oldest Msg Id in Spool : N/A

Newest Msg Id in Spool : N/A

Max Msg Size Allowed (B) : 10000000

Bind Count : 0

Max Bind Count : 1000

Topic Subscription Count : 0

Network Topic : #P2P/QUE/testqueue

Egress Selector Present : No

Dead Message Queue : #DEAD\_MSG\_QUEUE

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Bind count 80%(800) 60%(600)

Spool usage (MB) 80%(3200) 60%(2400)

Reject Low-Priority-Msg Limit 80%(0) 60%(0)

solace> show queue testqueue message-vpn blue rates detail

Queue Name Ingress Egress

Message VPN bytes/sec msg/sec bytes/sec msg/sec

------------------------------------- ----------- -------- ----------- --------

testqueue

blue

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

-------------------------------------------------------------------------------

TOTAL

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

solace> show queue testqueue message-vpn blue stats detail

Name: testqueue

Message VPN: blue

Message Spool Statistics (since reload/clear)

Last Message Id Spooled: 0

Low Message Id Ack Rcv: 0

High Message Id Ack Rcv: 0

Messages Redelivered: 0

Bytes Spooled: 0

Messages Spooled: 0

Ingress Spool Discard Statistics

Spool Usage Exceeded: 0

Max. Message Size Exceeded: 0

Spool Shutdown Discard: 0

User Profile Deny Guaranteed: 0

No Local Delivery Discard: 0

Destination Group Error: 0

Low-Priority-Msg Congestion Discard: 0

Egress Spool Discard Statistics

Messages Deleted: 0

Messages Expired To Discard: 0

Messages Expired To DMQ: 0

Messages Expired To DMQ Failed: 0

Max Redelivery Exceeded To Discard: 0

Max Redelivery Exceeded To DMQ: 0

Max Redelivery Exceeded To DMQ Failed: 0

TTL Exceeded To Discard: 0

Replication Statistics

Active Statistics

Ack Propagation Messages Sent: 0

Standby Statistics

Messages Received From Active: 0

Messages Acked Via Ack Propagation: 0

Ack Propagation Messages Received: 0

Egress Flow Statistics

No Active Egress Flow

Client Bind Statistics

Client Bind Requests: 0

Client Bind Responses: 0

OK: 0

Already Bound: 0

Exceeded Clients: 0

Queue/TE Shutdown: 0

Invalid Selector: 0

Other: 0

solace> show queue testqueue message-vpn blue subscriptions detail

Name : testqueue

Message VPN : blue

Durability : Durable

Id : 2145

Type : Primary

Admin Ingress : Down

Admin Egress : Down

Access Type : Exclusive

Owner :

Created by mgmt : Yes

All Others Permission : No-Access (0000)

Quota (MB) : 4000

Respect TTL : No

Max TTL (Seconds) : 0 (Disabled)

Reject Msg to Sender on Discard : Yes

Including When Shutdown : No

Bind Time Forwarding Mode : Store-And-Forward

Current Messages Spooled : 0

Current Spool Usage (MB) : 0.0000

High Water Mark (MB) : 0.0000

Total Delivered Unacked Msgs : 0

Max Delivered Unacked Msgs Per Flow : 10000

Total Acknowledgments In-Progress : 0

Max Redelivery : 0

Consumer Ack Propagation : Yes

Reject Low-Priority-Msg : No

Reject Low-Priority-Msg Limit : 0

Low-Priority-Msg Congestion State : Disabled

Oldest Msg Id in Spool : N/A

Newest Msg Id in Spool : N/A

Max Msg Size Allowed (B) : 10000000

Bind Count : 0

Max Bind Count : 1000

Topic Subscription Count : 0

Network Topic : #P2P/QUE/testqueue

Egress Selector Present : No

Dead Message Queue : #DEAD\_MSG\_QUEUE

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Bind count 80%(800) 60%(600)

Spool usage (MB) 80%(3200) 60%(2400)

Reject Low-Priority-Msg Limit 80%(0) 60%(0)

Creator Subscription

------- ----------------------------------------------------------------------

**show radius-profile**

COMMAND:

radius-profile <profile-name> [detail | stats]

DESCRIPTION:

Show radius profile settings

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<profile-name> [1..32 chars] - Radius profile name. May contain wildcards \* and ?. detail - Show detailed radius-profile information stats - Show radius-profile statistics

solace> show radius-profile default

Radius Profile Name: default

Shutdown: Yes

Retransmit: 3 attempts/server

Timeout: 5 secs/attempt

Index | Radius Servers

------+---------------------

1 |N/A

2 |N/A

3 |N/A

solace> show radius-profile default detail

Radius Profile Name: default

Shutdown: Yes

Retransmit: 3 attempts/server

Timeout: 5 secs/attempt

Radius Server:

Host: N/A Index 1

-------- Last reply message --------

------------------------------------

Radius Server:

Host: N/A Index 2

-------- Last reply message --------

------------------------------------

Radius Server:

Host: N/A Index 3

-------- Last reply message --------

------------------------------------

solace> show radius-profile default stats

Radius Profile: default

Host | Requests | Requests | Timeouts | Server | Errors

| Accepted | Rejected | | Unavail |

----------------------+----------+----------+----------+----------+---------

N/A | 0 | 0 | 0 | 0 | 0

N/A | 0 | 0 | 0 | 0 | 0

N/A | 0 | 0 | 0 | 0 | 0

**show redundancy**

COMMAND:

redundancy [detail]

DESCRIPTION:

Show redundancy configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

detail - show detailed information

OUTPUT:

show redundancy (General Status Items) Activity Status - Indicates whether the local router is active for the VRID. Values: Local Active, Mate Active. VRRP Status - Indicates whether the local router owns the VRID from the viewpoint of the VRRP. Values: Master, Backup. Local Priority - The priority the local router is announcing for the VRID. Values: Assert Activity, Active, Standby, Primary Reconcile, Backup Reconcile, Release. show redundancy (Local Priority Levels) Assert-Activity - The priority level the virtual router uses when it wants to assert itself as the 'master' of the VRID. After a timeout period, when the virtual router is sure that the mate router does not claim to be the Master, the local priority value for the virtual router is reduced to Active. Active - The normal priority level to indicate that the virtual router is currently active. Standby - The priority level that a backup virtual router uses to advertise that it is not currently active, but it is capable of taking activity if the primary virtual router unavailable. Primary-Reconcile - The priority level that a virtual router uses on start up, to ensure that it does not take activity before it is ready. Backup-Reconcile - The priority level that a backup virtual router uses to indicate that it is initializing, and it will not be able to take activity even if the primary virtual router is unavailable. Release - The priority level that a virtual router uses to indicate that it is no longer willing to act on behalf of the IP address. This priority level is advertised when the release-activity Router Redundancy CONFIG command is used. It is also the priority advertised for the backup virtual router whenever the redundancy feature is shutdown on the virtual router. show redundancy (Activity Status Items) Redundancy Status - Indicates whether the redundancy facility believes the router is in a state where it could provide service for the VRID. Values: Up, Down. SMRP Status - Indicates whether SMRP is ready to provide service for the VRID. Values: Ready, Not Ready. Db Build Status - Whenever a router is restarted while running Multi-Node Routing, SMRP needs to learn of the topic subscriptions it is to become active for. It does this by synchronizing its database with its neighbor routers. This value indicates the status of this SMRP synchronization. Values: Ready, Not Ready. Db Sync Status - Whenever redundancy is enabled on a router, it can take SMRP up to one minute to initialize its database to the state required of it for taking activity from its mate router on demand. This value indicates the readiness of SMRP to take such activity. Values: Ready, Not Ready. Internal Priority - The priority of the VRID within the redundancy facility. Values: Assert Activity, Active, Standby, Primary Reconcile, Backup Reconcile, Release. Internal Activity Status - An indication of whether the local or mate router should be active, based solely on priorities exchanged between routers. Due to debounce timers, and the need for the mate router to acknowledge activity switches, this status can be different than the overall activity status for the VRID. Values: Local Active, Mate Active. Internal Redundancy State - The internal state of the Redundancy facility. Values: Primary-NotReady, Primary-WaitForLA, Primary-Active, Primary-Assert, Primary-Shutdown, Bkup-NotReady, Bkup-Standby, Bkup-DebounceLA, Bkup-Active, Bkup-Assert, Bkup-Shutdown. show redundancy (Redundancy Status Items) Redundancy Config Status - The operator-configured state of the Redundancy facility. Values: Enabled, Release, Shutdown. Message Spool Status - The readiness of the message spooler to provide Guaranteed Messaging. Values: Ready, Not Ready. show redundancy (CSMP Status Items) Internal Redundancy Status - The internal state of the CSMP Redundancy facility. Values: Primary-Shutdown, Bkup-Shutdown, LA-WaitForCspfLink, LA-WaitForDsdbSync, LA-CsmpReady, MA-WaitForDsdbSync, MA-CsmpReady, MA-CspfDownDebounce. show redundancy (Message Spool Status Items) Message Spool Config Status - The operator-configured status of message spooling on the Guaranteed Messaging VRID. Values: Enabled, Shutdown. VRID Config Status - Indicates whether the local Guaranteed Messaging VRID configuration matches what has been reported by the ADB. Values: Ready, Config Mismatch. ADB Status - Indicates the high-level status of the ADB. Values: Ready, Not Ready. Flash Module Status - Indicates the high-level status of the Flash Memory Module on the ADB. Values: Ready, Not Ready. Power Module Status - Indicates the high-level status of the power module on the ADB. Values: Ready, Not Ready. ADB Contents - Indicates whether the contents of the ADB appear to be valid. Values: Invalid, Stale, Ready. Disk Status - Indicates the status of the external disk storage array. Values: Ready, Not Ready. Disk Contents - Indicates whether the spool file directory on the external disk storage array appears to be valid. This value will generally be Unknown on a router that is not active. Values: Unknown, Mount Error, Invalid, Stale, Ready. ADB Datapath Status - Indicates the high-level status of the power module on the ADB. Values: Ready, Not Ready. ADB Contents - Indicates whether the contents of the ADB appear to be valid. Values: Invalid, Stale, Ready.

solace> show redundancy detail

Configuration Status : Shutdown

Redundancy Status : Up

Auto Revert : No

Redundancy Mode : N/A

Mate Router Name :

ADB Link To Mate : Down

ADB Hello To Mate : Down

Primary Virtual Router Backup Virtual Router

---------------------- ----------------------

Activity Status Local Active Shutdown

Routing Interface 1/6/lag1:1

VRRP VRID

Routing Interface Status

VRRP Status

VRRP Priority

Message Spool Status

Priority Reported By Mate:

CSPF

ADB Hello Protocol

VRRP

Activity Status:

Operational Status

Redundancy Config Status

Message Spool Status

SMRP Status Ready

Db Build Status Ready

Db Sync Status Ready

Internal Priority

Internal Activity Status

Internal Redundancy State

Message Spool Status:

Message Spool Config Status

VRID Config Status -

ADB Status -

Flash Module Status -

Power Module Status -

ADB Contents -

Local Contents Key -

Mate Contents Key -

Schema Match -

Disk Status -

Disk Contents -

Disk Key (Primary) -

Disk Key (Backup) -

ADB Datapath Status -

Internal Redundancy State

VRID Config Parameter Local Configuration Received From Mate

----------------------------- ---------------------- ----------------------

\*Primary VRID 192.168.164.191

Backup VRID

\*AD-Enabled VRID 192.168.164.191

Disk WWN:

Local: N/A

Received From Mate: N/A

\* - indicates configuration mismatch between local and mate router

**show replicated-topic**

COMMAND:

replicated-topic <topic> [message-vpn <vpn-name>] [replication-mode {sync | async}] [count <num-elements>]

DESCRIPTION:

Show replicated-topic information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<topic> [string] - Topic pattern, can contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? replication-mode - Only this replication-mode sync - Synchronous replication-mode async - Asynchronous replication-mode count <num-elements> [1..4294967295] - The number of elements to display.

solace> show replicated-topic a

Message VPN: blue

Replication

Topic Mode

------------------------------------------------------------------ -----------

a async

solace> show replicated-topic a message-vpn blue

Message VPN: blue

Replication

Topic Mode

------------------------------------------------------------------ -----------

a async

**show replication**

COMMAND:

replication [stats]

DESCRIPTION:

Show global replication information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

stats - Show stats.

solace> show replication

Replication Interface:

Replication Mate:

Connect-Via:

Connect-Ports:

Plain Text: 55555

Compressed: 55003

SSL: 55443

SSL:

Default Cipher Suite List: No

Cipher Suites: AES256-SHA256

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES128-SHA

DES-CBC3-SHA

Trusted Common Names: repTCN1

repTCN2

repTCN3

repTCN4

repTCN5

repTCN6

repTCN7

a28

ConfigSync:

Bridge:

Admin State: Enabled

State: n/a

Authentication:

Scheme: Client-Certificate

Compressed: No

SSL: Yes

Message Spool:

Window Size: 65535

Retry Delay: 3

SSL Server Certificate Validation:

Enforce Trusted Common Name: No

Maximum Chain Depth: 5

Validate Certificate Dates: No

solace> show replication stats

Replication Interface:

Replication Mate:

Connect-Via:

Connect-Ports:

Plain Text: 55555

Compressed: 55003

SSL: 55443

SSL:

Default Cipher Suite List: No

Cipher Suites: AES256-SHA256

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES128-SHA

DES-CBC3-SHA

Trusted Common Names: repTCN1

repTCN2

repTCN3

repTCN4

repTCN5

repTCN6

repTCN7

a28

ConfigSync:

Bridge:

Admin State: Enabled

State: n/a

Authentication:

Scheme: Client-Certificate

Compressed: No

SSL: Yes

Message Spool:

Window Size: 65535

Retry Delay: 3

SSL Server Certificate Validation:

Enforce Trusted Common Name: No

Maximum Chain Depth: 5

Validate Certificate Dates: No

Statistics While Active:

Message Processing:

Sync Messages Queued To Standby: 0

Sync Messages Queued To Standby As Async: 0

Async Messages Queued To Standby: 0

Promoted Messages Queued To Standby: 0

Pruned Locally Consumed Messages: 0

Sync Replication:

Transitions To Ineligible: 0

Ack Propagation:

Messages Sent To Standby: 0

Reconcile Request From Standby: 0

Reconcile Scan in Progress: No

Statistics While Standby:

Message Processing:

Messages Received From Active: 0

Ack Propagation:

Messages Received from Active: 0

Reconcile Request Sent to Active: 0

Out of Sequence Ack Received: 0

Transaction Replication:

Transactions Requests: 0

Success: 0

Prepare: 0

Commit: 0

Rollback: 0

Fail: 0

Prepare: 0

Commit: 0

Rollback: 0

**show router-name**

COMMAND:

router-name

DESCRIPTION:

Show router's name

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show router-name

Router Name: lab-129-91

Mirroring Hostname: Yes

Deferred Router Name: lab-129-91

Mirroring Hostname: Yes

**show routing**

COMMAND:

routing

DESCRIPTION:

Show routing configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show routing

Enabled: Yes

Routing Interface: 1/6/lag1

# Conflicting Router Names Detected: 0

**show sequenced-topic**

COMMAND:

sequenced-topic <topic> [message-vpn <vpn-name>] [count <num-elements>]

DESCRIPTION:

Show sequenced-topic information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<topic> [string] - Topic pattern, can contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? count <num-elements> [1..4294967295] - The number of elements to display.

solace> show sequenced-topic \*

Sequenced Topic

Message VPN Next Sequence Number

-------------------------------------------------------- --------------------

topic1/a

vpn\_41 1

solace> show sequenced-topic \* count 1

Sequenced Topic

Message VPN Next Sequence Number

-------------------------------------------------------- --------------------

topic1/a

vpn\_41 1

**show service**

COMMAND:

service [web-transport]

DESCRIPTION:

Show the port configuration for the protocols/services supported

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

web-transport - Show the web transport service configuration.

solace> show service

Msg-Backbone: Enabled

SMF: Enabled

Web-Transport: Enabled

REST Incoming: Enabled

REST Outgoing: Enabled

MQTT: Enabled

Max Incoming Connections: 6000

Service SMF: 6000

Service Web-Transport: 6000

Service REST: 6000

Service MQTT: 6000

Max Outgoing Connections:

Service REST: 6000

Max SSL Connections: 6000

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Incoming Connections 61%(3660) 11%(660)

Service SMF 86%(5160) 5%(300)

Outgoing Connections

Service REST 4771 1452

SSL Connections 80%(4800) 60%(3600)

Flags Legend:

TP - Transport

S - SSL (Y=Yes, N=No, -=not-applicable)

C - Compressed (Y=Yes, N=No, -=not-applicable)

R - Routing Ctrl (Y=Yes, N=No, -=not-applicable)

VRF - VRF (Mgmt=management, MsgBB=msg-backbone)

A - Admin State (U=Up, D=Down, -=not-applicable)

O - Oper State (U=Up, D=Down, -=not-applicable)

Status

Service TP S C R VRF MsgVpn Port A O Failed Reason

-------- --- ----- ----- --------------- ----- --- ---------------------------

SEMP TCP N - - Mgmt 80 U U

SEMP TCP Y - - Mgmt 443 U U

SMF TCP N N N MsgBB 55555 U U

SMF TCP N Y N MsgBB 55003 U U

SMF TCP N N Y MsgBB 55556 U U

SMF TCP Y N N MsgBB 55443 U U

SMF WEB N - - MsgBB 81 U U

SMF WEB Y - - MsgBB 444 U U

MQTT TCP N - - MsgBB genConfig\_messageVpn1 65499 D D Disabled at Vpn

MQTT TCP Y - - MsgBB genConfig\_messageVpn1 10000 D D Disabled at Vpn

MQTT WEB N - - MsgBB genConfig\_messageVpn1 11 D D Disabled at Vpn

MQTT WEB Y - - MsgBB genConfig\_messageVpn1 9999 U U

MQTT TCP N - - MsgBB genConfig\_messageVpn2 63000 D D Disabled at Vpn

MQTT TCP Y - - MsgBB genConfig\_messageVpn2 63001 U U

MQTT WEB N - - MsgBB genConfig\_messageVpn2 63002 U U

MQTT WEB Y - - MsgBB genConfig\_messageVpn2 63003 U U

MQTT TCP N - - MsgBB vpn\_42 6001 U U

REST WEB N - - MsgBB genConfig\_messa 65535 U U

geVpn1

REST WEB Y - - MsgBB genConfig\_messa 1 D D Disabled at Vpn

geVpn1

REST WEB N - - MsgBB genConfig\_messa 2 D D Disabled at Vpn

geVpn2

REST WEB Y - - MsgBB genConfig\_messa 65534 U U

geVpn2

solace> show service web-transport

Service: WEB

Config Status: Enabled

Oper Status (Plain-text): Up

Oper Status (SSL): Up

VRF: msg-backbone

Port (Plain-text): 81

Port (SSL): 444

Web URL Suffix: ?router=solace

**show session**

COMMAND:

session

DESCRIPTION:

Show information regarding currently active CLI sessions.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none Notes/Exceptions: global/admin is required to see any session belonging to someone else's username.

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show session

Session User From Login Idle Timeout

-------- ------- ---------------- ------------------- --------------- --------

1 admin 192.168.128.254 2017-03-30 15:17:15 0d 0h 0m 57s 0

\* 2 admin 192.168.128.254 2017-03-30 15:24:04 0d 0h 0m 1s 0

\* indicates current session

**show smrp database**

COMMAND:

smrp database [router-name <router-name>] [detail]

DESCRIPTION:

Show SMRP database information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

router-name <router-name> [1..52 chars] - Router name; may contain wildcards \* and ? detail - Display detailed information on router.

solace> show smrp database

Total # Subscriptions : 356

Total # Exported Subscriptions : 15

Total Block Utilization Efficiency : 1.00%

Total # Blocks Used : 3 of 4194304 (0.00%)

Total # BlockIDs Used

Primary : 0 of 32768 (0.00%)

Backup : 0 of 32768 (0.00%)

Static : 3 of 32768 (0.01%)

Total # General Buffers Used : 1730 of 50331648 (0.00%)

Router Name Timer #Queued #Subs #Blocks Block

A=Age-out Requests Util

C=Cleanup Effcy

--------------------------------- --------- -------- -------- -------- ------

lab-129-91 - 0 15 3 1.0%

v:lab-129-91 - 0 0 0 0.0%

solace> show smrp database detail

Total # Subscriptions : 356

Total # Exported Subscriptions : 15

Total Block Utilization Efficiency : 1.00%

Total # Blocks Used : 3 of 4194304 (0.00%)

Total # BlockIDs Used

Primary : 0 of 32768 (0.00%)

Backup : 0 of 32768 (0.00%)

Static : 3 of 32768 (0.01%)

Total # General Buffers Used : 1730 of 50331648 (0.00%)

Router Name : lab-129-91

Block Summary Checksum : 0x201f999f

Block Summary Checksum Last Updated : Mar 30 2017 15:24:20

Db Summary Last Received : -

Synchronized with Last DbSummary : -

Age-out Timer : -

Cleanup Hold Down Timer : -

Total # Subscriptions : 15

Persistent : 0

Non-Persistent : 15

Total # of Blocks : 3

Persistent : 0

Non-Persistent : 3

Total Block Utilization Efficiency : 1.00%

Persistent : 0.00%

Non-Persistent : 1.00%

Router Name : v:lab-129-91

Block Summary Checksum : 0xffffffff

Block Summary Checksum Last Updated : Mar 30 2017 15:24:20

Db Summary Last Received : -

Synchronized with Last DbSummary : -

Age-out Timer : -

Cleanup Hold Down Timer : -

Total # Subscriptions : 0

Persistent : 0

Non-Persistent : 0

Total # of Blocks : 0

Persistent : 0

Non-Persistent : 0

Total Block Utilization Efficiency : 0.00%

Persistent : 0.00%

Non-Persistent : 0.00%

**show smrp route**

COMMAND:

smrp route topic <topic-string> [message-vpn <vpn-name>] [destination-name <destination-name>] [client] [queue] [remote-router] [primary] [backup] [static] [persistent | non-persistent]

DESCRIPTION:

Show SMRP routing information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

topic <topic-string> [1..250 chars] - Topic to display route information about message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? destination-name <destination-name> [1..160 chars] - Only show routes to the specified destination. May contain '\*' and '?' wildcards client - Only show routes to local clients queue - Only show routes to local queues remote-router - Only show routes to remote routers primary - Only show routes to primary local destinations backup - Only show routes to backup local destinations static - Only show routes to static local destinations persistent - Only show routes for persistent topics non-persistent - Only show routes for non-persistent topics

**show smrp stats**

COMMAND:

smrp stats [router-name [<router-name>]]

DESCRIPTION:

Show SMRP statistics. Global stats across all router names are shown if no router-name is specified otherwise router-name specific stats are shown.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

router-name <router-name> [1..52 chars] - Router name; may contain wildcards \* and ?

solace> show smrp stats

Packet Type Packets Tx Bytes Tx Packets Rx Bytes Rx

---------------- ---------- -------------------- ---------- --------------------

DbSummary 0 0 0 0

BlockSummary 0 0 0 0

BlockSummaryReq 0 0 0 0

BlockContents 0 0 0 0

BlockContentsReq 0 0 0 0

BlockDeltaUpdate 0 0 0 0

SMRP Errors/Warning

Unexpected Protocol Version Received : 0

Unexpected Packet Type Received : 0

Packet Parse Error : 0

SMRP Information

Block Key Mismatch Detected : 0

BlockSummary Checksum Failure in DbSummary : 0

BlockSummary Locally Ignored Requests Pending : 0

BlockDeltaUpdate Sequence # Too Large : 0

**show smrp subscription-block**

COMMAND:

smrp subscription-block [router-name <router-name>] [block-id <block-id>] [message-vpn <vpn-name>] [persistent | non-persistent] [detail]

DESCRIPTION:

Show SMRP subscription-block information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

router-name <router-name> [1..52 chars] - Router name; may contain wildcards \* and ? block-id <block-id> [1..127] - (output filter) range indicating which block numbers to display. Range example: 0-23,33,39 - display any blocks from 0 through 23 inclusive as well as blocks 33, and 39 (if they exist). Default is all blocks if left unspecified. message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? persistent - Only show persistent subscription block non-persistent - Only show non-persistent subscription block detail - Display detailed information on subscription block.

solace> show smrp subscription-block detail

Router Name : lab-129-91

BlockID : 0

Message VPN : default

Block Key : 0xc48ded5b97c89326

Sequence # : 1

Block Utilization Efficiency : 1.0%

Contents Last Updated : Mar 30 2017 15:16:53

Last Updated by : primary

# Subscriptions : 5

Ref Subscription

Count

----- ----------------------------------------------------------------------

1 #MCAST/>

1 #SEMP/lab-129-91/>

1 #P2P/v:lab-129-91/#client/>

1 #SEMP/v:lab-129-91/>

1 #P2P/lab-129-91/#client/>

Router Name : lab-129-91

BlockID : 1

Message VPN : genConfig\_messageVpn1

Block Key : 0xc48ded5b97c89326

Sequence # : 1

Block Utilization Efficiency : 1.0%

Contents Last Updated : Mar 30 2017 15:21:20

Last Updated by : primary

# Subscriptions : 5

Ref Subscription

Count

----- ----------------------------------------------------------------------

1 #MCAST/>

1 #SEMP/lab-129-91/>

1 #P2P/v:lab-129-91/#client/>

1 #SEMP/v:lab-129-91/>

1 #P2P/lab-129-91/#client/>

Router Name : lab-129-91

BlockID : 2

Message VPN : genConfig\_messageVpn

Block Key : 0xc48ded5b97c89326

Sequence # : 1

Block Utilization Efficiency : 1.0%

Contents Last Updated : Mar 30 2017 15:21:44

Last Updated by : primary

# Subscriptions : 5

Ref Subscription

Count

----- ----------------------------------------------------------------------

1 #MCAST/>

1 #SEMP/lab-129-91/>

1 #P2P/v:lab-129-91/#client/>

1 #SEMP/v:lab-129-91/>

1 #P2P/lab-129-91/#client/>

**show smrp subscriptions**

COMMAND:

smrp subscriptions [message-vpn <vpn-name>] [destination-name <destination-name>] [client] [queue] [remote-router] [primary] [backup] [static] [{[dto-priority <priority>] [topic <topic-str>] [persistent | non-persistent]} | {summary}]

DESCRIPTION:

Show SMRP subscription information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? destination-name <destination-name> [1..160 chars] - Only show subscriptions from the specified destination. May contain '\*' and '?' wildcards client - Only show subscriptions from local clients queue - Only show subscriptions from local queues remote-router - Only show subscriptions from remote routers primary - Only show subscriptions from primary local destinations backup - Only show subscriptions from backup local destinations static - Only show subscriptions from static local destinations dto-priority <priority> [P1..P4 or DA] - Only show subscription with this priority topic <topic-str> [1..250 chars] - A topic of the form a/b/c. '\*' and '?' wildcards are allowed persistent - Only show persistent subscription non-persistent - Only show routes for non-persistent topics summary - Show per-destination summary information

solace> show smrp subscriptions

Flags Legend:

T - Destination Type (C=local-client, Q=local-queue

R=remote-router)

P - Subscription Persistence (P=persistent, N=non-persistent)

R - Redundancy Type for Local Destinations (P=primary, B=backup

S=static -=not-applicable)

Message VPN : authenticationdefnonevpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : authenticationdefreadonlyvpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : authenticationdefreadwritevpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : authenticationldapnonevpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : authenticationldapreadonlyvpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : authenticationldapreadwritevpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : blue (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

#mqtt/mqttSession/4 C N P - DA a/b/c

Message VPN : default (exported: Yes; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S 0 P1 #MCAST/>

#client C N S 0 P1 #SEMP/lab-129-91/>

#client C N S 0 P1 #P2P/v:lab-129-91/#client/>

#client C N S 0 P1 #SEMP/v:lab-129-91/>

#client C N S 0 P1 #P2P/lab-129-91/#client/>

Message VPN : genConfig\_messageVpn (exported: Yes; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S 2 P1 #MCAST/>

#client C N S 2 P1 #SEMP/lab-129-91/>

#client C N S 2 P1 #P2P/v:lab-129-91/#client/>

#client C N S 2 P1 #SEMP/v:lab-129-91/>

#client C N S 2 P1 #P2P/lab-129-91/#client/>

Message VPN : genConfig\_messageVpn1 (exported: Yes; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S 1 P1 #MCAST/>

#client C N S 1 P1 #SEMP/lab-129-91/>

#client C N S 1 P1 #P2P/v:lab-129-91/#client/>

#client C N S 1 P1 #SEMP/v:lab-129-91/>

#client C N S 1 P1 #P2P/lab-129-91/#client/>

Message VPN : genConfig\_messageVpn2 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : usernamenonevpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : usernamereadonlyvpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : usernamereadwritevpn (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

Message VPN : vpn\_1 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_1000001 C N P - P1 #P2P/v:lab-129-91/adUser\_1000001/>

dev216/3201/#000f0003 C N P - P1 #P2P/v:lab-129-91/dev216/3201/#000f0

003/>

Message VPN : vpn\_10 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_10000001 C N P - P1 #P2P/v:lab-129-91/adUser\_10000001/>

Message VPN : vpn\_11 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_11000001 C N P - P1 #P2P/v:lab-129-91/adUser\_11000001/>

Message VPN : vpn\_12 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_12000001 C N P - P1 #P2P/v:lab-129-91/adUser\_12000001/>

q\_12 Q P P - DA a

q\_12 Q P P - DA b

q\_12 Q P P - DA c

q\_12 Q P P - DA d

q\_12 Q P P - DA e

q\_12 Q P P - DA f

Message VPN : vpn\_13 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_13000001 C N P - P1 #P2P/v:lab-129-91/adUser\_13000001/>

q\_13 Q P P - DA a

q\_13 Q P P - DA b

q\_13 Q P P - DA c

q\_13 Q P P - DA d

q\_13 Q P P - DA e

q\_13 Q P P - DA f

Message VPN : vpn\_14 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_14000001 C N P - P1 #P2P/v:lab-129-91/adUser\_14000001/>

Message VPN : vpn\_15 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_15000001 C N P - P1 #P2P/v:lab-129-91/adUser\_15000001/>

Message VPN : vpn\_16 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_16000001 C N P - P1 #P2P/v:lab-129-91/adUser\_16000001/>

Message VPN : vpn\_17 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_17000001 C N P - P1 #P2P/v:lab-129-91/adUser\_17000001/>

Message VPN : vpn\_18 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_18000001 C N P - P1 #P2P/v:lab-129-91/adUser\_18000001/>

Message VPN : vpn\_19 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_19000001 C N P - P1 #P2P/v:lab-129-91/adUser\_19000001/>

Message VPN : vpn\_2 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_2000001 C N P - P1 #P2P/v:lab-129-91/adUser\_2000001/>

Message VPN : vpn\_20 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_20000001 C N P - P1 #P2P/v:lab-129-91/adUser\_20000001/>

Message VPN : vpn\_21 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_21000001 C N P - P1 #P2P/v:lab-129-91/adUser\_21000001/>

Message VPN : vpn\_22 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_22000001 C N P - P1 #P2P/v:lab-129-91/adUser\_22000001/>

Message VPN : vpn\_23 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_23000001 C N P - P1 #P2P/v:lab-129-91/adUser\_23000001/>

Message VPN : vpn\_24 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_24000001 C N P - P1 #P2P/v:lab-129-91/adUser\_24000001/>

dev216/31867/#00290001 C N P - P1 #P2P/v:lab-129-91/dev216/31867/#0029

0001/>

Message VPN : vpn\_25 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_25000001 C N P - P1 #P2P/v:lab-129-91/adUser\_25000001/>

dev216/394/#00110002 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

02/>

dev216/394/#00110003 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

03/>

dev216/394/#00110004 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

04/>

dev216/394/#00110005 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

05/>

dev216/394/#00110006 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

06/>

dev216/394/#00110007 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

07/>

dev216/394/#00110008 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

08/>

dev216/394/#00110009 C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

09/>

dev216/394/#0011000a C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

0a/>

dev216/394/#0011000b C N P - P1 #P2P/v:lab-129-91/dev216/394/#001100

0b/>

Message VPN : vpn\_26 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_26000001 C N P - P1 #P2P/v:lab-129-91/adUser\_26000001/>

Message VPN : vpn\_27 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_27000001 C N P - P1 #P2P/v:lab-129-91/adUser\_27000001/>

Message VPN : vpn\_28 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_28000001 C N P - P1 #P2P/v:lab-129-91/adUser\_28000001/>

Message VPN : vpn\_29 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_29000001 C N P - P1 #P2P/v:lab-129-91/adUser\_29000001/>

Message VPN : vpn\_3 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_3000001 C N P - P1 #P2P/v:lab-129-91/adUser\_3000001/>

Message VPN : vpn\_30 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_30000001 C N P - P1 #P2P/v:lab-129-91/adUser\_30000001/>

Message VPN : vpn\_31 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_31000001 C N P - P1 #P2P/v:lab-129-91/adUser\_31000001/>

Message VPN : vpn\_32 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_32000001 C N P - P1 #P2P/v:lab-129-91/adUser\_32000001/>

Message VPN : vpn\_33 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_33000001 C N P - P1 #P2P/v:lab-129-91/adUser\_33000001/>

Message VPN : vpn\_34 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_34000001 C N P - P1 #P2P/v:lab-129-91/adUser\_34000001/>

Message VPN : vpn\_35 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_35000001 C N P - P1 #P2P/v:lab-129-91/adUser\_35000001/>

Message VPN : vpn\_36 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_36000001 C N P - P1 #P2P/v:lab-129-91/adUser\_36000001/>

Message VPN : vpn\_37 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_37000001 C N P - P1 #P2P/v:lab-129-91/adUser\_37000001/>

Message VPN : vpn\_38 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_38000001 C N P - P1 #P2P/v:lab-129-91/adUser\_38000001/>

Message VPN : vpn\_39 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_39000001 C N P - P1 #P2P/v:lab-129-91/adUser\_39000001/>

Message VPN : vpn\_4 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_4000001 C N P - P1 #P2P/v:lab-129-91/adUser\_4000001/>

dev216/31867/#00280001 C N P - P1 #P2P/v:lab-129-91/dev216/31867/#0028

0001/>

Message VPN : vpn\_40 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_40000001 C N P - P1 #P2P/v:lab-129-91/adUser\_40000001/>

Message VPN : vpn\_41 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_41000001 C N P - P1 #P2P/v:lab-129-91/adUser\_41000001/>

Message VPN : vpn\_42 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

#mqtt/adUser\_42000001/2 C N P - DA topic/qos0/client/42

#mqtt/adUser\_42000001/2 C N P - DA topic/qos0/mgmt/42

#mqtt/adUser\_42000001/2 Q P P - DA topic/qos1/client/42

#mqtt/adUser\_42000001/2 Q P P - DA topic/qos1/mgmt/42

Message VPN : vpn\_5 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_5000001 C N P - P1 #P2P/v:lab-129-91/adUser\_5000001/>

Message VPN : vpn\_6 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_6000001 C N P - P1 #P2P/v:lab-129-91/adUser\_6000001/>

Message VPN : vpn\_7 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_7000001 C N P - P1 #P2P/v:lab-129-91/adUser\_7000001/>

Message VPN : vpn\_8 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_8000001 C N P - P1 #P2P/v:lab-129-91/adUser\_8000001/>

Message VPN : vpn\_9 (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

adUser\_9000001 C N P - P1 #P2P/v:lab-129-91/adUser\_9000001/>

Message VPN : vpn\_acl-profile (exported: No; 100% complete)

Destination Name Flags BlkID DTO Subscription

T P R Prio

------------------------ - - - ----- ---- ------------------------------------

#client C N S - P1 #MCAST/>

#client C N S - P1 #SEMP/lab-129-91/>

#client C N S - P1 #P2P/v:lab-129-91/#client/>

#client C N S - P1 #SEMP/v:lab-129-91/>

#client C N S - P1 #P2P/lab-129-91/#client/>

**show snmp**

COMMAND:

snmp [trap [<name>]]

DESCRIPTION:

Show SNMP agent configuration

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

trap - Show snmp trap configuration <name> [string] - Trap name

solace> show snmp

SNMP agent status: enabled

Contact: Mr Solace Systems

Location: Solace Systems Drive

Traps disabled.

Communities:

afw\_community group afw\_group

mySnmpCommnity group mySnmpGroup

Groups:

afw\_group v2c

mySnmpGroup v2c

mySnmpGroup2 v3 auth

mySnmpGroup3 v3 noauth

Hosts:

1.2.3.4 traps v2c port 55 community mySnmpCommnity

1.2.3.5 traps v3 noauth user solaceLogin port 56 community mySnmpCommnity

1.2.3.6 traps v3 noauth user solaceLogin port 57 community mySnmpCommnity

SNMPv3 users:

solaceLogin mySnmpGroup2

Engine ID: 80001f88800ca08078aacebe5800000000

Packets in 0 Packets out 0

Get-requests 0 Get responses 0

Get-nexts 0 Traps 0

Set-requests 0

Total req. vars 0 Total set vars 0

Invalid message 0 Wrong SNMP version 0

Unsupp. sec. level 0 Bad community name 0

Unknown USM user 0 Bad community use 0

Wrong USM digest 0 ASN parse error 0

Decryption error 0 Unknown context 0

solace> show snmp trap

Trap Type Configured Set Value Clear Value

voltage

BB +12.0V high Yes 13391 mV 13027 mV

BB +12.0V low Yes 10635 mV 10947 mV

BB +3.3V high Yes 3653 mV 3553 mV

BB +3.3V low Yes 2953 mV 3038 mV

BB +5.0V high Yes 5566 mV 5414 mV

BB +5.0V low Yes 4459 mV 4589 mV

BB +5.0V STBY high Yes 5566 mV 5414 mV

BB +5.0V STBY low Yes 4459 mV 4589 mV

temperature

NPU Core Temp high Yes 110 C 90 C

fan-speed

Chassis Fan 1 low Yes 1000 RPM 2000 RPM

Chassis Fan 2 low Yes 1000 RPM 2000 RPM

Chassis Fan 3 low Yes 1000 RPM 2000 RPM

Chassis Fan 4 low Yes 1000 RPM 2000 RPM

disk-utilization

md2 Yes 75 70

md6 Yes 70 50

externalSpool/p1 Yes 70 50

externalSpool/p2 Yes 70 50

connections Yes 70 50

subscriptions Yes 70 50

power-status Yes 0 1

redundant-disk Yes 0 1

ingress-msg-rate Yes 70 50

egress-msg-rate Yes 70 50

**show ssl allow-tls-version**

COMMAND:

ssl allow-tls-version

DESCRIPTION:

This command is used to display the versions of TLS that clients and SEMP users are allowed to use when connecting to the router. As well as which versions of TLS the router's LDAP authentication connections can use when communicating with an external LDAP server

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show ssl allow-tls-version

Allowed TLS versions: 1.0, 1.1, 1.2

**show ssl certificate-files**

COMMAND:

ssl certificate-files [filename <filename>] [detail]

DESCRIPTION:

Show certificates uploaded to the appliance

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

filename <filename> [0..117 chars] - Certificate filename; may contain wildcards \* and ? detail - Show detailed information for each certificate

solace> show ssl certificate-files

Flags Legend:

C: Certificate (Y=yes, N=no)

K: Private Key (Y=yes, N=no)

Contents

Filename C K

------------------------------------------------ --------

afwCert-rsa-1024.crt Y N

afwCert-rsa-2048-ia.crt Y N

afwCert-rsa-4096-ib.crt Y N

afwCert-rsa-8192-ic.crt Y N

afwCert-rsa-16384-id.crt Y N

afwCert-rsa-8192-ie.crt Y N

afwCert-rsa-2048-if.crt Y N

afwCert-rsa-1024-ig.crt Y N

afwCert-rsa-512-ih.crt Y N

afwCert-rsa-512-ii.crt Y N

afwCert-rsa-1024.pem Y Y

cert.pem Y N

depth3server-rsa.pem Y Y

cacert.pem Y N

mycert.pem Y Y

afwCert-rsa-2048.pem Y Y

vmr-132-69.cli N N

depth4server-rsa.pem Y Y

expired\_selfSigned.pem Y Y

expired-rsa.pem Y Y

future-rsa.pem Y Y

noRootInChainDepth3server-rsa.pem Y Y

noRootInChainDepth4server-rsa.pem Y Y

signedByExpiredLevel2Ca-rsa.pem Y Y

signedByExpiredRootCa-rsa.pem Y Y

untrusted-rsa.pem Y Y

afwClientCert-rsa-2048-sha256.crt Y N

scale3.crt Y N

scale3.key N Y

scale3.pem Y Y

client1-depth3-rsa.crt Y N

client1-depth3-rsa.key N Y

client1-depth3-rsa.pem Y Y

client1-depth4-rsa.crt Y N

client1-depth4-rsa.key N Y

client1-depth4-rsa.pem Y Y

client1-depth8-rsa.crt Y N

client1-depth8-rsa.key N Y

client1-depth8-rsa.pem Y Y

client1-depth9-rsa.crt Y N

client1-depth9-rsa.key N Y

client1-depth9-rsa.pem Y Y

level2\_ca-rsa.crt Y N

level3\_ca-rsa.crt Y N

level4\_ca-rsa.crt Y N

level5\_ca-rsa.crt Y N

level6\_ca-rsa.crt Y N

level7\_ca-rsa.crt Y N

level8\_ca-rsa.crt Y N

level9\_ca-rsa.crt Y N

root\_ca-rsa.crt Y N

depth8-rsa.pem Y Y

depth9-rsa.pem Y Y

solace> show ssl certificate-files detail

Filename: afwCert-rsa-1024.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 13794216796223390503 (0xbf6ee7175d9f4327)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=QA

CN=solace\_qa\_afw\_client

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Mar 21 14:22:44 2013 GMT

Not After : Mar 21 14:22:44 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=QA

CN=solace\_qa\_afw\_client

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:a9:96:9b:9c:b4:12:38:ec:9b:d8:ac:88:82:65:

eb:58:b3:cd:63:40:69:61:e4:a9:76:dd:aa:dd:01:

a9:3b:a7:af:9d:ec:c1:63:5b:07:01:62:e6:97:81:

a5:a7:65:00:da:3e:ac:36:0a:13:a6:2e:08:0f:e3:

3b:f2:1a:72:8d:5c:65:19:2f:f5:e8:85:b4:a0:13:

d0:46:5c:61:44:58:35:18:75:03:52:8e:2f:64:79:

71:6c:5b:bc:9e:00:d4:1b:72:ed:a5:06:b0:bd:db:

99:8d:2b:3d:85:32:41:1b:a3:76:9c:12:95:e6:47:

84:00:88:b5:a2:8a:85:54:01

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

7a:e3:90:d1:b4:c3:70:e2:dd:63:98:0f:1c:47:03:97:9f:d4:

af:9d:d3:d3:29:f2:a4:a1:93:04:27:e7:1b:7b:02:38:79:a9:

85:96:49:5f:aa:cb:09:8a:e2:d7:f4:8a:32:80:d0:4b:01:ba:

85:ac:cb:54:97:0c:e3:ee:79:30:81:0e:70:80:b7:7d:92:28:

71:25:c5:32:c9:3f:40:0a:20:fd:30:e3:b6:e3:50:58:b6:93:

ef:45:95:89:91:85:71:67:49:07:f2:76:44:58:e1:85:46:65:

86:8e:32:df:61:0a:0b:74:b7:30:8e:70:99:99:75:43:10:b7:

30:58

Filename: afwCert-rsa-2048-ia.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=QA

CN=solace\_qa\_afw\_client

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 2 13:25:47 2013 GMT

Not After : Apr 2 13:25:47 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=afwCert-rsa-2048-ia.key

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:b6:fc:e4:62:6e:21:74:86:ea:3f:04:eb:1f:90:

fe:a4:65:4b:ef:ca:ee:92:d0:42:72:07:2a:2f:0f:

77:60:76:09:8d:57:8e:01:bd:d2:73:0e:a3:ed:f0:

c0:9a:e9:40:98:cb:88:d6:5d:05:c1:1c:9f:91:7b:

86:01:22:d8:a8:b7:d0:3f:a8:f0:0a:10:15:23:e2:

5e:e9:9b:9b:60:89:0a:fd:48:2e:cd:c0:1e:6f:4e:

de:72:db:19:2d:c0:58:4b:e1:fb:6a:aa:4c:6d:1e:

44:b8:46:ee:2e:92:be:99:6b:3e:b9:de:37:b0:4d:

72:0b:c3:4e:0a:8e:ec:34:7b:2e:aa:9d:4b:40:17:

09:51:6e:21:6c:ae:7d:dd:1a:41:d0:e5:2a:f8:84:

54:30:d8:44:29:f9:dc:54:22:ef:ee:90:dc:73:07:

4f:f9:0c:97:38:e3:96:e2:c3:02:ed:24:34:8a:1a:

84:4e:4a:aa:13:c9:db:d7:9f:e6:fe:d1:e7:42:60:

15:73:10:fb:3c:4b:92:96:c5:78:3d:e6:fc:25:01:

b3:ba:30:a8:ef:e6:78:43:bf:80:0d:80:76:e8:98:

9b:7e:04:92:fe:3b:0d:9b:21:e0:16:b7:54:0d:18:

31:d6:52:cd:dd:d9:59:52:74:d2:b3:94:f5:09:a7:

af:79

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

a2:98:61:bc:a3:17:6a:94:03:55:cc:a9:91:88:4f:cd:39:bd:

8b:36:c6:07:d4:ce:05:07:ee:9b:9f:0b:d6:0f:08:65:70:e4:

00:b4:3d:43:c2:47:14:bb:1c:18:85:14:98:a5:14:4e:25:8f:

53:68:bb:25:f7:d9:aa:4f:30:3a:dd:35:64:13:35:41:d8:34:

a4:e5:d6:bf:1b:4f:98:e1:2c:bb:4b:ed:af:b5:e9:88:ed:90:

e2:ec:0e:f1:c9:2b:de:4b:8b:12:ba:6b:88:a8:42:13:b9:c4:

9e:2c:93:36:84:23:89:84:59:7e:6f:95:12:df:82:e8:80:0e:

19:3e

Filename: afwCert-rsa-4096-ib.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 2 (0x2)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=afwCert-rsa-2048-ia.key

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 2 14:10:39 2013 GMT

Not After : Apr 2 14:10:39 2014 GMT

Subject:

C=CA

ST=Quebec

L=Montreal

O=Something Somewhere

OU=RND

CN=!@#$%^&()\_+1234567890-=[]\{}|;':,./<>

emailAddress=something@somewhere.rnd

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:d6:be:53:62:08:41:90:09:54:89:67:ae:da:5b:

a8:61:12:6e:79:93:a9:ff:aa:f1:b8:92:4c:ec:bc:

70:cf:f2:64:46:ac:5f:d8:5c:51:90:ec:a8:90:4f:

ef:6d:1e:d6:34:f6:8f:af:33:3d:cd:da:86:88:54:

c6:5b:8b:d7:47:93:1b:ac:dd:45:f1:c9:21:63:82:

6d:f7:ff:04:f8:20:e4:3d:4f:c8:de:96:a9:b0:22:

c4:ee:94:27:72:9f:1b:95:b5:85:a4:3a:45:25:41:

cc:c0:97:14:b7:a7:6a:76:c6:12:b5:97:e4:70:4a:

0d:36:e2:06:a6:42:3c:31:1a:f0:d9:5a:bd:82:57:

fb:5c:b4:0e:97:20:af:a0:6f:58:42:df:d0:89:42:

d1:22:f1:6a:be:56:97:56:98:98:8b:83:81:3b:d0:

83:bd:dd:f0:d5:fe:23:45:b9:89:e4:48:e5:1a:69:

b9:88:bc:1a:d8:e5:d1:e6:b4:f9:3c:63:a6:84:66:

0b:84:84:c6:6d:9a:50:53:75:c4:7c:a6:ff:90:83:

a0:85:22:a0:91:63:b4:ab:a3:47:eb:3c:11:19:6e:

53:dc:37:77:70:d5:fb:50:8d:02:2f:dc:4e:56:20:

5b:c7:79:83:ab:01:56:6e:6d:0b:a5:3d:c6:cf:bc:

8e:a5:1a:b7:02:ab:b0:02:14:02:57:82:e2:4f:1a:

06:23:d7:86:4e:0c:0c:13:d8:f9:ab:03:09:66:2c:

37:c7:0f:11:12:26:6e:e1:4e:8d:91:7a:2a:db:cd:

cc:12:a0:14:58:50:e9:d8:d2:ad:73:3e:ed:5e:2e:

38:15:4d:f5:d5:a0:ab:24:30:46:d1:76:8f:fb:40:

6f:40:8b:4b:31:6e:bd:88:b3:2a:8e:7c:35:ce:8e:

b1:75:13:83:98:4e:e3:f8:9e:4f:62:69:11:46:b2:

16:47:c5:13:cc:48:04:44:26:c3:38:96:70:2b:48:

2f:d2:58:a0:14:1c:58:da:b1:a3:bf:94:5f:21:be:

15:54:48:56:9e:53:c2:b9:cd:4e:74:70:5d:a0:05:

c4:56:b7:74:61:80:fe:fb:1e:b0:48:bd:65:3f:7e:

78:df:9f:00:e5:b6:59:b3:7a:fd:d0:da:5a:ba:75:

d8:b0:25:38:c8:b5:00:95:80:09:53:3f:a3:f0:d7:

9d:23:0f:07:01:6e:64:fd:cc:90:e8:5d:62:e3:18:

d1:11:d4:56:c2:23:3e:d7:72:94:bf:5b:95:4a:e3:

91:f0:78:9b:14:7a:33:0d:35:8b:2a:ff:47:af:1d:

13:01:53:04:68:a1:e2:c0:56:d1:aa:82:69:8d:1f:

c6:77:73

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

0b:ab:96:f1:76:59:9b:d9:30:26:b0:55:0e:76:4b:ca:ed:90:

0b:89:50:9d:73:81:f9:85:81:52:36:3f:a5:72:60:c8:3d:6c:

e4:e3:16:4a:90:f5:25:47:33:cf:70:f7:f0:46:f0:4f:78:8b:

53:2d:18:3a:ce:cb:b9:ef:21:e3:43:1d:f8:7f:c6:00:d1:71:

5d:8b:8a:2f:a6:ea:7c:af:fb:ce:18:34:98:c1:a9:d8:8f:8e:

32:a9:d9:82:ba:7d:55:23:df:b4:2c:09:b0:83:d9:65:e1:9b:

5f:07:eb:90:3e:33:47:04:b0:12:bb:d4:51:f4:af:73:db:b1:

18:90:1a:88:25:30:d6:11:34:83:8a:dc:31:7e:45:8d:2c:9d:

17:bf:47:c6:c5:78:66:5b:24:49:83:19:19:55:1b:cd:1f:ac:

15:0b:5c:ca:80:d6:62:73:6a:ce:fb:46:6f:52:f8:fb:ef:bd:

bc:18:f8:3a:b5:68:38:a2:1f:0d:58:4b:d5:39:36:b4:6f:19:

09:53:7f:b4:12:bc:41:88:fc:75:39:a8:ba:15:e8:9f:83:ab:

ae:44:8a:cb:f5:37:56:51:ec:17:c9:bc:ec:35:fd:46:30:5c:

fc:b2:47:5c:66:49:43:c6:59:99:98:8d:a9:7d:6a:75:bc:79:

b7:93:b4:b7

Filename: afwCert-rsa-8192-ic.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 3 (0x3)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Quebec

L=Montreal

O=Something Somewhere

OU=RND

CN=!@#$%^&()\_+1234567890-=[]\{}|;':,./<>

emailAddress=something@somewhere.rnd

Validity

Not Before: Apr 9 17:29:50 2013 GMT

Not After : Apr 9 17:29:50 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=`~afwCert-rsa-8192-ic

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (8192 bit)

Modulus:

00:98:01:25:29:2b:5d:98:b6:0b:3f:06:23:e6:93:

02:bc:0f:26:ae:28:68:7e:b7:27:2d:94:99:e2:57:

9a:90:89:d8:54:ca:b8:68:98:00:3f:d7:36:b7:14:

7f:bc:7a:23:40:bb:f4:ac:09:48:17:d1:91:28:53:

17:93:33:29:eb:cf:de:6f:4d:2c:c8:6a:0e:f9:33:

af:1a:31:16:02:e5:26:98:cf:a4:69:5c:df:a7:02:

42:f0:be:0d:60:95:63:57:42:5c:af:f0:a8:ee:be:

ab:75:77:82:4d:dc:2d:7f:1d:90:b8:8e:dc:42:42:

15:32:b4:70:69:8a:36:fa:b3:e5:4b:38:70:06:95:

de:18:b0:83:2c:35:01:29:23:60:53:08:66:ad:56:

d3:03:2c:23:b7:37:9f:6e:c9:5e:f4:6b:3e:8b:8d:

4b:ac:bd:16:21:60:72:c3:0f:1c:1d:6a:4d:fc:f1:

ee:ab:13:01:25:41:7e:7c:d9:9e:95:15:33:be:0b:

c4:60:30:6d:95:42:6d:82:43:c5:6b:cf:79:77:9e:

d3:0d:ce:3d:f1:cf:28:42:e6:0e:aa:11:8a:ca:e5:

69:90:ab:f0:29:c6:1d:a9:d5:ff:3a:d1:2e:59:d1:

1d:93:ae:87:6e:8d:b3:b4:5a:69:1b:da:87:50:e2:

93:55:1f:1c:c2:0e:58:6c:b5:37:6b:a4:43:49:a9:

77:98:f4:69:0e:7a:17:d7:e9:74:13:4c:62:fe:cd:

7a:de:26:9d:d1:08:9a:df:22:73:08:82:e3:74:c6:

79:5b:95:46:0f:72:b8:81:c5:84:f3:c4:25:64:5d:

b9:61:eb:5f:34:24:e9:45:b8:96:0f:ae:25:a3:aa:

ac:22:29:0a:54:02:4c:f0:3a:d3:a9:3c:5d:5d:0b:

e0:f8:e3:e4:86:72:2b:ca:55:b9:53:e0:24:0a:3e:

b2:0d:4e:9d:e4:cc:06:86:42:dd:f0:9d:b8:f7:92:

76:ce:7f:61:97:cb:86:f1:1e:03:fd:54:2b:38:78:

6c:4e:a3:74:5f:e1:c7:d0:ca:2c:5d:f9:77:06:c0:

4a:84:2e:b0:2d:d4:2b:76:64:2e:fb:f4:5d:68:07:

8c:59:c8:43:33:b2:61:a8:d9:ce:4e:35:0b:e5:d3:

24:4d:84:02:ac:e2:a8:46:af:48:56:12:b1:63:34:

a7:c1:12:69:83:fc:44:78:6c:59:32:d1:8f:38:09:

07:34:bd:d3:3a:d5:4f:df:28:05:69:b4:64:cd:93:

34:46:e8:2a:25:6e:68:8b:db:2d:c2:60:04:f7:28:

ed:66:ad:36:85:ce:60:74:3a:67:b1:bf:c0:de:97:

3d:13:38:46:ee:e9:b4:59:2e:83:e5:59:01:a5:87:

95:4c:63:44:54:95:65:06:9f:1d:ef:91:01:72:78:

f9:b2:87:45:c6:c0:7e:fa:84:a4:af:ca:be:85:03:

8e:ea:a1:28:35:28:24:40:c8:d7:ec:bf:af:52:53:

46:cc:ef:13:49:98:12:2f:64:7b:53:46:32:56:b5:

02:4b:19:aa:74:b8:a2:83:16:9a:0c:e0:41:b4:70:

b3:8d:fa:b7:25:6a:3e:87:8b:78:da:d1:7b:1b:93:

14:f5:21:2d:43:88:23:8f:06:9c:dc:e9:1e:80:43:

23:c4:1c:87:a4:35:5e:86:59:32:22:1b:b8:58:81:

53:75:ed:30:f8:0c:74:eb:37:12:1c:38:66:60:69:

51:d7:ce:23:0d:88:95:b1:49:c9:ab:70:cb:9e:23:

7b:01:b2:7f:9c:73:34:9e:8c:6e:4e:fc:ca:91:e9:

b0:ac:b7:50:38:08:c7:64:bf:c5:08:42:2a:84:32:

3a:5c:84:d2:a8:1e:50:2b:5d:6f:76:17:65:58:37:

42:3f:c7:e1:71:a7:d3:80:a3:7c:82:38:76:bf:1a:

f7:7b:c8:95:7a:ae:61:7d:7a:0b:48:3a:c6:ea:5a:

23:dc:1e:6c:4d:26:2d:46:c1:f9:c6:c5:0d:e0:3c:

1e:b3:f1:8f:47:cc:d3:66:d1:ab:a4:06:20:64:c7:

c2:96:02:67:36:6f:4a:b5:14:5a:cf:49:a3:2b:42:

56:a4:da:eb:db:f5:46:3f:75:0e:6d:3f:0f:57:02:

89:03:10:ad:1f:48:e9:59:bd:79:67:ab:b6:b8:3d:

60:61:b9:34:fc:72:30:ca:3e:9d:49:8f:75:b2:ee:

38:23:dc:f6:a6:56:fe:23:a9:a4:64:c5:1d:45:32:

3c:07:51:e6:35:66:62:d4:1f:83:af:90:ef:6e:ab:

f1:41:4b:87:3e:ea:92:80:6a:9a:ac:95:6a:4f:54:

09:4a:2d:1f:be:d3:1e:c9:72:98:ec:77:95:10:9d:

53:a2:d8:39:89:20:8b:e9:3f:f5:e9:60:c9:c9:87:

f3:f9:55:02:01:0e:47:34:06:1a:54:3d:bb:d4:a6:

70:2d:81:65:eb:7f:ad:76:4c:d8:4c:3e:40:2d:59:

a1:22:b8:83:91:b1:f5:b6:d7:e3:f3:3b:1d:f3:64:

5d:5b:45:7b:f4:68:94:6b:9a:b1:7d:d3:f1:dd:00:

d8:07:8d:d5:56:5e:d2:91:98:8c:ea:21:4f:4d:ed:

ee:e4:69:40:3d:3c:a6:7f:e0:a1:22:33:13:87:91:

55:27:58:d9:95:83:95:7b:89:32:35:1f:08:4e:8c:

3e:5e:56:92:8d

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

b7:28:f8:36:96:6a:99:63:b8:92:81:c3:28:16:ab:22:e1:8d:

1f:1e:70:5b:17:5a:9d:35:94:b3:1b:b8:f9:12:64:63:bd:b4:

25:75:8e:36:9e:5b:ac:19:09:24:de:af:f2:9d:67:84:7a:52:

8b:8e:da:ea:2a:72:39:84:1f:d8:bb:81:05:d2:67:b9:55:23:

4a:4e:66:28:25:27:ce:af:7e:b3:ee:e6:29:07:1c:c1:bf:d1:

85:79:37:36:9e:28:2f:66:88:d3:ef:44:b8:12:cb:78:cd:e8:

2a:c8:99:f0:78:34:25:46:32:af:22:12:1d:f6:80:1c:c0:39:

26:f2:72:5f:21:e7:97:60:ba:ee:ed:5e:4a:c2:41:6d:9a:e1:

43:ad:53:19:de:33:00:3f:38:f3:7e:e0:84:30:50:af:6a:58:

29:95:d7:e4:b2:16:db:93:82:cc:76:b4:18:47:a1:12:0d:7e:

06:93:93:0e:06:6b:d5:7d:64:1c:e5:5b:ec:3c:7c:b6:68:30:

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f5:ff:a3:87:3c:30:a7:2a:88:5a:3d:55:ed:de:f7:65:ca:2a:

aa:96:5b:f7:41:c5:6c:70:b3:58:4a:3a:71:e6:db:4a:6a:17:

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ac:2d:30:3a:d1:b5:3b:95:aa:6e:5f:3e:c9:e6:52:4a:eb:f7:

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4e:c1:a6:d4:63:2a:fc:2f:97:71:c8:1e:cd:86:ae:8c:97:13:

8d:a3:eb:c0:6d:f9:64:f1:ca:16:41:50:2c:10:5d:f7:8d:a8:

f9:dc:5d:59:f1:31:15:66:19:8f:c2:f9:a9:d2:b0:6f:ca:50:

9d:be:3f:63:0e:74:b7:70:47:6a:a8:34:ee:fc:74:1f:80:36:

aa:f4:8d:83:ce:7b:5f:75:57:88:38:9b:b1:94:4b:b2:e7:b3:

c3:fd:1a:72:50:6e:7e:d8:8e:d8:f8:dd:73:b6:d8:38:19:25:

d1:d4:76:f2:85:e4:1c:aa

Filename: afwCert-rsa-16384-id.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 4 (0x4)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=`~afwCert-rsa-8192-ic

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 9 17:34:27 2013 GMT

Not After : Apr 9 17:34:27 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=solace5

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (16384 bit)

Modulus:

00:bc:34:6b:12:b8:99:51:e1:cb:8c:bf:b4:48:a7:

83:7f:42:74:9e:32:4a:a3:cb:86:ef:75:4a:85:67:

91:de:b7:d3:9c:a1:b8:6e:97:31:bb:93:55:7a:df:

aa:66:a1:be:da:73:89:bc:24:79:45:5b:5a:41:6b:

be:2c:74:fc:c8:96:a2:88:af:be:2a:9f:d2:2a:5e:

1b:ee:2e:91:c8:9e:bc:e4:77:cc:e4:b4:85:4b:70:

11:2d:f0:23:c2:1b:2a:66:eb:90:79:af:64:c1:3a:

44:5b:ee:02:38:4b:c0:e0:ee:32:38:76:b3:b5:28:

da:36:fb:ba:27:0e:36:c5:6f:57:14:ea:29:f5:0c:

a3:27:64:21:c9:4b:2c:4e:48:c7:85:26:14:cc:22:

f2:36:48:9a:e2:98:39:19:6d:98:ac:d9:b6:99:e6:

e2:1b:28:37:c9:47:9e:03:bb:40:e1:f4:7c:9e:ef:

cc:ea:66:ad:c7:0e:8b:32:26:29:4d:a8:9a:c7:8e:

70:64:33:50:88:03:03:ef:ad:c5:1e:88:2c:54:48:

ed:47:06:89:2c:7e:25:ae:5a:7f:c2:02:67:4b:6e:

71:f6:7d:4d:74:21:cc:3e:bc:13:e5:94:e1:36:a7:

70:4e:9b:34:f8:e2:f1:44:d5:f0:83:60:bf:d4:99:

20:e5:35:bd:f9:8b:db:58:ee:f9:69:04:59:03:cd:

3a:b2:8c:c7:46:e7:bd:f0:8e:06:d6:da:ae:40:51:

0b:e2:8b:bb:e4:67:c4:2b:12:f5:8e:98:ee:46:e4:

0c:05:a3:f4:5b:32:4f:28:33:ea:5a:b7:65:ac:84:

c4:98:cb:10:dd:1c:f5:27:2c:b9:14:b5:33:69:5c:

a7:6b:2c:3c:10:ad:23:1d:31:7c:88:84:2a:a8:08:

09:2e:ba:a2:e7:94:f5:e8:56:d0:0b:7b:aa:74:71:

c0:7a:b8:cd:c4:fb:23:99:4c:e6:34:9e:c2:46:4d:

f0:f4:5d:90:c4:ca:cd:46:41:e8:89:0a:ae:fb:7a:

98:f0:38:14:f1:14:e2:ba:64:ae:a0:97:f8:b8:e0:

a2:56:3b:7d:5b:ed:0b:1f:74:ce:ac:09:5f:ac:11:

15:d1:39:d3:1d:6a:19:e0:43:31:fe:71:bc:e4:40:

1b:f5:07:60:18:41:5f:50:45:74:6e:ce:e4:9c:cd:

e8:4e:94:e5:ae:4b:50:df:05:89:3a:da:25:b5:37:

f1:43:9f:dc:7c:e3:7f:8c:9c:17:20:f2:60:9e:78:

89:7e:94:5c:e1:d6:15:bc:ee:f5:61:c9:12:84:27:

86:5a:12:b3:fc:af:b6:ea:2d:63:fb:f8:c2:9c:f2:

b1:01:28:f8:ff:35:3f:9c:e8:f2:c4:6a:a3:85:83:

94:72:eb:11:65:6d:1b:29:8c:a7:5a:28:f8:19:41:

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62:87:15:cf:83:b8:97:81:f4:af:e5:e8:de:1e:d5:

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c2:05:9d:e6:e0:e1:cf:ec:4a:1b:7a:0a:bd:65:37:

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5c:90:92:ae:e7:22:6d:e6:45:54:ac:d6:92:ba:44:

43:9c:90:3d:12:e9:b9:4d:df:89:1f:58:93:c0:32:

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73:f1:99:f8:e1:d5:f5:aa:06:b2:0b:e5:21:ae:16:

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7a:de:14:b8:31:9d:57:b2:d2:51:50:bc:ac:df:1b:

41:35:c9:05:f9:d5:2f:a1:b8:70:22:eb:57:bb:ed:

e4:f9:6c:cb:eb:74:ec:41:8f:44:ac:6c:e4:55:af:

fe:e8:9f:ce:d2:77:4f:3d:19:36:63:70:a8:6c:58:

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e3:07:72:5d:2d:d5:ed:31:bd:73:9a:4c:2a:3d:d5:

03:6d:a5:75:c3:70:37:43:d5:10:e2:05:6b:d7:0c:

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15:28:b0:b7:f6:d4:14:02:6e:8f:cf:ab:e8:b3:37:

53:4e:6f:b2:53:c9:d9:59:41:40:ff:38:d4:60:c3:

4f:60:35:37:e2:ca:2e:01:0e:52:0b:00:f0:80:17:

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94:57:b8:e1:8f:ff:68:30:d9:f4:4d:a7:a3:50:84:

8e:db:e0:b3:ad:d6:29:04:69:a5:d7:3d:c0:58:a4:

a6:e8:0b:4f:4f:c0:e5:75:9f:44:51:a4:e0:cc:cb:

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58:05:8c:78:69:5b:97:b2:e2:13:b2:6e:0e:04:1f:

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28:c7:5c:7a:f7:e5:9a:ef:9e:a3:55:4f:82:d5:8c:

a7:d8:da:41:97:8e:a3:a7:d5:ca:25:88:ff:7b:ae:

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97:c8:31:92:e7:44:ba:b5:7c:89:53:b1:59:58:3c:

09:30:01:e1:8d:a8:42:d5:1f:1b:b3:24:08:7b:93:

99:99:09:22:e0:13:7a:20:1d:5c:6e:c6:b2:79:42:

cf:78:1d:ea:4a:a5:5e:66:eb:bc:85:a6:39:fa:b7:

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b9:77:43:96:4a:79:0f:23:06:e6:74:2f:3c:8b:d5:

43:ad:03:79:e0:ef:31:ef:21:90:3b:c4:85:8a:84:

1d:49:ee:59:10:c9:60:43:6a:1d:1d:47:14:76:f6:

0c:6b:e7:df:3d:9b:69:0f:b6:13:8e:00:89:fe:06:

6f:c9:fe:2a:9b:0b:0b:c9:90:2b:68:7c:26:e3:b8:

6a:35:ff:93:fe:43:8a:23:4a:32:f0:25:31:50:78:

51:06:54:8b:29:6b:2b:dd:f3:43:89:c3:02:df:7e:

79:a1:88:c1:ed:9a:5f:98:19:4b:73:73:d9:19:15:

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73:83:eb:13:ba:74:54:5d:5e:54:e5:22:b2:d3:24:

b1:10:f9:0b:fb:a6:aa:25:ff:29:35:14:1b:59:c1:

b0:00:de:57:d3:57:cd:3b:24:28:3f:a8:ab:ec:4e:

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b1:73:99:2b:88:91:db:72:8c:bc:1b:c7:be:04:6e:

2c:cd:22:3a:4d:67:d4:15:62:d7:77:f4:30:ac:15:

82:76:96:88:87:87:fd:a5:51:bd:90:8f:1e:f2:92:

26:25:b6:d1:35:ae:b5:ae:53:85:85:b7:8f:1c:8b:

b6:82:ab:50:61:39:93:c4:47:1d:c3:0f:d1:2f:40:

ef:33:fa:31:79:d9:81:3d:f6:20:60:93:20:d0:c8:

0f:0e:5b:a7:ef:94:eb:b7:6b:7e:2e:d0:0b:b7:07:

93:46:9e:cc:10:30:71:bd:99:82:0f:29:b8:aa:a5:

80:20:ef:d8:33:a4:d8:f4:19

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

83:75:41:b0:94:6e:99:5f:39:1f:ae:09:ba:f0:ab:65:a9:6c:

db:f4:bb:4b:0b:d2:4e:3b:ae:91:75:ec:90:82:99:b2:16:41:

32:fe:d8:88:6a:27:c0:23:a8:fd:53:ca:8f:26:8b:2e:41:de:

39:18:0e:44:72:e1:45:1a:54:c2:0a:11:17:41:a9:b6:35:14:

9d:57:ff:75:82:cd:a1:19:47:84:86:cb:34:17:e1:0b:31:e4:

a7:89:d6:e2:13:64:91:c2:87:5b:66:16:e8:a0:a3:a6:61:eb:

80:32:88:d2:26:ad:cc:6f:a6:c4:37:0f:91:c2:d4:05:6b:16:

ef:ba:41:e0:4f:ea:4b:43:f1:c2:b1:8c:54:a1:3b:23:06:36:

66:ec:01:c5:5b:4d:39:f6:0b:09:ff:22:97:53:14:0d:78:5c:

61:bd:58:66:93:fb:13:d3:4d:93:6d:9e:8f:df:f2:c1:88:9f:

cd:3d:b0:8c:2f:6c:6c:7f:79:4e:01:23:86:ce:af:96:0c:cc:

0f:b0:2d:6c:4e:31:5a:74:13:10:c7:e7:5c:48:95:18:4b:44:

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16:3f:b8:c7:6c:eb:66:8a:cb:fc:6e:47:c6:0f:1b:14:fd:01:

64:84:c3:46:f4:bf:9c:80:02:ce:4a:6d:00:1e:8a:b9:91:c4:

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57:e6:c7:9e:e0:f9:a5:d9:3d:a7:97:41:a7:21:16:3e:15:54:

c7:a4:2d:ba:31:4a:6d:9c:a9:48:9f:2b:66:a8:31:d4

Filename: afwCert-rsa-8192-ie.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 5 (0x5)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=solace5

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 9 17:38:58 2013 GMT

Not After : Apr 9 17:38:58 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=a b

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (8192 bit)

Modulus:

00:d0:bb:1b:65:6d:98:0f:ae:8b:85:04:1f:4c:5a:

9b:d1:33:53:52:25:8a:58:81:33:ee:61:1c:1c:bc:

8a:3b:cd:cd:a2:4b:5c:b2:4c:7f:19:fc:31:7a:49:

9d:9f:1d:fa:1a:36:c1:f1:2e:76:74:12:3b:bf:41:

89:91:37:a1:d0:f0:d6:a1:67:11:1f:b8:03:59:59:

12:38:05:02:cd:10:4c:f8:6f:81:6a:89:1e:53:dd:

99:a2:1d:38:fe:9a:a0:9b:52:d1:71:77:b2:13:d9:

ef:34:1b:42:f3:32:ae:ca:b6:00:39:24:4a:c6:a0:

bf:95:13:12:d1:f6:0e:71:c3:83:01:71:16:dd:11:

93:bb:cf:fb:d3:38:bd:1b:39:fe:a0:59:0b:f6:23:

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de:00:77:22:f0:4c:d6:9d:15:f7:a8:ab:45:0f:f3:

95:23:5a:a0:30:8e:0f:0b:8d:3a:84:6f:16:62:39:

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d2:b8:44:86:f7:7f:21:69:23:03:6f:39:5f:a1:71:

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3f:4c:02:e6:74:94:3a:bd:e1:26:cc:25:07:5f:62:

6b:fa:3e:cc:79:47:dc:4d:6b:f2:b5:5a:03:cd:c2:

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37:ee:f8:9b:a9:71:40:80:6f:76:0c:82:e0:e2:86:

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28:43:a6:4e:19:b1:a1:f5:64:17:73:91:bc:03:46:

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d6:44:dc:7c:e7:e9:58:55:05:11:e4:b5:d7:17:77:

ec:0b:c2:cb:4a:5a:55:6f:e1:9a:6f:f4:c9:4f:6a:

f6:68:76:31:2f:1c:e6:6c:4d:9a:b5:a9:53:65:d5:

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78:bc:99:1c:36:89:6a:0e:0f:41:2d:53:08:37:42:

65:ee:4f:ad:fd:c8:13:27:17:fb:19:90:2f:04:de:

ae:52:f2:43:f1:88:ce:c0:8f:9c:6f:6a:f3:96:b0:

69:56:4c:17:eb:aa:9d:27:f0:24:45:a0:c7:ee:fb:

2b:da:87:5b:57

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

6d:82:75:0f:e2:bc:38:59:fa:cd:4d:e2:32:40:ba:a1:d8:9e:

df:52:9e:be:40:a6:cb:b7:23:f1:14:f5:29:be:69:89:e3:62:

58:b5:dc:85:6f:d9:55:25:dd:4f:7c:5c:63:75:c5:16:2a:5b:

02:28:75:a4:ea:56:ea:3b:2a:59:ad:8a:fd:3c:9b:d3:38:af:

fc:d5:fd:b5:c1:56:ce:0e:2a:76:6b:b9:53:a9:27:0a:50:df:

9a:87:6b:fb:dd:3a:45:a1:92:65:37:3f:e2:42:1e:c0:d9:3d:

7d:f6:d9:4b:de:c0:ab:2b:07:9f:12:19:00:f3:05:ac:1a:c9:

5a:6f:d2:85:83:59:b0:24:dc:b8:21:e2:e4:ed:de:24:aa:4b:

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b0:02:8c:9a:f8:00:7a:10:5f:fb:74:3e:83:92:c0:7c:91:89:

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ae:94:40:45:04:2c:85:85:73:85:3f:7c:b5:9b:73:77:50:86:

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20:b0:38:82:b3:74:28:d1:37:e5:24:0a:b5:3a:61:e0:bd:8b:

64:b7:b0:58:48:e5:46:ac:a0:bf:ab:38:22:7b:b1:37:57:69:

6f:ed:6b:5f:be:76:dc:4a:d6:4b:04:a2:17:2d:3f:ad:e7:73:

4a:98:68:10:ce:57:54:d9:c7:57:85:a9:bf:d8:50:01:fd:f7:

f3:b1:80:d9:e2:33:21:41:20:7a:f0:70:ac:2e:57:d9:6f:5e:

36:49:19:48:41:d2:2d:87:9a:7f:e8:74:ad:c0:1e:78:dd:f0:

9d:1e:02:ac:cb:a9:06:d5:20:03:cc:18:12:43:0b:bb:01:c1:

cc:6a:b5:ff:56:91:a8:f9:91:fd:f2:ca:16:3c:a9:5a:00:1d:

b4:2c:f4:87:31:fe:e8:a3:46:4b:7a:c7:72:62:f6:61:3f:1b:

17:8f:df:c9:2f:89:5e:46:5d:1d:96:e2:3f:e7:c0:73:71:d1:

2a:e3:d5:35:80:8c:00:50:67:e9:ad:fa:38:e0:99:aa:6c:df:

ca:b8:78:b8:2c:c8:40:31:20:eb:9b:f6:b7:e1:52:ae:d6:dc:

ce:63:de:6e:01:3b:ce:36:ca:5f:13:37:26:b4:39:33:bd:d8:

8a:63:cd:fd:7f:45:3e:a7:c1:d5:cb:2a:b8:f0:b6:00:1a:29:

8d:42:fe:95:9d:1b:4e:88:2e:5a:2d:5c:5d:96:df:00:6f:66:

6b:aa:41:0d:01:87:14:38:b4:00:82:91:68:1a:ea:26:a6:00:

e2:68:db:d6:ab:eb:76:66:09:5a:8a:a5:b8:ad:7e:b2:34:70:

0e:1c:e0:83:68:11:e4:0c:97:85:6f:a1:44:c4:6a:4a:58:97:

7f:81:ab:10:d9:01:a9:50:61:1e:62:dc:5b:f1:0e:d3:f1:e6:

aa:0a:15:b5:04:05:b5:79:d7:28:a2:bf:f4:fe:97:ac:bb:11:

a4:a2:37:25:ff:66:ae:d6:62:e8:60:45:f8:5a:45:b4:df:26:

25:17:cc:a0:12:70:c1:d7:b8:12:da:13:e3:51:32:a9:b4:f7:

de:a4:8e:5f:c0:bb:d5:c8:c9:95:c1:57:08:d4:6d:cd:28:dc:

cf:39:5d:b4:e3:ba:95:3f:e3:57:1a:2b:cc:02:71:68:82:67:

f9:5a:81:d2:2e:da:72:2d:04:f1:55:cc:8a:59:3e:59:3d:22:

6a:55:b7:73:38:d7:b7:57:17:2e:32:fb:ce:24:2f:88:11:0a:

94:90:9a:bc:86:90:8e:d0:70:eb:56:8b:b7:bb:67:65:7b:50:

d0:93:ee:2c:aa:99:62:37:d8:6d:71:c0:c3:0a:e1:71:8e:be:

89:73:dc:83:93:c8:4f:ec:51:b1:d1:cf:be:75:c7:08:4d:0b:

59:89:23:a4:c5:20:ab:13:8d:b1:08:74:70:21:fb:d6:fa:6a:

35:93:d9:24:7a:1c:7e:16:d9:42:b7:42:cd:5a:f9:a6:7b:5f:

a1:1b:7d:f7:6e:a5:a0:ba:48:84:89:db:d4:cd:83:26:2e:c0:

ef:38:75:76:2e:02:b0:2e:22:8d:98:29:fa:17:6e:61:bf:78:

a2:1e:8b:c4:0e:37:03:05:ec:1b:eb:4d:84:4d:11:0e:45:f9:

a9:02:fa:35:84:2f:8b:a3:91:85:a2:30:08:df:53:a8:cd:ae:

60:77:26:f8:3e:a9:1a:96:7c:6e:a2:00:61:ab:ba:59:fd:30:

11:bd:79:9d:4e:8c:d4:39:d2:5d:40:30:6e:a2:19:ec:8d:59:

8b:d5:0c:b7:a1:2a:73:67:37:57:07:32:11:4b:71:2a:69:a6:

d2:d3:2c:65:44:6c:52:ad:1e:43:f0:90:ec:24:95:e2:76:ae:

28:b9:2c:a7:9a:95:a2:ec:72:8c:53:90:42:a7:44:4a:1b:66:

78:ff:96:98:f5:09:36:41:12:bf:2a:6b:da:98:f7:af:1b:25:

24:3c:ad:95:83:29:d3:7a:5b:d4:02:8c:93:32:c1:c3:da:de:

eb:41:93:72:8e:e0:29:5b:82:81:bf:83:d3:ae:9a:db:54:91:

db:c8:59:5b:d6:c9:1a:e8:6b:20:38:87:3d:51:51:f8:e0:ba:

87:bb:22:48:f9:f9:f3:1c:14:75:f0:ee:b6:25:91:bc:62:b0:

5e:07:fa:92:6d:f4:03:41:a3:03:e7:ad:c0:c4

Filename: afwCert-rsa-2048-if.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 6 (0x6)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=a b

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 9 17:47:19 2013 GMT

Not After : Apr 9 17:47:19 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=a

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a6:a3:1c:7d:2a:72:fe:49:da:af:26:f2:11:1f:

20:81:9d:e7:31:95:3c:2c:5b:3d:8d:f7:17:3e:63:

2a:13:79:cd:07:e6:6b:91:c2:99:1e:90:7b:df:ef:

a9:d2:4a:c4:05:4e:6f:98:93:2f:13:94:60:c4:43:

14:15:73:0f:de:ea:3e:a9:ca:d8:43:f1:17:41:cb:

d7:74:fc:b6:be:b5:2b:ee:bb:49:e1:da:c0:b4:8c:

42:68:e3:2c:31:f2:4e:26:a7:34:c5:17:51:55:7d:

3c:29:6e:4c:91:d7:7c:78:d5:a7:c0:87:96:75:9f:

cb:d3:80:4b:57:07:9a:14:5c:bb:da:35:b0:de:32:

fb:6e:72:27:1b:4f:8b:c2:99:89:3b:7d:13:ba:a8:

dd:17:db:e1:3d:57:7f:4f:ac:8c:14:f3:b2:47:95:

ef:df:c1:fe:87:b4:f5:88:e2:69:ba:77:9e:6c:b3:

68:10:6f:7d:0e:52:52:17:d5:ec:7d:c4:94:a6:f2:

27:23:15:8c:95:07:bd:3f:6d:14:36:fe:b1:fe:b2:

e9:f5:f7:7e:53:35:db:6d:0f:01:6b:2e:d5:b3:a9:

59:f2:ba:8d:60:ad:75:f1:7b:c4:1f:3a:b7:d3:ee:

ca:c5:bb:e1:11:6b:60:76:03:00:68:a7:81:03:6a:

cf:b5

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

01:92:f0:19:f1:6a:f1:9a:a9:91:ce:0b:8b:05:91:8f:06:c8:

d7:80:ec:a7:35:ec:75:9b:68:7b:3a:1a:e4:b6:fc:3a:94:64:

26:4a:a7:2b:7f:74:20:3f:da:9c:27:45:85:2c:e4:a3:02:be:

fb:77:b2:31:72:18:b5:fc:c4:15:c5:dd:e5:33:9b:00:66:bb:

9c:42:46:9f:bc:10:c5:00:ba:ed:4e:8a:74:03:fa:89:4d:b5:

a6:c1:9e:1c:4f:70:99:82:c7:6f:55:48:e6:d4:11:4e:99:dc:

66:5d:d2:d8:b4:a9:29:27:41:e8:87:aa:d3:83:da:cd:7c:85:

3f:00:7f:6f:ee:8c:d9:51:9d:a2:d3:a3:97:79:29:be:3d:c5:

7e:7b:98:a0:3b:7d:c5:cc:b4:0a:81:df:bf:e9:91:04:fa:a8:

0d:6d:65:fd:2f:93:62:3b:05:78:ec:c0:93:c1:5b:91:f9:b6:

2c:ee:5c:f4:c6:6f:0c:30:24:0e:70:10:86:c3:6a:6e:39:fe:

83:20:93:9c:9e:1f:d0:1b:6f:5f:27:45:34:b1:fc:85:bb:a7:

d6:c7:4c:40:7d:c8:c9:da:1a:c5:29:15:25:58:09:51:0e:44:

a0:4b:d8:cc:cc:9b:cf:7d:48:2c:9f:50:9e:9c:e2:44:67:6e:

9d:10:52:65:d9:09:b4:e1:4a:8c:62:86:97:96:1a:5c:7c:dd:

4b:dc:e7:b4:3d:07:ed:a4:3b:93:6c:84:10:12:5f:d8:32:02:

6f:0e:e5:68:4e:b5:12:81:28:45:69:30:4d:a9:0e:d0:25:4d:

a1:1d:a4:f1:bc:41:67:f7:d4:82:b5:69:25:c2:45:11:9e:4d:

b9:42:f8:31:64:c0:05:f7:50:3d:15:76:42:f4:fe:7c:9b:1b:

22:e8:7e:dd:2f:14:d4:32:01:ed:e3:b3:98:37:79:f8:32:0e:

93:11:5a:a8:3f:80:d2:f2:2e:9b:23:f2:43:74:f3:9c:6e:e2:

68:a3:7b:e1:df:30:8b:44:b4:81:b7:35:72:7f:a1:79:4c:e6:

ac:d0:35:54:62:a7:b2:47:f0:e2:17:f0:ad:97:26:d1:8b:88:

39:73:9a:93:ec:ae:c6:0f:88:73:15:ab:38:73:21:94:2e:0e:

8c:2d:a3:b8:61:c1:73:f2:ce:1c:22:08:e3:d4:50:ea:e2:09:

f7:67:a3:5d:ec:4d:c2:fd:c3:11:04:58:ae:e1:b1:40:9f:89:

03:69:ac:43:cb:a7:85:6f:22:5f:40:13:70:3b:b4:33:ed:47:

24:70:d0:8d:9e:5d:d9:34:74:97:20:8f:61:b0:f9:aa:88:87:

18:e5:51:0f:fd:1e:86:28:88:be:bf:8c:0b:6f:f4:79:af:eb:

50:95:0b:0f:46:80:9f:a9:7d:11:95:e0:31:4e:63:56:61:c9:

2a:c6:d7:ae:9a:e3:23:df:8f:20:b0:d6:fa:93:40:a9:48:df:

72:d5:a0:b7:06:9b:da:c9:a8:12:57:7a:9d:74:b1:a4:a5:07:

0e:3e:b3:3a:56:72:a9:9d:d8:65:74:5f:ee:ce:8b:95:12:6a:

cd:ff:fe:5d:e1:35:40:3d:32:64:b0:d0:1f:0e:e1:c5:8f:a7:

a5:6f:ed:f5:dc:48:e5:cb:46:3f:d8:49:12:fc:91:9b:67:64:

19:0e:6c:9d:46:54:1a:dc:8b:7b:13:9c:3b:66:b8:36:c9:8c:

76:ed:9b:02:99:5f:3b:1d:47:6e:4d:86:83:e4:e3:61:60:7a:

83:8a:bb:e6:fc:8d:aa:71:3b:d6:ed:9e:6c:9a:b4:8c:29:98:

59:81:f0:e0:55:aa:18:0d:48:13:e3:e6:c0:c2:ff:64:2f:5a:

e7:68:d2:72:e4:39:b3:62:e1:31:12:42:4a:36:11:2f:5f:58:

79:e0:b0:6b:63:ce:e7:d4:43:dc:51:16:1a:37:da:3f:93:61:

3c:9d:fe:a0:d2:2f:c2:dc:a6:6c:52:83:53:f4:f6:12:23:df:

74:df:be:24:17:bf:f8:66:54:e1:f6:f1:3d:ff:0e:cd:f7:04:

11:a2:50:74:c4:99:03:34:f9:b5:68:9c:74:ae:8f:9f:e4:e8:

b5:a6:5d:69:5f:ff:53:bd:d8:0c:3a:e3:5c:55:7c:98:00:3c:

27:09:24:a4:98:40:b1:ad:9d:e4:19:dc:1e:c5:79:ff:3e:63:

2c:39:5f:d7:b4:64:f6:cb:b2:6c:de:ad:01:7e:b1:98:c4:7d:

d8:d2:3a:e2:65:9a:44:be:ae:c6:af:74:b7:00:1d:66:64:80:

1e:5a:42:48:2e:13:74:f2:b8:6a:c6:15:bd:53:20:46:14:9e:

a0:92:56:a4:53:0c:8a:64:ee:67:12:56:91:6f:9b:f9:0a:31:

3f:1c:27:b5:7a:e1:74:d6:28:93:78:35:5f:d3:53:af:09:e5:

22:9d:24:19:02:24:62:51:bd:f5:cb:82:80:b2:39:b2:d3:c6:

46:3b:66:90:c0:6a:36:23:5b:c0:f2:0e:61:83:f8:46:84:79:

ca:9f:2c:ef:d5:de:35:0a:bb:c2:1f:d0:15:ec:69:5c:87:d7:

15:0b:5c:82:3c:16:ff:cd:e7:fa:19:5c:26:42:5f:da:ce:b9:

25:62:8c:ee:68:80:8e:92:8f:7c:50:d3:25:1f:6a:45:fa:e8:

97:93:a9:11:29:65:8e:6d:c6:4a:88:2e:04:05:e1:ce

Filename: afwCert-rsa-1024-ig.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 7 (0x7)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=a

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 9 17:48:02 2013 GMT

Not After : Apr 9 17:48:02 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=a b c

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:c3:0f:4d:93:4f:a7:69:6a:fe:ef:97:ac:e4:73:

a6:61:51:76:ae:b0:13:80:2b:48:72:35:79:af:7a:

99:80:27:f0:59:fb:a3:36:d2:2f:88:83:86:9f:e5:

76:4b:5d:1d:60:7f:da:f8:01:7f:ed:85:83:94:30:

90:ab:41:31:fa:cf:90:09:ea:79:ad:6e:6c:b4:4b:

20:b1:9a:5a:e3:12:13:f6:9d:a4:4c:99:cb:80:94:

34:0a:74:d0:53:4c:92:c4:e0:0a:fe:f3:72:d1:9b:

8a:b4:11:b5:49:0c:30:9b:cd:70:9b:af:14:68:50:

83:5a:61:c8:d9:22:86:2f:a3

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

04:94:ea:64:df:dd:16:16:7a:7b:18:45:d0:8a:93:2f:c9:34:

18:39:d4:59:5d:40:7b:3c:6f:21:a1:56:dc:d8:84:18:e5:cd:

fb:7d:e6:3b:50:f8:ea:44:0d:ea:ed:cb:50:ac:2a:7e:a4:ed:

f5:f1:b2:01:21:1a:92:ab:5f:f8:fe:2a:6f:37:0a:25:b0:40:

8f:67:9e:21:3d:83:ce:e4:0a:d8:1d:7d:a8:be:a4:67:1e:f8:

b7:9d:bb:38:cc:6c:40:28:79:5f:68:03:a7:e0:08:41:bd:70:

51:c7:63:b1:ff:33:df:f9:15:3a:b5:4f:d9:4d:9f:15:9d:3e:

62:8c:24:39:2e:31:f2:9c:7e:ad:bb:1c:42:c2:10:5f:ca:96:

5e:3a:b9:b7:94:ba:ed:02:58:df:17:00:d0:90:57:f9:39:aa:

4d:98:b8:e6:11:f1:1e:64:99:56:af:f1:fb:6c:90:a1:32:10:

ab:99:e3:c2:18:99:94:f3:a3:3e:fa:54:80:cc:3e:11:1e:fd:

41:6a:da:27:7b:b6:55:58:28:03:71:6e:de:43:58:66:b5:71:

52:19:14:ec:18:9d:c0:55:f2:8c:4e:26:b9:fe:0b:c6:58:59:

8c:de:6d:5a:a7:92:b1:80:95:8f:7f:96:17:da:79:01:82:e7:

ca:2b:22:65

Filename: afwCert-rsa-512-ih.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 8 (0x8)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=a b c

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 9 18:00:47 2013 GMT

Not After : Apr 9 18:00:47 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=qwertyuiopasdfghjklzxcvbnm1234567890 qwertyuiopasdfghjklzxcvbnm1

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (512 bit)

Modulus:

00:c8:e8:57:b3:87:45:ae:d2:8d:d5:ca:37:0e:30:

5b:1d:43:1f:28:f9:a2:8e:0d:e1:d9:2c:63:51:b5:

2b:cd:90:22:c1:cf:3b:1e:c3:6b:90:ac:3c:fc:36:

e8:cc:15:9d:5d:33:2d:de:8c:56:fe:db:b5:7c:ae:

cc:ee:84:ca:49

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

1a:2d:54:75:ae:ed:69:82:5d:75:3b:dd:a4:01:a7:18:00:44:

e4:df:6c:a7:ab:07:c7:68:89:d6:7f:af:a9:1c:23:bb:16:6a:

f0:6c:e7:8d:d6:a5:04:62:50:94:6b:dd:d0:1e:33:54:ae:d0:

35:67:6b:e0:8c:12:5f:26:f0:b4:25:ea:ee:25:ad:10:70:45:

14:c1:c8:1c:0d:35:8a:37:fa:93:16:4b:2d:9f:e6:99:da:3b:

ce:23:36:80:06:df:71:2e:fc:12:23:ce:1b:7e:a7:b1:13:d6:

cb:fb:eb:bf:3a:05:8d:1b:52:16:22:24:f0:84:4b:81:da:2d:

8f:a9

Filename: afwCert-rsa-512-ii.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 9 (0x9)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=qwertyuiopasdfghjklzxcvbnm1234567890 qwertyuiopasdfghjklzxcvbnm1

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Apr 9 18:01:10 2013 GMT

Not After : Apr 9 18:01:10 2014 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=QA

CN=1

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (512 bit)

Modulus:

00:b5:0b:b5:8d:f9:1a:15:86:fe:90:65:37:b8:ff:

a6:e3:7b:5d:13:ff:41:8b:64:ce:c4:0d:d4:ac:45:

a5:03:ca:ca:48:da:cb:b6:fb:23:69:06:0c:a8:ff:

86:67:7c:c7:c3:c3:2c:9f:fa:8c:7c:f7:81:be:f2:

9f:a6:20:f5:2d

Exponent: 65537 (0x10001)

Signature Algorithm: md5WithRSAEncryption

4a:ec:2b:bc:40:10:55:ec:3e:c8:de:13:b6:2a:c3:00:aa:c4:

b6:78:45:18:37:9b:34:97:ed:95:7b:9b:1e:cb:36:6d:65:3b:

24:c0:05:96:67:b7:98:84:0a:4d:b3:57:4b:1a:54:76:ae:54:

cf:5d:75:ba:c9:ec:ba:ff:64:c0

Filename: afwCert-rsa-1024.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 15337463805948969307 (0xd4d99e11f4ffc15b)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems Inc

OU=Quality Assurance

CN=afw

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Oct 10 20:21:03 2012 GMT

Not After : Oct 8 20:21:03 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems Inc

OU=Quality Assurance

CN=afw

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:c1:1f:5e:cf:56:0d:04:3e:45:8c:ba:ed:79:38:

c5:3c:6d:b9:9b:a2:79:a8:f9:ab:23:e0:4b:d3:6d:

a4:84:6e:ef:96:0f:fa:81:71:4e:dc:35:52:95:a2:

d7:50:27:8c:d2:5e:b0:ff:dc:f1:ac:90:72:5f:48:

1f:a0:5e:a5:9b:09:f0:15:f6:fe:50:8d:66:e2:c4:

5f:ca:a8:ae:74:1e:33:0a:48:71:e0:d6:2d:5a:a4:

bb:ed:7c:d6:ca:77:98:6d:48:be:a2:32:97:7a:49:

d0:10:c8:94:ca:f0:c6:4e:66:59:f9:9f:fe:f7:71:

fe:97:22:1b:7c:63:b2:f2:57

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

89:78:BC:6F:E0:1E:71:0D:5E:52:95:22:DF:92:CD:5D:AC:A1:5A:EA

X509v3 Authority Key Identifier:

keyid:89:78:BC:6F:E0:1E:71:0D:5E:52:95:22:DF:92:CD:5D:AC:A1:5A:EA

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace Systems Inc/OU=Quality Assurance/CN=afw/emailAddress=roland.cheng@solacesystems.com

serial:D4:D9:9E:11:F4:FF:C1:5B

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

0f:26:7e:13:d9:99:04:92:f9:ff:13:18:39:01:c8:a6:61:75:

c4:66:72:ef:fa:ae:e3:69:69:d5:5d:96:dc:00:31:38:3c:92:

d5:5c:9f:06:ee:ba:3c:77:90:6e:6b:9d:fa:63:56:ac:79:e7:

03:bf:7e:ce:5a:94:35:39:76:2e:b9:35:10:99:b1:64:38:75:

c3:0e:05:13:56:e6:73:25:c1:cd:eb:d9:8e:c3:92:1c:71:8f:

59:70:da:bb:3b:07:d3:67:57:f8:f1:b0:66:fc:07:c4:37:07:

66:76:8c:04:00:61:ad:38:f7:eb:4b:4c:31:b5:85:cd:60:1b:

91:cb

Filename: cert.pem

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 2 (0x2)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

L=Ottawa

ST=Ontario

O=Solace Systems, Inc

OU=dpochopsky

CN=ca

emailAddress=support@solacesystems.com

Validity

Not Before: May 11 18:58:57 2005 GMT

Not After : May 9 18:58:57 2015 GMT

Subject:

CN=subscriber1

ST=Ontario

O=Solace Systems, Inc

OU=dpochopsky

emailAddress=support@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (512 bit)

Modulus:

00:ac:35:54:dc:13:18:0b:8e:d5:56:0c:e8:48:a1:

2a:13:4c:a8:9c:90:be:f7:ab:17:0b:f5:57:f3:88:

7b:6a:39:2e:34:f0:ff:0c:ce:96:71:18:ad:6f:cf:

9b:f5:49:07:82:fc:b0:54:aa:78:ee:37:46:6d:16:

3f:c0:32:33:61

Exponent: 65537 (0x10001)

Signature Algorithm: sha1WithRSAEncryption

6d:8c:0d:0e:17:3d:82:be:c3:84:c3:d2:b4:6e:27:f0:91:2b:

92:66:4f:72:ee:b3:42:66:00:8f:b0:94:8f:21:59:21:08:5a:

4a:66:40:15:fd:00:da:c7:39:b5:09:57:ac:e4:56:dd:b4:48:

a9:6c:33:6a:23:7d:e1:e0:f0:ee

Filename: depth3server-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 11 (0xb)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps - depth 3

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ad:d5:1b:c9:73:f6:41:f5:cb:6e:e8:9f:70:ac:

39:e8:93:52:a6:ff:dc:d6:96:a0:5d:ff:e8:61:50:

a4:bb:8a:02:2f:6a:58:dd:4d:aa:b9:b9:8e:69:20:

5c:50:ae:e5:73:a0:f8:3b:24:0b:cf:23:9d:9f:4c:

84:05:fc:c4:0b:99:3a:44:5b:74:c6:20:d1:ca:f5:

8a:1b:10:19:5d:0d:a3:a1:f1:6c:22:a1:9c:be:d3:

0f:46:5d:a8:ea:b8:d7:c1:5a:6c:4c:e6:d4:ac:39:

00:8c:ff:ea:23:07:13:69:cd:82:03:89:96:bc:b1:

3e:de:d4:51:ed:09:e1:35:5c:d6:32:4b:41:6b:21:

b6:8e:f1:5f:f3:6d:74:03:0d:4f:d7:c4:f6:79:98:

e8:21:32:88:10:e5:c2:83:56:76:20:60:c3:da:88:

15:95:60:3b:12:9a:21:f4:78:3f:39:0c:cc:f9:c5:

f4:aa:9d:57:cc:ca:eb:86:5e:8b:fe:d3:3c:1c:ae:

87:5c:32:1b:a0:a3:68:f5:fe:5e:0b:f0:7b:8c:db:

14:4c:a2:e0:da:73:55:f9:68:35:66:2e:e9:7f:1a:

27:5a:53:d8:44:b6:02:40:5f:33:31:ab:d6:72:0e:

4e:6d:87:4f:f9:f6:19:f3:4b:fa:ce:36:cc:96:05:

b1:8f:e3:e3:ac:df:2a:dd:31:37:72:0e:58:d2:ad:

bf:e8:5d:72:25:21:45:d2:b6:78:8c:ff:8e:23:32:

8b:3c:53:49:25:09:ca:2d:43:8d:1f:b5:44:74:ec:

67:76:8d:6a:c6:8a:ef:88:cd:3b:33:3e:59:23:66:

61:2a:94:28:24:ce:9f:e9:f9:1b:f1:39:76:01:4b:

1d:23:98:73:3d:f5:7b:77:66:82:7f:65:52:46:a2:

e6:13:90:10:63:9b:eb:c3:66:11:b3:44:e1:fb:00:

55:d9:ab:12:ed:ff:67:36:f6:91:7c:ee:5f:04:46:

5d:37:c8:3d:97:d6:bc:fc:ac:98:c7:a0:cd:e4:89:

6d:cf:52:48:2d:61:6c:26:19:e9:76:8e:b4:66:54:

d1:b1:fd:41:d4:19:3e:15:37:a0:ce:c3:94:ea:3a:

e0:a4:1e:40:0b:3a:78:71:2b:b0:be:ab:a4:e7:56:

92:ee:aa:8c:01:9f:19:bb:f0:10:1e:0d:5b:10:8a:

2e:f2:96:96:03:5b:2d:0c:cf:98:aa:f5:a3:52:25:

b4:8f:33:a9:06:5f:3b:8b:43:e0:c7:dc:f8:e9:39:

fe:d9:e5:2c:7c:3d:43:d9:c0:1d:4c:d5:66:7a:f6:

3a:2f:f0:4f:61:25:7f:23:ad:72:b9:04:67:ae:e9:

05:dd:a1

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

1A:32:10:FE:A3:DF:32:CE:EF:62:66:F2:71:03:2D:09:88:62:BA:BB

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

Signature Algorithm: md5WithRSAEncryption

68:3c:5f:a5:f6:8d:5f:01:20:89:aa:c6:28:c4:3f:61:15:43:

c9:63:c6:c0:eb:73:e3:a0:53:83:45:13:ca:d4:ba:53:23:6b:

71:34:82:eb:69:4d:f9:dd:32:34:e1:22:e7:1a:86:de:a9:cc:

f5:a1:8c:85:e7:ca:64:c5:87:2a:7f:7c:3b:44:77:6c:ce:fb:

79:dd:6a:45:10:3d:71:02:43:04:a7:e2:0f:61:5e:65:c0:5f:

78:4e:e0:ca:57:bd:ad:4b:7d:4e:bf:13:66:d0:94:c6:7b:03:

53:83:51:3f:d1:14:85:cc:70:46:80:4c:8e:39:e3:a1:b1:fd:

52:5a:3b:9d:d1:8f:14:93:f8:3a:86:a9:d5:e1:88:ec:52:94:

fc:15:f5:07:90:98:b8:c0:d9:9a:fc:23:49:0a:29:8c:7a:fa:

b0:6c:40:0c:49:a0:01:81:52:88:05:41:12:6a:8f:7a:c3:15:

1b:90:53:17:e6:ac:bb:b4:35:67:42:bc:aa:a5:fe:cb:55:83:

1a:74:99:08:3d:60:db:35:9f:c7:4e:57:b0:34:2b:46:45:62:

22:44:74:5a:54:b0:a4:ae:45:52:34:59:2b:1c:3d:08:7f:14:

f2:e6:b1:86:d8:a2:97:b3:fd:ad:e0:89:c7:06:23:f1:01:a0:

f7:40:92:5c:b0:55:55:e5:bf:10:fc:8a:f3:9a:f0:f2:5a:12:

19:c7:17:11:e1:5b:b3:52:a7:e5:87:d7:f1:bc:c5:d3:78:b2:

6d:46:a5:c3:c8:59:72:b9:05:e4:25:af:1e:58:1b:2c:0a:65:

eb:2b:5f:b3:eb:78:59:01:34:1b:4a:6f:87:6d:10:3b:18:08:

d8:b3:53:9b:45:5c:fe:ef:db:ac:dc:fc:d7:76:7b:c0:a5:e0:

ea:1c:78:67:b0:d5:fb:5d:0a:b0:da:25:1f:01:28:bd:69:e3:

89:d5:3d:4c:42:2f:53:64:39:47:47:59:b8:6d:aa:fc:2d:25:

7f:de:69:c3:e1:33:9d:f2:3b:39:ec:06:5d:01:53:64:ee:e6:

52:07:db:18:22:3f:0d:9c:4c:f0:5e:05:12:cc:05:82:49:3d:

27:27:fc:f4:0b:2e:8b:97:ad:2a:af:ea:5e:0f:17:63:5a:ab:

6e:42:3d:f1:7f:c7:33:0b:e5:73:07:85:6e:6f:39:c3:97:78:

02:bb:e6:f7:29:a2:fa:7a:08:3b:8b:be:fd:da:39:1f:a4:32:

04:6e:3a:cb:d9:6c:ec:b9:51:9a:ad:b1:1f:19:ab:f6:a0:da:

3e:54:37:fe:ed:0d:c1:86:0f:35:0b:8a:20:84:8f:02:da:1e:

21:52:a3:6d:8c:1c:bc:a9

Chain depth: 1

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Jul 5 15:30:25 2012 GMT

Not After : Jul 5 15:30:25 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

27:27:e8:02:16:77:7b:31:ef:38:71:1e:61:32:d9:0d:24:a4:

5d:e9:68:9c:d6:53:05:1f:46:e4:71:df:b5:58:b1:e2:47:db:

74:92:74:75:e5:c4:ec:37:92:d9:dd:c6:cd:f8:d1:c8:c2:19:

a8:b7:a7:33:38:b9:16:62:0f:4d:95:6a:59:f7:e2:f1:e6:54:

33:7f:e7:b9:c2:4f:46:64:1c:0c:cf:b7:56:42:f4:92:7f:3f:

58:3a:3f:8b:48:b5:10:f3:61:8d:5f:5c:33:72:65:64:c6:42:

99:32:13:0d:58:e2:ed:a8:18:53:04:5c:c3:73:e7:3c:43:45:

5c:bf:df:8b:49:a6:84:8c:6c:7a:e8:b5:90:a1:d9:7d:47:b9:

9a:9f:83:89:69:00:97:96:77:01:0a:90:f2:d9:1c:04:d4:8a:

aa:04:40:fe:af:52:49:9a:3c:a0:69:1c:68:24:1a:f8:da:82:

79:d1:fe:f3:8a:db:c8:a7:63:f7:65:93:48:58:90:94:be:d4:

5c:f2:f7:52:bb:b0:2e:cb:e8:a2:3e:c0:7c:20:fd:17:4a:e7:

1d:af:cd:52:34:34:33:6a:ad:0b:29:5e:22:af:b1:ca:e6:0e:

35:97:a1:24:b5:3f:ea:0f:d5:58:d8:6b:f3:19:a8:7b:7a:ca:

76:be:4e:4a:64:e6:1e:b3:dd:d4:75:51:99:2d:df:8f:7a:ec:

48:63:aa:40:ce:a0:58:6c:22:d0:22:63:fc:7d:a3:94:24:11:

a4:59:55:70:55:b7:0c:97:d8:b6:5e:e4:ee:c1:42:d5:6c:8a:

16:bc:2f:35:0c:15:ba:40:ec:43:35:5a:6a:17:39:58:35:49:

be:3d:a8:60:ba:ca:a4:fb:a7:87:3a:41:32:87:82:34:ad:42:

90:14:ec:4b:d3:47:1d:b8:40:a3:15:09:93:73:80:17:90:ce:

15:fd:1e:62:b6:6a:7b:66:d5:f9:bb:8f:7c:bf:a2:f7:8c:d6:

dc:92:66:44:08:03:4a:11:8e:aa:ec:3a:29:29:96:e0:7c:ce:

64:51:f7:4f:45:8c:be:7a:bb:35:3b:2d:b7:5a:2f:37:9d:2a:

b4:e3:0c:c5:87:a6:ef:60:4c:55:7c:25:94:65:10:0b:b3:de:

5d:27:3a:02:91:35:65:24:c2:55:4c:1e:46:b5:9f:81:7a:41:

55:e7:19:41:92:ff:69:28:25:d9:9a:24:c7:08:78:96:73:39:

66:f9:9e:14:f9:b2:ba:5e:3b:91:5b:c2:7d:da:b0:bf:10:31:

1c:be:94:93:90:f5:d4:5f:4f:93:8e:35:d3:bf:ef:8d:a8:34:

ab:1f:e7:90:74:86:90:2a

Chain depth: 2

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2011 GMT

Not After : Jan 1 00:00:00 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

45:bb:c5:a1:ad:ee:ae:9b:dd:e3:e2:43:0b:cb:d9:43:e1:04:

fb:d3:96:1d:0b:41:01:94:a9:42:27:41:55:46:78:0e:41:6a:

4a:1a:d5:95:37:da:e7:e2:83:b0:b4:44:a0:6b:d4:a8:65:25:

6b:c5:fd:f4:ae:62:e1:64:42:e7:fb:50:b7:0f:31:39:a6:09:

08:25:83:d2:66:9e:82:3a:6a:37:d5:ff:25:17:85:42:ec:96:

4f:26:1c:af:49:f0:d7:c5:58:c4:5a:79:91:70:56:64:4a:87:

e0:0e:64:56:b8:d4:91:1e:e1:9e:53:92:73:94:aa:c5:c2:32:

33:04

Chain depth: 3

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: cacert.pem

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 16231561458438007279 (0xe1421725e01e69ef)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=Quality Assurance

CN=sol-qa-01

emailAddress=james.willis@solacesystems.com

Validity

Not Before: Jul 22 19:53:08 2016 GMT

Not After : Jun 28 19:53:08 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=Quality Assurance

CN=sol-qa-01

emailAddress=james.willis@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:ea:0e:0d:3e:4c:c0:b5:d0:6a:7d:1b:8a:0f:13:

9c:49:81:05:18:3e:9c:83:fb:bf:82:16:e3:ec:a6:

8b:67:60:01:ae:fa:05:20:88:d5:ee:76:fe:b0:97:

e5:d0:8e:b9:6b:a1:56:85:66:24:71:e5:07:ff:4e:

20:0e:b2:93:73:00:6c:d8:62:35:b0:a8:3d:22:4d:

7e:f3:58:b9:67:48:70:a4:08:c6:37:92:b0:29:e3:

1f:f3:83:a8:d8:f5:c8:df:07:87:3b:9a:f2:59:48:

1d:61:a8:4b:42:a7:39:2b:fd:eb:cd:93:a5:18:6a:

d2:71:85:1b:cf:44:bb:e2:26:5a:26:d4:7f:88:b6:

1f:04:cd:5e:b9:d5:57:2f:80:dd:20:d4:a1:3d:50:

c6:77:ec:21:74:44:db:aa:22:dc:72:15:f2:af:6a:

3f:df:e7:da:06:c3:19:82:30:aa:7d:fe:fc:db:86:

b8:1f:3a:23:35:15:c3:d8:15:9d:6e:2b:80:85:14:

d0:a3:4f:53:25:8d:65:e5:3f:b9:08:e5:ea:c8:07:

7a:ad:ed:12:84:3a:48:3b:d8:cb:ae:e3:8c:7c:e1:

17:fe:67:52:e8:fc:fe:98:d8:05:48:0e:d1:c5:01:

8a:97:a9:22:38:d7:48:9d:59:db:59:59:bf:d2:a4:

73:ad

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

6E:EE:FD:14:CA:1E:4B:A6:C5:4B:D4:10:B2:51:D5:71:60:62:D4:2F

X509v3 Authority Key Identifier:

keyid:6E:EE:FD:14:CA:1E:4B:A6:C5:4B:D4:10:B2:51:D5:71:60:62:D4:2F

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

80:17:88:df:8a:e2:11:48:dc:2b:eb:37:de:6c:d7:da:4d:e6:

e1:84:26:dd:18:cf:27:fa:89:fa:38:58:b4:51:f7:81:ec:96:

da:40:3f:f5:73:6b:ed:c5:fa:d4:07:c7:df:23:c5:20:af:c6:

81:cf:0e:74:68:48:8b:0e:90:fb:72:a3:71:90:27:46:1c:cc:

71:eb:2c:57:47:c2:a5:78:e6:7e:d1:06:f1:89:94:99:20:ef:

8c:f3:31:c2:6f:e6:f4:24:9b:f6:f4:4a:cb:99:fc:b7:07:72:

c0:e5:f2:bd:8d:29:34:da:e5:c6:ba:4c:0b:ed:af:b3:9c:55:

b7:22:fc:25:dc:7b:95:f2:9f:4f:40:55:a4:42:63:71:5a:e5:

82:53:1c:4b:21:c7:2f:bb:ed:76:4c:f0:5e:19:c5:75:66:3e:

46:51:29:73:82:23:b3:91:15:b7:d4:2f:d7:71:04:d7:96:37:

70:cf:20:e4:fe:24:1d:4b:d3:d6:b0:c8:0e:e2:f2:0c:56:e8:

ca:d1:b0:f1:67:d8:47:6f:c0:47:6e:c8:75:95:32:06:16:23:

23:40:bc:2b:5e:f8:7e:cf:9e:9f:82:40:33:25:16:1b:34:3c:

ea:b8:f2:2f:fd:70:32:1c:9f:a4:b1:f6:37:f8:05:ad:f8:42:

5f:c7:3f:70

Filename: mycert.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 12132645341674646070 (0xa85fd0a82050aa36)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontaria

L=Ottawa

O=Solace Systems

OU=Application

CN=a28

emailAddress=liang.chen@solacesystems.com

Validity

Not Before: Jun 20 15:18:07 2012 GMT

Not After : Jun 21 15:18:07 2022 GMT

Subject:

C=CA

ST=Ontaria

L=Ottawa

O=Solace Systems

OU=Application

CN=a28

emailAddress=liang.chen@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:f7:85:1e:6d:6d:82:d9:14:a4:05:b3:37:f6:d5:

05:b1:b3:32:9e:c0:f9:29:47:0d:aa:32:33:27:a4:

ff:63:2c:8d:bb:65:6c:91:cb:3e:d3:51:55:bd:f3:

d3:47:a8:c9:61:a0:55:63:30:15:e6:9d:5d:43:cd:

d2:ca:c5:3c:d5:15:db:50:94:f6:21:b2:38:66:b2:

f1:99:95:5d:39:f8:25:2b:b1:5f:cc:38:04:16:d6:

3e:a7:cc:52:3c:7e:8c:b7:cb:2d:5d:b6:81:f6:ed:

1a:5c:b3:d4:8c:35:61:e6:95:86:99:f9:61:71:ea:

8b:77:5e:b8:4d:8e:28:c9:73

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

02:CD:F4:3A:87:82:CC:59:06:09:7C:0E:07:76:7C:F3:0E:4C:79:D8

X509v3 Authority Key Identifier:

keyid:02:CD:F4:3A:87:82:CC:59:06:09:7C:0E:07:76:7C:F3:0E:4C:79:D8

DirName:/C=CA/ST=Ontaria/L=Ottawa/O=Solace Systems/OU=Application/CN=a28/emailAddress=liang.chen@solacesystems.com

serial:A8:5F:D0:A8:20:50:AA:36

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

c5:1e:34:8b:c2:b3:e1:6b:e9:08:45:39:fc:94:7a:3a:8d:86:

db:3d:a1:6c:74:d0:73:57:00:95:c7:6a:1f:16:03:32:4e:b1:

82:bb:b7:34:a7:69:3f:de:85:df:8d:f6:15:01:0f:f8:0a:4e:

1f:1f:de:c2:49:de:80:f7:c5:e3:6d:7f:fd:a5:f6:85:83:0e:

f7:cc:ce:2e:c9:ad:6b:37:ae:07:4c:99:f2:c7:87:08:7a:f9:

a7:08:a0:39:47:66:b3:78:f0:0b:79:f2:e2:b5:39:39:d1:01:

da:16:a4:86:83:33:48:82:4b:99:d1:b0:0b:65:d8:83:a6:03:

35:70

Filename: afwCert-rsa-2048.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 14425736186189626148 (0xc83282a16954bb24)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems Inc

OU=Quality Assurance

CN=afw

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Oct 10 20:26:19 2012 GMT

Not After : Oct 8 20:26:19 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems Inc

OU=Quality Assurance

CN=afw

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a3:df:d2:61:fd:a7:db:76:f1:47:fb:60:ca:51:

4f:7c:a7:8c:84:0d:f7:e6:b6:bf:05:70:6f:32:f1:

18:ca:99:0a:7c:ee:11:6d:c7:4f:24:06:b3:91:d4:

9f:a9:70:c3:28:5b:af:45:b8:1d:7e:8b:6f:56:2c:

d3:81:3a:d0:19:7d:54:5e:ab:08:94:b8:1f:ea:03:

16:91:48:91:02:c8:90:e7:14:a9:31:00:68:04:f2:

63:74:bc:9e:30:35:dc:0b:db:be:47:d8:5e:cf:ff:

77:af:90:2f:8c:3d:33:7c:08:78:8a:c5:37:05:54:

bc:9f:65:58:d9:35:6d:d0:de:f9:16:b9:00:42:ce:

17:33:1f:a6:da:72:d0:41:f2:4b:c1:e8:89:15:44:

bb:f1:c2:50:06:88:8a:24:f0:2c:e5:40:e8:a6:02:

a0:75:7d:07:18:40:0e:ef:97:c6:a5:3c:c6:66:40:

54:6f:3c:02:d9:9e:cc:2f:d9:1c:d1:a8:ac:23:f7:

77:d0:a7:05:97:68:40:b3:4c:f1:a5:6f:9b:4c:39:

1f:e7:ec:5c:17:3f:4f:33:5c:84:95:5e:b6:33:1b:

b5:e4:ae:28:46:20:f3:18:f0:ec:7a:14:39:07:00:

14:8d:3e:35:8e:cb:bb:2d:89:61:1b:ad:ba:21:65:

ba:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

EB:3B:BE:01:D8:AE:4E:3F:17:E4:C9:76:78:31:33:21:F3:84:E8:1F

X509v3 Authority Key Identifier:

keyid:EB:3B:BE:01:D8:AE:4E:3F:17:E4:C9:76:78:31:33:21:F3:84:E8:1F

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace Systems Inc/OU=Quality Assurance/CN=afw/emailAddress=roland.cheng@solacesystems.com

serial:C8:32:82:A1:69:54:BB:24

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

8f:6a:0f:05:79:3e:55:d6:8d:3d:db:59:c4:b6:e7:79:c1:50:

d8:fb:e8:f2:cb:69:29:92:76:04:45:a8:71:11:aa:c5:b8:64:

42:0b:26:0c:eb:5c:4f:7d:5b:81:e8:c2:97:8d:80:cc:eb:3f:

bd:55:87:79:e0:c6:83:04:fd:dc:0d:39:38:04:8d:67:d9:80:

2b:2d:89:b7:ce:1b:a1:ac:63:c2:9f:43:98:7b:87:89:8d:e1:

eb:b6:14:50:2c:89:a1:4c:6a:39:30:35:dc:5d:5f:f1:d6:93:

4d:77:61:6e:36:41:3d:00:f7:30:07:25:81:ef:b4:32:83:66:

b5:cc:32:1f:bd:de:a4:4f:6f:d9:39:cd:2c:3c:b9:72:a8:13:

28:37:9e:12:59:b1:70:b6:d4:1a:ba:03:64:ec:b2:af:4b:b9:

61:ed:05:12:87:fb:46:3c:3b:29:42:91:ea:7c:0d:b5:5e:95:

30:7b:87:ae:3b:f5:8c:42:ab:4a:49:65:39:17:4a:19:d8:83:

46:4f:7e:29:ae:b0:1d:5a:b9:91:84:c9:26:96:df:c3:99:3a:

1c:0a:45:4a:65:76:d7:8d:d2:88:18:86:69:01:35:7f:0f:c9:

8a:36:1e:a5:47:1a:6c:04:75:44:1d:7f:c5:73:a5:72:e7:55:

71:51:e8:88

Filename: vmr-132-69.cli

Certificate: No

Private Key: No

Private Key Password: No

Filename: depth4server-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 10 (0xa)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps - depth 4

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:d3:e7:a2:27:3e:5d:6c:ec:9d:ac:76:1d:b8:e7:

84:d6:c3:be:df:c6:02:c5:3f:7e:5b:9a:60:e9:84:

b3:0a:04:0d:f5:d9:6d:4d:63:27:a9:bc:dd:f3:c1:

43:d9:66:76:94:6c:69:09:5b:bd:a7:b8:82:60:62:

cc:7b:48:22:39:4e:aa:b9:4b:4d:c3:df:6c:40:25:

1f:de:89:05:23:15:77:22:ef:eb:47:31:85:0a:9a:

40:2b:b5:81:45:9a:50:fb:87:8a:73:7a:89:14:8a:

3d:30:fd:3c:9b:d5:48:09:47:ef:b2:af:96:93:1c:

ca:c3:7d:7a:c9:60:c8:59:0f:7c:0f:54:6c:5d:f4:

fb:53:88:5f:9a:2f:6c:78:63:dd:3e:f7:d3:5b:c7:

b4:85:da:99:4a:14:2f:f7:85:0e:f3:40:eb:2e:77:

79:9f:6c:b0:b9:32:6f:01:4b:54:0b:d0:88:ec:ef:

dd:c9:1d:fa:47:d0:d6:82:76:c8:d5:f0:ab:c5:5b:

ce:1b:b9:2d:97:9f:7c:17:9d:f8:ef:50:b4:a0:00:

9b:1b:f6:7e:5d:5b:90:ca:6b:94:f3:22:2d:f4:46:

c6:2e:94:77:ef:92:8a:56:6d:56:46:86:21:fe:65:

68:83:01:1c:87:84:ee:f0:fc:26:73:e4:c8:fe:85:

24:8a:c5:fd:51:ab:91:4f:ae:9d:f8:68:bb:70:3a:

21:be:9c:2d:23:ef:03:a2:ff:5c:92:d2:f7:c0:78:

77:6f:b8:27:39:af:46:b1:87:4c:fa:d0:49:36:a2:

6f:04:20:cf:04:8d:0e:b1:ae:e8:94:18:a2:57:d0:

be:6b:71:c8:3c:19:ad:2e:50:4d:72:bb:95:d4:25:

b2:75:dd:e1:b1:1b:0c:c6:09:49:65:c5:ef:6d:b0:

1b:90:42:56:da:fb:92:2c:8e:9f:f6:e5:fe:1b:20:

50:5d:98:74:e6:8a:ab:37:f0:6f:f4:a6:6b:16:bf:

5a:35:1e:bb:d4:d6:91:2f:5d:c5:f2:dd:fa:ca:88:

a1:d4:11:8a:5e:67:6a:27:f2:c9:2f:f4:15:3f:54:

ee:fd:72:69:26:91:dc:c4:97:37:36:e6:69:b5:ff:

c6:11:0d:89:c1:31:49:69:8e:0d:05:35:69:fb:28:

39:13:4d:1a:b2:d8:8e:3a:bb:26:05:39:02:bc:02:

a4:e1:df:4d:92:da:92:32:c7:77:fa:cd:11:cb:2a:

1c:d7:e7:d2:e2:2a:cf:00:70:fe:2f:8a:f6:d9:83:

a5:27:dc:35:a0:1e:b7:24:6d:f0:0d:d0:c5:11:37:

d5:28:0a:35:96:84:12:54:76:99:33:86:80:68:06:

d6:1b:0f

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

03:13:09:76:3F:B2:AE:29:03:92:14:14:B3:A8:86:3D:E8:A3:7F:53

X509v3 Authority Key Identifier:

keyid:D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL3\_CA

serial:09

Signature Algorithm: md5WithRSAEncryption

1d:39:57:08:a3:fe:ae:b0:83:60:49:64:32:62:0d:5f:a5:3b:

3e:49:6b:e6:c4:91:8a:6e:4a:80:96:1b:03:0e:3b:1c:fa:98:

25:a5:d5:73:bf:4b:67:71:a9:9e:d6:31:4c:05:54:aa:bc:ae:

09:9a:fa:e5:02:34:5e:dd:16:07:63:60:3a:95:35:ad:18:27:

cf:44:15:be:bc:f2:93:17:eb:3e:08:21:d0:4e:19:c1:c5:bf:

f9:08:6c:25:92:ca:1c:f9:32:69:e1:8f:55:f2:4b:10:80:3a:

6d:b8:a6:6c:d8:f5:7c:80:e7:6f:c3:c8:45:33:6f:b2:8e:c1:

25:aa:d9:38:77:15:21:26:43:4c:6f:a5:78:1d:47:b3:1a:62:

3e:17:e4:d1:b2:a4:47:91:f8:d8:a2:38:65:bb:6c:01:54:84:

34:0e:f7:e5:e0:44:a1:df:94:67:c2:58:f8:7f:e4:eb:f6:d3:

89:f0:fb:8d:95:24:48:2e:ac:2a:52:0a:30:78:62:b5:5e:77:

72:dc:cb:ec:c5:d3:47:ba:55:ce:98:37:16:ed:9e:78:74:03:

af:93:88:88:f9:0b:35:71:97:cf:c0:2c:6d:17:81:4f:ef:0c:

b0:b4:a5:36:aa:88:fe:7f:4b:f0:4e:20:a1:1e:f3:80:cc:3a:

b3:fc:30:91:e7:d3:03:a9:e1:72:63:5b:de:29:a3:5d:46:30:

63:ec:70:32:d9:e1:03:e0:25:45:8a:34:c1:72:4c:e5:b5:8f:

7e:23:ba:8e:93:cc:d9:69:10:6c:b9:ca:37:04:4d:fe:31:66:

79:31:dc:a9:b9:ff:19:f0:0d:b6:28:54:6b:a7:21:fd:b8:f8:

bb:3d:47:f7:7b:33:ac:c3:79:a5:e1:bd:41:9d:98:9e:2e:3e:

8c:f0:ea:c1:27:a0:51:83:e1:d2:94:36:65:4a:83:20:2a:b8:

a4:dd:ff:01:84:fa:7e:28:8e:fb:47:40:09:6e:d2:39:ad:af:

79:48:6e:2f:90:f4:28:a1:87:a9:9e:40:5d:04:e7:29:f3:f0:

2c:b6:c4:ad:f8:62:08:d6:95:8c:b0:1c:3e:84:af:84:88:57:

15:10:13:eb:2c:65:da:3f:a6:54:03:03:4f:7f:59:5f:55:d3:

b8:a2:92:62:ff:ea:8b:85:3f:b5:52:1b:e5:a8:c5:ea:9c:41:

79:87:a2:2f:46:8a:1b:cf:7a:66:47:4c:c8:1a:27:3f:04:fc:

b3:f6:e6:55:a6:a4:ed:dd:14:3c:8e:19:ca:b0:20:ed:27:4b:

c2:79:70:51:11:52:3b:8e:7b:f9:d3:0d:8c:b7:f5:e4:42:ae:

f5:46:3b:1d:a3:c2:fb:7c

Chain depth: 1

Version: 3 (0x2)

Serial Number: 9 (0x9)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ec:42:83:6c:3a:81:23:fe:e5:83:1b:e8:b9:63:

ac:d0:33:ab:b8:fa:c6:d9:e8:93:48:3c:2f:79:ef:

fc:93:c7:47:97:a8:e3:e0:dd:05:4c:e9:44:ff:6d:

4e:c2:e7:79:e8:c1:3d:22:1a:d8:91:89:9a:86:51:

fb:46:1f:bb:0b:ea:7f:bd:3d:03:ac:60:de:ec:b8:

80:bc:d7:71:47:4d:15:43:d1:1d:05:09:22:bd:35:

10:03:09:c1:b0:2d:0d:66:f7:29:63:d6:1d:6c:4a:

7c:fe:68:0d:52:22:21:e5:0c:14:5f:47:c6:a5:d6:

e6:1f:5e:45:e6:b8:0c:b7:48:fc:e1:db:43:c5:59:

51:8a:0d:9b:16:1c:30:4e:1b:47:3f:91:ca:43:b6:

20:0e:98:34:97:cd:cc:6a:48:fd:ac:d5:9d:08:f7:

c8:fb:6b:d9:a4:8d:3f:50:25:7f:01:f2:5e:48:36:

bc:87:60:8b:55:2b:18:1e:0c:f9:d6:65:91:94:fb:

61:14:b9:1e:0e:14:99:7a:33:c1:f9:84:c4:d4:46:

f7:a6:d7:51:a9:26:09:a3:9f:32:7e:58:f3:28:0f:

47:68:57:c4:95:99:a2:20:7e:df:ff:f3:94:2d:6c:

92:90:90:9b:46:b2:c8:bf:5e:94:94:3c:76:f7:82:

41:3b:1d:85:a2:f9:95:35:47:2f:f5:58:26:2c:a3:

bc:6f:47:a5:0a:cc:af:23:0f:aa:f4:91:72:ff:5a:

41:5d:f6:1e:e6:5d:37:68:5b:21:5d:ae:c9:ac:5f:

bb:3e:4e:9c:fb:1c:3d:af:23:2f:35:09:96:71:ed:

f8:1d:d5:19:7d:53:8f:b8:e5:74:76:80:c9:ad:89:

e6:ef:79:0e:3d:e4:ae:45:fb:d7:22:26:db:73:b1:

19:57:1f:68:fe:c9:8b:41:88:7d:7c:da:33:3a:68:

eb:b1:ee:d9:d7:6c:06:e9:8a:9e:d9:03:46:19:e5:

c3:90:c2:8d:2e:8c:e8:89:c0:81:b4:4e:18:71:18:

39:4a:33:49:5e:06:c3:ea:47:e6:03:f9:65:34:2c:

81:b3:e7:02:94:8a:50:81:9e:8f:4e:d0:24:34:7e:

2c:b6:66:f8:a5:f5:f1:50:3b:95:f0:f0:9c:a2:14:

94:73:b7:15:0a:a0:25:39:85:67:fe:f6:3f:c0:81:

dd:47:07:6c:d2:4e:be:db:78:d2:ba:ff:67:1a:5a:

11:5a:95:b1:7b:9c:38:a9:f5:26:d6:d1:30:70:2e:

13:97:e5:6d:85:7a:b3:94:67:8d:11:58:ac:0e:25:

0d:5a:ff:c8:c2:95:23:9d:ef:08:21:18:dc:c5:18:

d2:19:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

85:85:a1:19:10:42:c7:e5:ee:82:e5:79:f5:2b:69:29:59:9e:

cb:58:c6:23:f9:c3:7c:86:75:12:80:68:47:12:c2:15:9e:08:

c0:c1:e6:e9:40:22:76:04:0a:f5:ad:3c:06:5c:ff:f1:d4:cd:

7e:d7:8b:56:0f:e8:f0:25:62:72:43:0e:a8:95:53:87:42:80:

10:f2:b6:ce:ec:5a:0f:40:52:91:56:10:bd:cf:bc:a4:2f:ad:

42:d2:10:95:fc:bf:c2:ab:90:11:fd:ca:2f:33:af:fd:a7:19:

4e:d0:a3:1e:c9:44:6a:93:a9:a5:38:fe:43:09:d8:3e:9e:14:

ca:c6:e4:3b:cd:e8:28:5c:47:ac:9c:03:9e:ea:bd:9d:f0:d1:

42:55:18:11:cc:53:c7:b4:18:65:db:08:fc:b8:f2:c2:3f:6b:

4d:e0:02:73:58:53:1d:e8:ad:ad:03:71:5d:31:04:20:09:c3:

32:e0:41:f3:4c:1a:a2:67:63:fb:aa:8a:ed:31:d5:89:3b:61:

4d:16:58:c6:39:90:46:a7:76:bc:3d:f9:23:40:63:ea:1b:de:

3e:64:17:6e:38:c2:76:a5:87:1a:ed:13:c3:ac:de:56:b1:d4:

1f:68:82:05:1a:a9:62:b5:2d:f9:e4:1b:8f:b2:8c:4a:4e:31:

9a:7a:9e:b4:3c:08:00:fe:32:9f:fc:68:79:b0:3d:9b:83:c5:

6b:a8:6f:ce:fa:e6:61:81:0c:50:9d:57:fa:60:57:58:f4:91:

4b:d9:b5:d4:13:fa:cb:4f:69:02:4b:0c:67:8c:aa:8e:07:78:

27:10:3e:fd:39:dc:5f:44:78:a9:e9:6d:78:30:43:aa:39:4d:

63:ee:0d:5e:8c:87:55:a4:39:c2:32:ba:ed:49:e2:5e:aa:9e:

d7:22:2a:47:6e:c9:9d:f2:50:b6:ce:7c:5e:48:10:65:ce:7e:

78:aa:be:79:18:76:4f:13:05:72:76:a1:b8:61:9b:00:88:f4:

e6:7c:80:27:a2:42:ea:b2:64:b7:df:b2:10:32:88:83:07:f0:

f0:21:47:d6:e1:9a:70:a6:76:c9:c3:3d:83:ed:a9:b9:4f:62:

52:41:db:1f:30:40:d6:ac:22:e0:43:70:4d:9d:97:48:f5:52:

78:15:84:1e:25:ba:d2:66:dc:84:9c:ed:61:25:f8:27:f9:b4:

dc:1c:19:c3:16:1a:47:6e:b6:1a:8e:d5:8d:6c:1d:0c:e9:d3:

3d:41:f5:58:91:30:08:74:05:e4:5a:a7:1f:94:02:8e:d4:99:

e1:61:19:b9:b0:d2:59:af:a2:e0:e8:4e:f3:20:35:72:9d:3e:

6a:db:d3:9c:7c:79:44:fb

Chain depth: 2

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Jul 5 15:30:25 2012 GMT

Not After : Jul 5 15:30:25 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

27:27:e8:02:16:77:7b:31:ef:38:71:1e:61:32:d9:0d:24:a4:

5d:e9:68:9c:d6:53:05:1f:46:e4:71:df:b5:58:b1:e2:47:db:

74:92:74:75:e5:c4:ec:37:92:d9:dd:c6:cd:f8:d1:c8:c2:19:

a8:b7:a7:33:38:b9:16:62:0f:4d:95:6a:59:f7:e2:f1:e6:54:

33:7f:e7:b9:c2:4f:46:64:1c:0c:cf:b7:56:42:f4:92:7f:3f:

58:3a:3f:8b:48:b5:10:f3:61:8d:5f:5c:33:72:65:64:c6:42:

99:32:13:0d:58:e2:ed:a8:18:53:04:5c:c3:73:e7:3c:43:45:

5c:bf:df:8b:49:a6:84:8c:6c:7a:e8:b5:90:a1:d9:7d:47:b9:

9a:9f:83:89:69:00:97:96:77:01:0a:90:f2:d9:1c:04:d4:8a:

aa:04:40:fe:af:52:49:9a:3c:a0:69:1c:68:24:1a:f8:da:82:

79:d1:fe:f3:8a:db:c8:a7:63:f7:65:93:48:58:90:94:be:d4:

5c:f2:f7:52:bb:b0:2e:cb:e8:a2:3e:c0:7c:20:fd:17:4a:e7:

1d:af:cd:52:34:34:33:6a:ad:0b:29:5e:22:af:b1:ca:e6:0e:

35:97:a1:24:b5:3f:ea:0f:d5:58:d8:6b:f3:19:a8:7b:7a:ca:

76:be:4e:4a:64:e6:1e:b3:dd:d4:75:51:99:2d:df:8f:7a:ec:

48:63:aa:40:ce:a0:58:6c:22:d0:22:63:fc:7d:a3:94:24:11:

a4:59:55:70:55:b7:0c:97:d8:b6:5e:e4:ee:c1:42:d5:6c:8a:

16:bc:2f:35:0c:15:ba:40:ec:43:35:5a:6a:17:39:58:35:49:

be:3d:a8:60:ba:ca:a4:fb:a7:87:3a:41:32:87:82:34:ad:42:

90:14:ec:4b:d3:47:1d:b8:40:a3:15:09:93:73:80:17:90:ce:

15:fd:1e:62:b6:6a:7b:66:d5:f9:bb:8f:7c:bf:a2:f7:8c:d6:

dc:92:66:44:08:03:4a:11:8e:aa:ec:3a:29:29:96:e0:7c:ce:

64:51:f7:4f:45:8c:be:7a:bb:35:3b:2d:b7:5a:2f:37:9d:2a:

b4:e3:0c:c5:87:a6:ef:60:4c:55:7c:25:94:65:10:0b:b3:de:

5d:27:3a:02:91:35:65:24:c2:55:4c:1e:46:b5:9f:81:7a:41:

55:e7:19:41:92:ff:69:28:25:d9:9a:24:c7:08:78:96:73:39:

66:f9:9e:14:f9:b2:ba:5e:3b:91:5b:c2:7d:da:b0:bf:10:31:

1c:be:94:93:90:f5:d4:5f:4f:93:8e:35:d3:bf:ef:8d:a8:34:

ab:1f:e7:90:74:86:90:2a

Chain depth: 3

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:26:16 2012 GMT

Not After : Jul 5 15:26:16 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

70:bc:17:27:3a:c6:10:75:65:fc:c3:c2:ef:0b:91:61:ca:36:

c7:e8:ba:5e:e0:b7:02:ed:31:cf:0d:2b:1f:dc:3e:f8:66:17:

b7:d4:2a:77:e2:eb:6b:03:cf:59:a6:c0:ef:64:e0:a0:bb:8b:

b0:1a:5c:28:4a:c4:2e:63:93:12:5b:9d:c1:3a:b8:ac:06:3b:

c3:d5:6a:0c:2a:58:2e:dc:ad:79:b2:1a:78:98:7a:44:9a:38:

72:4c:88:43:ac:2b:24:64:e0:35:5c:d5:0e:16:8e:58:fe:58:

2c:9f:61:1c:45:87:55:82:0d:80:80:05:41:df:ca:ec:07:b9:

7d:48

Chain depth: 4

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: expired\_selfSigned.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 18301595448391727668 (0xfdfc5418244b7a34)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Ottawa

O=Solace System

OU=APPL

CN=www.a28.solacesystems.com

emailAddress=liang.chen@solacesystems.com

Validity

Not Before: Jun 21 18:02:51 2012 GMT

Not After : Jun 22 18:02:51 2012 GMT

Subject:

C=CA

ST=Ontario

L=Ottawa

O=Solace System

OU=APPL

CN=www.a28.solacesystems.com

emailAddress=liang.chen@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:f7:85:1e:6d:6d:82:d9:14:a4:05:b3:37:f6:d5:

05:b1:b3:32:9e:c0:f9:29:47:0d:aa:32:33:27:a4:

ff:63:2c:8d:bb:65:6c:91:cb:3e:d3:51:55:bd:f3:

d3:47:a8:c9:61:a0:55:63:30:15:e6:9d:5d:43:cd:

d2:ca:c5:3c:d5:15:db:50:94:f6:21:b2:38:66:b2:

f1:99:95:5d:39:f8:25:2b:b1:5f:cc:38:04:16:d6:

3e:a7:cc:52:3c:7e:8c:b7:cb:2d:5d:b6:81:f6:ed:

1a:5c:b3:d4:8c:35:61:e6:95:86:99:f9:61:71:ea:

8b:77:5e:b8:4d:8e:28:c9:73

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

02:CD:F4:3A:87:82:CC:59:06:09:7C:0E:07:76:7C:F3:0E:4C:79:D8

X509v3 Authority Key Identifier:

keyid:02:CD:F4:3A:87:82:CC:59:06:09:7C:0E:07:76:7C:F3:0E:4C:79:D8

DirName:/C=CA/ST=Ontario/L=Ottawa/O=Solace System/OU=APPL/CN=www.a28.solacesystems.com/emailAddress=liang.chen@solacesystems.com

serial:FD:FC:54:18:24:4B:7A:34

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

51:1a:31:49:cd:8f:ca:8b:91:62:71:60:c7:67:e3:db:1e:fb:

1d:bc:c1:67:85:0c:4c:4f:50:79:e5:20:d2:ce:66:c4:e8:51:

cb:ad:a6:4d:2b:df:40:f6:fe:a5:3f:6f:92:30:be:34:b3:2c:

e0:64:a5:e7:c5:6a:88:ed:f3:3c:34:bb:7d:d3:eb:b8:45:b4:

59:dc:3b:6b:34:1c:47:c7:a8:d8:b8:af:a6:39:dc:3b:82:62:

94:6b:f5:cb:e9:7b:f1:b8:89:fb:99:2c:78:00:25:5f:5c:98:

2e:b8:30:9e:ea:2f:ee:91:97:2e:75:c4:79:cb:12:63:2d:51:

bc:a2

Filename: expired-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 4 (0x4)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Mar 1 00:00:00 2012 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps - expired

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:a8:64:08:2f:f6:c1:bb:e8:2d:33:a4:82:71:63:

2d:a3:34:27:f7:a5:e5:c0:49:8c:6e:c4:91:85:ad:

70:87:66:c3:e1:86:28:80:0b:b4:5d:44:56:d7:31:

71:a7:9e:79:db:a4:50:b9:60:9b:0c:9e:48:cb:3e:

ec:a6:89:c0:99:5d:55:46:ed:dd:e7:9b:91:ff:f2:

8e:92:cd:02:83:75:b2:61:16:32:c6:e4:35:6e:ee:

62:a5:13:3a:cd:76:2c:47:43:a2:cb:db:2c:21:e3:

6e:a3:fd:5f:da:46:32:c4:12:7f:40:f4:b7:f7:30:

af:3f:3a:07:8f:f8:7b:f1:c3:6f:1d:31:d3:5a:cf:

e4:ea:b9:8b:7d:c4:7c:2f:be:cd:3c:37:a1:ef:19:

00:18:61:e6:57:70:af:db:e0:81:17:b7:92:0c:80:

e4:2e:bc:35:2b:24:61:e0:b7:d2:c8:98:e1:ed:3d:

c0:5a:4b:31:cb:5e:47:10:3c:86:b0:eb:37:79:a4:

6b:2b:9a:f4:28:7a:06:62:b7:40:28:e5:3f:c3:de:

7d:f6:2f:86:af:d3:2a:6f:0b:0b:9d:ec:03:ca:f2:

7f:cc:3d:3f:df:05:c9:48:af:b2:9d:fa:28:40:a7:

08:43:cb:c9:d7:32:5b:3c:6c:8f:c5:e4:87:1a:25:

ce:4f:f5:78:f8:78:ba:93:40:46:94:cb:64:f8:ae:

58:37:db:c2:ba:db:56:d3:a1:92:29:25:2c:38:60:

6c:70:43:5d:f4:7c:32:10:21:ee:02:2e:33:03:c4:

1e:96:15:97:c7:3b:ae:5c:0c:a0:67:9d:e0:a5:a2:

28:d7:50:77:69:6a:c8:5e:cc:28:4c:79:9e:96:b0:

28:33:70:02:37:dd:2f:5f:24:36:58:aa:ea:13:34:

04:a7:e6:6c:fb:3c:e4:c6:1e:54:cf:24:97:ec:79:

6c:34:ee:c4:25:53:ee:54:f0:cd:98:47:34:77:ca:

9c:40:e7:1d:59:c4:01:4c:4c:bb:22:81:78:ea:df:

99:e7:a3:73:a9:26:7a:89:22:b2:26:26:79:38:1d:

7a:11:52:b0:c1:53:ea:99:e3:8e:5c:a2:6d:74:41:

70:43:9a:1b:12:b4:2a:07:e2:1c:ca:6c:d3:85:a8:

64:e3:8f:37:6f:23:ee:11:37:c6:23:a6:2a:4d:0e:

5d:8c:10:61:c4:0e:a9:d7:a2:21:89:65:b4:8b:8b:

f7:2f:0f:95:37:28:a0:c1:24:b9:1f:92:49:1e:12:

3e:e9:3c:9d:c7:ae:a4:14:a0:51:05:75:ae:a3:71:

97:8f:10:a7:6e:d8:9a:f7:6a:bf:2e:28:b3:7d:48:

5e:e2:39

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

FD:53:06:E5:F7:78:D3:7A:52:3E:E7:41:3F:58:85:91:F9:9D:EB:F0

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

Signature Algorithm: md5WithRSAEncryption

76:01:da:3a:05:d8:63:e4:dd:1c:56:6a:8f:b3:af:f4:6a:2a:

61:60:3a:81:b9:29:7a:84:31:77:31:bc:28:9b:0a:33:65:b6:

98:60:c3:0a:fb:70:93:14:6d:48:1f:61:f7:d2:b0:54:b9:10:

d5:a1:84:4b:fc:b5:f2:29:13:b4:48:01:21:9c:ae:38:bf:99:

60:8f:59:e8:a2:21:a7:82:fb:1c:43:da:a3:51:2b:fc:b8:f2:

80:7b:2b:ef:0b:d2:71:87:92:a4:bf:3f:91:0e:89:00:9e:a9:

ee:13:4b:c0:85:99:38:b7:56:06:32:fd:0f:57:4c:3c:2c:18:

a1:2a:0c:b0:7a:4b:48:5e:78:ab:ee:7a:b6:57:b4:7e:b6:73:

b5:2f:4f:85:10:8c:9a:2e:a8:82:ad:f6:21:78:cf:da:40:4b:

55:b9:81:bb:16:26:b9:09:45:91:6c:29:26:93:84:b0:02:0a:

8c:c6:5a:fb:62:90:a1:66:30:d7:7a:47:21:84:c0:8a:6d:6f:

5f:90:91:5b:ac:c6:91:c7:3c:83:21:1a:f7:f0:cf:d3:7f:9a:

1e:21:7b:74:3f:a0:30:5c:7e:99:01:69:4a:0f:b2:25:21:ee:

e7:33:7f:6b:05:17:fb:fc:ea:dc:e1:7c:08:ed:4b:cf:e1:fc:

c2:f3:fc:94:0c:44:4e:61:bb:14:72:f0:22:d1:4b:b6:0a:b4:

7e:ec:fc:00:6e:4b:c7:97:f2:8d:f8:e7:62:e2:cd:10:67:5a:

2c:ce:bf:f3:9c:66:26:30:d3:b6:14:4b:cd:c8:e9:23:82:19:

e4:00:af:2e:26:5d:97:b8:5f:27:43:de:33:41:3d:07:1c:4f:

c2:f8:36:ad:8c:71:43:f1:d0:2b:b0:fb:df:b2:91:3b:65:d0:

f4:a7:ef:46:c3:2b:17:dc:2d:54:fe:53:3b:0b:86:3a:e0:c7:

0d:6a:3a:3d:57:80:3e:17:f4:c9:ec:3b:27:c8:8d:26:6d:e7:

53:e8:a5:d4:23:83:86:f6:94:78:73:4e:a9:18:fe:5b:d6:0c:

d0:a0:f5:19:21:f5:e9:69:b8:31:0d:0d:8a:e3:9d:b4:cc:b0:

71:8d:46:29:8e:2b:52:80:31:13:87:23:ec:db:bf:81:03:52:

bd:ee:1f:37:65:32:68:5f:52:de:e7:2b:28:8c:84:12:4d:8d:

70:9a:fa:99:8b:d9:ff:49:cd:9f:77:e8:4e:af:9f:6a:96:58:

27:b6:a8:59:ec:25:9d:b5:2d:b4:0f:07:a0:bb:f3:67:8d:a4:

bc:db:9e:b0:31:cc:f2:41:e8:ff:47:8c:31:0b:ca:bd:7b:d8:

cf:20:8f:d5:05:0f:4a:c9

Chain depth: 1

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:26:16 2012 GMT

Not After : Jul 5 15:26:16 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

70:bc:17:27:3a:c6:10:75:65:fc:c3:c2:ef:0b:91:61:ca:36:

c7:e8:ba:5e:e0:b7:02:ed:31:cf:0d:2b:1f:dc:3e:f8:66:17:

b7:d4:2a:77:e2:eb:6b:03:cf:59:a6:c0:ef:64:e0:a0:bb:8b:

b0:1a:5c:28:4a:c4:2e:63:93:12:5b:9d:c1:3a:b8:ac:06:3b:

c3:d5:6a:0c:2a:58:2e:dc:ad:79:b2:1a:78:98:7a:44:9a:38:

72:4c:88:43:ac:2b:24:64:e0:35:5c:d5:0e:16:8e:58:fe:58:

2c:9f:61:1c:45:87:55:82:0d:80:80:05:41:df:ca:ec:07:b9:

7d:48

Chain depth: 2

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: future-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 5 (0x5)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Jan 1 00:00:00 2020 GMT

Not After : Mar 1 00:00:00 2025 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps - Future

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c0:f6:17:34:27:57:21:7d:ce:94:94:91:1e:51:

31:9e:1f:96:26:4f:95:82:57:30:cf:d7:32:47:74:

7b:9b:2e:78:8e:a4:b1:dd:93:ad:c6:ea:e6:81:eb:

28:11:3e:c9:b3:20:50:95:c4:a9:62:b5:38:19:46:

45:e3:7a:93:11:de:c1:86:0b:e9:f6:cc:03:44:84:

4d:bd:6d:37:63:10:a1:6c:83:c4:ba:9c:bf:e1:6a:

07:ef:fd:d9:f6:08:e0:4c:a2:b9:11:25:48:30:7a:

d1:7c:dd:0f:a0:f5:05:11:66:fb:b6:b6:85:8f:9d:

44:75:53:8f:6e:53:e4:76:4f:ac:62:f9:7e:08:69:

c8:27:84:bb:7d:0f:40:ec:1d:4d:73:b0:d8:f0:6a:

d9:7c:49:bf:7c:96:10:c3:f5:14:e7:1e:80:56:22:

a4:d1:ed:08:c1:e4:a7:ef:fb:1a:fa:97:61:01:42:

f5:8e:0f:3d:36:6c:22:68:ea:a2:87:29:c9:a1:c8:

59:2b:c2:32:3e:6c:54:ce:3e:3a:1e:32:80:01:dc:

f6:d2:a6:37:8e:76:bb:9b:7d:fa:96:5e:87:99:8a:

ed:15:ec:6e:cc:2b:a4:cf:13:ef:4b:79:b0:3f:fa:

b8:11:2f:d7:ad:7e:12:a1:1d:c2:55:78:98:ac:04:

34:38:17:2c:de:22:dd:9b:e3:d5:84:22:bd:75:7e:

45:9e:a8:e0:0d:78:a2:0a:1e:3a:f5:b5:56:a6:15:

3a:fb:3e:bb:e8:73:52:c1:25:d7:d7:79:0b:0f:1e:

41:0e:d5:33:80:e8:67:17:ca:e4:96:ee:0b:b6:e1:

22:b9:a5:5e:fe:af:72:3a:92:3a:f7:70:2d:8c:6a:

95:0a:bc:0c:28:dd:b5:e0:65:73:20:5d:48:a2:f9:

e6:02:a1:cd:02:19:5b:52:f4:ca:77:a6:0b:23:0a:

d4:66:2b:fb:23:57:40:b2:da:8f:4f:66:95:de:75:

83:e7:cc:e9:c3:1f:78:6a:ba:11:5c:b8:9e:5b:ad:

07:f6:f3:e9:9b:e2:10:4d:f3:fd:e2:c8:f7:dc:b9:

11:df:21:18:52:71:dc:b0:3d:dc:92:f4:7f:29:2d:

4f:9e:5b:1f:2d:a9:6b:5c:9d:7d:38:71:3b:21:ca:

80:e0:49:23:57:8a:67:48:7f:a2:f7:f0:ac:ae:83:

5e:99:6e:a5:e9:0f:72:2d:f0:c5:68:57:b3:f3:0b:

2d:bb:79:dd:6a:42:23:d6:68:d6:18:0b:8d:e6:a8:

03:73:b4:53:a5:19:15:5f:e5:65:4c:6d:b5:26:39:

cb:64:cc:b4:1f:27:d5:f9:81:d0:ef:46:2a:e7:8f:

4e:22:f9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

66:48:C6:0E:9B:E6:D6:00:FC:A8:2F:82:0A:9C:61:C0:93:99:FD:E8

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

Signature Algorithm: md5WithRSAEncryption

0d:b9:2b:f0:f6:f6:6f:75:2b:2a:dd:96:8a:f8:80:ae:62:f5:

d6:fd:79:f3:a3:80:71:37:00:09:ad:af:89:27:8e:c5:d5:b4:

fe:0b:ef:53:1d:44:b8:de:8d:06:de:15:e9:8e:62:42:4d:78:

f7:41:65:42:c6:ac:17:27:6b:f1:26:66:b0:c4:e1:a9:4e:34:

ca:ae:37:2e:35:5a:0f:47:2f:ac:8b:52:d3:0c:7b:45:72:2c:

fc:56:68:b7:f9:dc:54:43:15:8a:0e:42:f8:79:27:ca:6c:76:

4e:11:de:d9:92:6c:38:b9:67:cb:4e:d8:5b:df:e6:2c:6a:5c:

52:8e:86:7c:f8:ae:fb:00:4d:72:55:97:a0:8a:a5:3e:70:44:

4d:40:3a:96:8d:b4:dd:f7:7d:ac:86:5b:98:c7:72:9e:cf:40:

30:f6:ea:14:22:27:79:dc:fc:ba:19:b6:17:5f:2d:79:d0:a7:

c3:6e:42:04:0a:f2:7e:fb:f4:21:64:58:d9:05:08:1b:40:a9:

52:08:d7:2f:d3:1b:75:4e:90:3a:1d:75:8d:83:92:47:76:a1:

1c:4d:17:cf:cb:33:74:0c:4f:14:a6:a1:c5:23:44:c2:a9:ae:

3d:8d:fc:fe:fe:b4:81:fc:81:88:4b:71:bb:59:1c:e9:50:b2:

40:96:af:99:1c:24:14:0e:bf:b1:98:7e:44:82:54:51:f0:c9:

0b:57:10:fc:47:48:97:06:36:4c:3c:a4:70:c2:1e:85:53:6c:

a2:99:9c:32:22:a2:30:db:df:b9:e5:3f:93:cd:d7:c4:4f:12:

23:51:28:f6:21:90:0c:89:5f:51:e7:0b:8a:00:a3:f4:9b:15:

84:89:f1:47:80:bb:31:fa:d5:1b:8c:d0:9b:8a:6d:00:3e:47:

a7:15:6f:ae:07:b3:6e:cc:f3:b3:82:b0:3c:b2:d1:73:0e:6d:

a2:c8:47:3b:30:f9:eb:d7:f8:14:b1:e1:2a:2e:a7:c5:78:0f:

4b:d6:c6:56:5d:2f:d4:6e:2e:ea:b8:11:8f:52:86:9b:10:e6:

29:26:c0:e0:b5:a9:f2:6c:a5:58:7b:15:6e:77:58:82:56:20:

f2:2e:d9:0a:02:1f:0f:8e:b3:23:a6:8f:95:15:cd:57:42:9e:

9d:1e:c1:96:ef:76:29:3f:93:c3:0f:56:fd:e4:4b:2e:b5:bb:

19:72:d5:22:15:4f:0d:23:e3:1c:fd:d0:b0:57:4f:f5:f9:c2:

cc:73:b4:0e:82:52:9d:be:58:b0:f9:d4:a4:3e:03:44:b5:60:

26:07:c9:03:fe:fb:d6:63:76:02:3e:44:98:29:52:11:81:82:

13:75:f4:36:a4:07:65:d9

Chain depth: 1

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:26:16 2012 GMT

Not After : Jul 5 15:26:16 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

70:bc:17:27:3a:c6:10:75:65:fc:c3:c2:ef:0b:91:61:ca:36:

c7:e8:ba:5e:e0:b7:02:ed:31:cf:0d:2b:1f:dc:3e:f8:66:17:

b7:d4:2a:77:e2:eb:6b:03:cf:59:a6:c0:ef:64:e0:a0:bb:8b:

b0:1a:5c:28:4a:c4:2e:63:93:12:5b:9d:c1:3a:b8:ac:06:3b:

c3:d5:6a:0c:2a:58:2e:dc:ad:79:b2:1a:78:98:7a:44:9a:38:

72:4c:88:43:ac:2b:24:64:e0:35:5c:d5:0e:16:8e:58:fe:58:

2c:9f:61:1c:45:87:55:82:0d:80:80:05:41:df:ca:ec:07:b9:

7d:48

Chain depth: 2

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: noRootInChainDepth3server-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 11 (0xb)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps - depth 3

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ad:d5:1b:c9:73:f6:41:f5:cb:6e:e8:9f:70:ac:

39:e8:93:52:a6:ff:dc:d6:96:a0:5d:ff:e8:61:50:

a4:bb:8a:02:2f:6a:58:dd:4d:aa:b9:b9:8e:69:20:

5c:50:ae:e5:73:a0:f8:3b:24:0b:cf:23:9d:9f:4c:

84:05:fc:c4:0b:99:3a:44:5b:74:c6:20:d1:ca:f5:

8a:1b:10:19:5d:0d:a3:a1:f1:6c:22:a1:9c:be:d3:

0f:46:5d:a8:ea:b8:d7:c1:5a:6c:4c:e6:d4:ac:39:

00:8c:ff:ea:23:07:13:69:cd:82:03:89:96:bc:b1:

3e:de:d4:51:ed:09:e1:35:5c:d6:32:4b:41:6b:21:

b6:8e:f1:5f:f3:6d:74:03:0d:4f:d7:c4:f6:79:98:

e8:21:32:88:10:e5:c2:83:56:76:20:60:c3:da:88:

15:95:60:3b:12:9a:21:f4:78:3f:39:0c:cc:f9:c5:

f4:aa:9d:57:cc:ca:eb:86:5e:8b:fe:d3:3c:1c:ae:

87:5c:32:1b:a0:a3:68:f5:fe:5e:0b:f0:7b:8c:db:

14:4c:a2:e0:da:73:55:f9:68:35:66:2e:e9:7f:1a:

27:5a:53:d8:44:b6:02:40:5f:33:31:ab:d6:72:0e:

4e:6d:87:4f:f9:f6:19:f3:4b:fa:ce:36:cc:96:05:

b1:8f:e3:e3:ac:df:2a:dd:31:37:72:0e:58:d2:ad:

bf:e8:5d:72:25:21:45:d2:b6:78:8c:ff:8e:23:32:

8b:3c:53:49:25:09:ca:2d:43:8d:1f:b5:44:74:ec:

67:76:8d:6a:c6:8a:ef:88:cd:3b:33:3e:59:23:66:

61:2a:94:28:24:ce:9f:e9:f9:1b:f1:39:76:01:4b:

1d:23:98:73:3d:f5:7b:77:66:82:7f:65:52:46:a2:

e6:13:90:10:63:9b:eb:c3:66:11:b3:44:e1:fb:00:

55:d9:ab:12:ed:ff:67:36:f6:91:7c:ee:5f:04:46:

5d:37:c8:3d:97:d6:bc:fc:ac:98:c7:a0:cd:e4:89:

6d:cf:52:48:2d:61:6c:26:19:e9:76:8e:b4:66:54:

d1:b1:fd:41:d4:19:3e:15:37:a0:ce:c3:94:ea:3a:

e0:a4:1e:40:0b:3a:78:71:2b:b0:be:ab:a4:e7:56:

92:ee:aa:8c:01:9f:19:bb:f0:10:1e:0d:5b:10:8a:

2e:f2:96:96:03:5b:2d:0c:cf:98:aa:f5:a3:52:25:

b4:8f:33:a9:06:5f:3b:8b:43:e0:c7:dc:f8:e9:39:

fe:d9:e5:2c:7c:3d:43:d9:c0:1d:4c:d5:66:7a:f6:

3a:2f:f0:4f:61:25:7f:23:ad:72:b9:04:67:ae:e9:

05:dd:a1

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

1A:32:10:FE:A3:DF:32:CE:EF:62:66:F2:71:03:2D:09:88:62:BA:BB

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

Signature Algorithm: md5WithRSAEncryption

68:3c:5f:a5:f6:8d:5f:01:20:89:aa:c6:28:c4:3f:61:15:43:

c9:63:c6:c0:eb:73:e3:a0:53:83:45:13:ca:d4:ba:53:23:6b:

71:34:82:eb:69:4d:f9:dd:32:34:e1:22:e7:1a:86:de:a9:cc:

f5:a1:8c:85:e7:ca:64:c5:87:2a:7f:7c:3b:44:77:6c:ce:fb:

79:dd:6a:45:10:3d:71:02:43:04:a7:e2:0f:61:5e:65:c0:5f:

78:4e:e0:ca:57:bd:ad:4b:7d:4e:bf:13:66:d0:94:c6:7b:03:

53:83:51:3f:d1:14:85:cc:70:46:80:4c:8e:39:e3:a1:b1:fd:

52:5a:3b:9d:d1:8f:14:93:f8:3a:86:a9:d5:e1:88:ec:52:94:

fc:15:f5:07:90:98:b8:c0:d9:9a:fc:23:49:0a:29:8c:7a:fa:

b0:6c:40:0c:49:a0:01:81:52:88:05:41:12:6a:8f:7a:c3:15:

1b:90:53:17:e6:ac:bb:b4:35:67:42:bc:aa:a5:fe:cb:55:83:

1a:74:99:08:3d:60:db:35:9f:c7:4e:57:b0:34:2b:46:45:62:

22:44:74:5a:54:b0:a4:ae:45:52:34:59:2b:1c:3d:08:7f:14:

f2:e6:b1:86:d8:a2:97:b3:fd:ad:e0:89:c7:06:23:f1:01:a0:

f7:40:92:5c:b0:55:55:e5:bf:10:fc:8a:f3:9a:f0:f2:5a:12:

19:c7:17:11:e1:5b:b3:52:a7:e5:87:d7:f1:bc:c5:d3:78:b2:

6d:46:a5:c3:c8:59:72:b9:05:e4:25:af:1e:58:1b:2c:0a:65:

eb:2b:5f:b3:eb:78:59:01:34:1b:4a:6f:87:6d:10:3b:18:08:

d8:b3:53:9b:45:5c:fe:ef:db:ac:dc:fc:d7:76:7b:c0:a5:e0:

ea:1c:78:67:b0:d5:fb:5d:0a:b0:da:25:1f:01:28:bd:69:e3:

89:d5:3d:4c:42:2f:53:64:39:47:47:59:b8:6d:aa:fc:2d:25:

7f:de:69:c3:e1:33:9d:f2:3b:39:ec:06:5d:01:53:64:ee:e6:

52:07:db:18:22:3f:0d:9c:4c:f0:5e:05:12:cc:05:82:49:3d:

27:27:fc:f4:0b:2e:8b:97:ad:2a:af:ea:5e:0f:17:63:5a:ab:

6e:42:3d:f1:7f:c7:33:0b:e5:73:07:85:6e:6f:39:c3:97:78:

02:bb:e6:f7:29:a2:fa:7a:08:3b:8b:be:fd:da:39:1f:a4:32:

04:6e:3a:cb:d9:6c:ec:b9:51:9a:ad:b1:1f:19:ab:f6:a0:da:

3e:54:37:fe:ed:0d:c1:86:0f:35:0b:8a:20:84:8f:02:da:1e:

21:52:a3:6d:8c:1c:bc:a9

Chain depth: 1

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Jul 5 15:30:25 2012 GMT

Not After : Jul 5 15:30:25 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

27:27:e8:02:16:77:7b:31:ef:38:71:1e:61:32:d9:0d:24:a4:

5d:e9:68:9c:d6:53:05:1f:46:e4:71:df:b5:58:b1:e2:47:db:

74:92:74:75:e5:c4:ec:37:92:d9:dd:c6:cd:f8:d1:c8:c2:19:

a8:b7:a7:33:38:b9:16:62:0f:4d:95:6a:59:f7:e2:f1:e6:54:

33:7f:e7:b9:c2:4f:46:64:1c:0c:cf:b7:56:42:f4:92:7f:3f:

58:3a:3f:8b:48:b5:10:f3:61:8d:5f:5c:33:72:65:64:c6:42:

99:32:13:0d:58:e2:ed:a8:18:53:04:5c:c3:73:e7:3c:43:45:

5c:bf:df:8b:49:a6:84:8c:6c:7a:e8:b5:90:a1:d9:7d:47:b9:

9a:9f:83:89:69:00:97:96:77:01:0a:90:f2:d9:1c:04:d4:8a:

aa:04:40:fe:af:52:49:9a:3c:a0:69:1c:68:24:1a:f8:da:82:

79:d1:fe:f3:8a:db:c8:a7:63:f7:65:93:48:58:90:94:be:d4:

5c:f2:f7:52:bb:b0:2e:cb:e8:a2:3e:c0:7c:20:fd:17:4a:e7:

1d:af:cd:52:34:34:33:6a:ad:0b:29:5e:22:af:b1:ca:e6:0e:

35:97:a1:24:b5:3f:ea:0f:d5:58:d8:6b:f3:19:a8:7b:7a:ca:

76:be:4e:4a:64:e6:1e:b3:dd:d4:75:51:99:2d:df:8f:7a:ec:

48:63:aa:40:ce:a0:58:6c:22:d0:22:63:fc:7d:a3:94:24:11:

a4:59:55:70:55:b7:0c:97:d8:b6:5e:e4:ee:c1:42:d5:6c:8a:

16:bc:2f:35:0c:15:ba:40:ec:43:35:5a:6a:17:39:58:35:49:

be:3d:a8:60:ba:ca:a4:fb:a7:87:3a:41:32:87:82:34:ad:42:

90:14:ec:4b:d3:47:1d:b8:40:a3:15:09:93:73:80:17:90:ce:

15:fd:1e:62:b6:6a:7b:66:d5:f9:bb:8f:7c:bf:a2:f7:8c:d6:

dc:92:66:44:08:03:4a:11:8e:aa:ec:3a:29:29:96:e0:7c:ce:

64:51:f7:4f:45:8c:be:7a:bb:35:3b:2d:b7:5a:2f:37:9d:2a:

b4:e3:0c:c5:87:a6:ef:60:4c:55:7c:25:94:65:10:0b:b3:de:

5d:27:3a:02:91:35:65:24:c2:55:4c:1e:46:b5:9f:81:7a:41:

55:e7:19:41:92:ff:69:28:25:d9:9a:24:c7:08:78:96:73:39:

66:f9:9e:14:f9:b2:ba:5e:3b:91:5b:c2:7d:da:b0:bf:10:31:

1c:be:94:93:90:f5:d4:5f:4f:93:8e:35:d3:bf:ef:8d:a8:34:

ab:1f:e7:90:74:86:90:2a

Chain depth: 2

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:26:16 2012 GMT

Not After : Jul 5 15:26:16 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

70:bc:17:27:3a:c6:10:75:65:fc:c3:c2:ef:0b:91:61:ca:36:

c7:e8:ba:5e:e0:b7:02:ed:31:cf:0d:2b:1f:dc:3e:f8:66:17:

b7:d4:2a:77:e2:eb:6b:03:cf:59:a6:c0:ef:64:e0:a0:bb:8b:

b0:1a:5c:28:4a:c4:2e:63:93:12:5b:9d:c1:3a:b8:ac:06:3b:

c3:d5:6a:0c:2a:58:2e:dc:ad:79:b2:1a:78:98:7a:44:9a:38:

72:4c:88:43:ac:2b:24:64:e0:35:5c:d5:0e:16:8e:58:fe:58:

2c:9f:61:1c:45:87:55:82:0d:80:80:05:41:df:ca:ec:07:b9:

7d:48

Filename: noRootInChainDepth4server-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 10 (0xa)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps - depth 4

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:d3:e7:a2:27:3e:5d:6c:ec:9d:ac:76:1d:b8:e7:

84:d6:c3:be:df:c6:02:c5:3f:7e:5b:9a:60:e9:84:

b3:0a:04:0d:f5:d9:6d:4d:63:27:a9:bc:dd:f3:c1:

43:d9:66:76:94:6c:69:09:5b:bd:a7:b8:82:60:62:

cc:7b:48:22:39:4e:aa:b9:4b:4d:c3:df:6c:40:25:

1f:de:89:05:23:15:77:22:ef:eb:47:31:85:0a:9a:

40:2b:b5:81:45:9a:50:fb:87:8a:73:7a:89:14:8a:

3d:30:fd:3c:9b:d5:48:09:47:ef:b2:af:96:93:1c:

ca:c3:7d:7a:c9:60:c8:59:0f:7c:0f:54:6c:5d:f4:

fb:53:88:5f:9a:2f:6c:78:63:dd:3e:f7:d3:5b:c7:

b4:85:da:99:4a:14:2f:f7:85:0e:f3:40:eb:2e:77:

79:9f:6c:b0:b9:32:6f:01:4b:54:0b:d0:88:ec:ef:

dd:c9:1d:fa:47:d0:d6:82:76:c8:d5:f0:ab:c5:5b:

ce:1b:b9:2d:97:9f:7c:17:9d:f8:ef:50:b4:a0:00:

9b:1b:f6:7e:5d:5b:90:ca:6b:94:f3:22:2d:f4:46:

c6:2e:94:77:ef:92:8a:56:6d:56:46:86:21:fe:65:

68:83:01:1c:87:84:ee:f0:fc:26:73:e4:c8:fe:85:

24:8a:c5:fd:51:ab:91:4f:ae:9d:f8:68:bb:70:3a:

21:be:9c:2d:23:ef:03:a2:ff:5c:92:d2:f7:c0:78:

77:6f:b8:27:39:af:46:b1:87:4c:fa:d0:49:36:a2:

6f:04:20:cf:04:8d:0e:b1:ae:e8:94:18:a2:57:d0:

be:6b:71:c8:3c:19:ad:2e:50:4d:72:bb:95:d4:25:

b2:75:dd:e1:b1:1b:0c:c6:09:49:65:c5:ef:6d:b0:

1b:90:42:56:da:fb:92:2c:8e:9f:f6:e5:fe:1b:20:

50:5d:98:74:e6:8a:ab:37:f0:6f:f4:a6:6b:16:bf:

5a:35:1e:bb:d4:d6:91:2f:5d:c5:f2:dd:fa:ca:88:

a1:d4:11:8a:5e:67:6a:27:f2:c9:2f:f4:15:3f:54:

ee:fd:72:69:26:91:dc:c4:97:37:36:e6:69:b5:ff:

c6:11:0d:89:c1:31:49:69:8e:0d:05:35:69:fb:28:

39:13:4d:1a:b2:d8:8e:3a:bb:26:05:39:02:bc:02:

a4:e1:df:4d:92:da:92:32:c7:77:fa:cd:11:cb:2a:

1c:d7:e7:d2:e2:2a:cf:00:70:fe:2f:8a:f6:d9:83:

a5:27:dc:35:a0:1e:b7:24:6d:f0:0d:d0:c5:11:37:

d5:28:0a:35:96:84:12:54:76:99:33:86:80:68:06:

d6:1b:0f

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

03:13:09:76:3F:B2:AE:29:03:92:14:14:B3:A8:86:3D:E8:A3:7F:53

X509v3 Authority Key Identifier:

keyid:D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL3\_CA

serial:09

Signature Algorithm: md5WithRSAEncryption

1d:39:57:08:a3:fe:ae:b0:83:60:49:64:32:62:0d:5f:a5:3b:

3e:49:6b:e6:c4:91:8a:6e:4a:80:96:1b:03:0e:3b:1c:fa:98:

25:a5:d5:73:bf:4b:67:71:a9:9e:d6:31:4c:05:54:aa:bc:ae:

09:9a:fa:e5:02:34:5e:dd:16:07:63:60:3a:95:35:ad:18:27:

cf:44:15:be:bc:f2:93:17:eb:3e:08:21:d0:4e:19:c1:c5:bf:

f9:08:6c:25:92:ca:1c:f9:32:69:e1:8f:55:f2:4b:10:80:3a:

6d:b8:a6:6c:d8:f5:7c:80:e7:6f:c3:c8:45:33:6f:b2:8e:c1:

25:aa:d9:38:77:15:21:26:43:4c:6f:a5:78:1d:47:b3:1a:62:

3e:17:e4:d1:b2:a4:47:91:f8:d8:a2:38:65:bb:6c:01:54:84:

34:0e:f7:e5:e0:44:a1:df:94:67:c2:58:f8:7f:e4:eb:f6:d3:

89:f0:fb:8d:95:24:48:2e:ac:2a:52:0a:30:78:62:b5:5e:77:

72:dc:cb:ec:c5:d3:47:ba:55:ce:98:37:16:ed:9e:78:74:03:

af:93:88:88:f9:0b:35:71:97:cf:c0:2c:6d:17:81:4f:ef:0c:

b0:b4:a5:36:aa:88:fe:7f:4b:f0:4e:20:a1:1e:f3:80:cc:3a:

b3:fc:30:91:e7:d3:03:a9:e1:72:63:5b:de:29:a3:5d:46:30:

63:ec:70:32:d9:e1:03:e0:25:45:8a:34:c1:72:4c:e5:b5:8f:

7e:23:ba:8e:93:cc:d9:69:10:6c:b9:ca:37:04:4d:fe:31:66:

79:31:dc:a9:b9:ff:19:f0:0d:b6:28:54:6b:a7:21:fd:b8:f8:

bb:3d:47:f7:7b:33:ac:c3:79:a5:e1:bd:41:9d:98:9e:2e:3e:

8c:f0:ea:c1:27:a0:51:83:e1:d2:94:36:65:4a:83:20:2a:b8:

a4:dd:ff:01:84:fa:7e:28:8e:fb:47:40:09:6e:d2:39:ad:af:

79:48:6e:2f:90:f4:28:a1:87:a9:9e:40:5d:04:e7:29:f3:f0:

2c:b6:c4:ad:f8:62:08:d6:95:8c:b0:1c:3e:84:af:84:88:57:

15:10:13:eb:2c:65:da:3f:a6:54:03:03:4f:7f:59:5f:55:d3:

b8:a2:92:62:ff:ea:8b:85:3f:b5:52:1b:e5:a8:c5:ea:9c:41:

79:87:a2:2f:46:8a:1b:cf:7a:66:47:4c:c8:1a:27:3f:04:fc:

b3:f6:e6:55:a6:a4:ed:dd:14:3c:8e:19:ca:b0:20:ed:27:4b:

c2:79:70:51:11:52:3b:8e:7b:f9:d3:0d:8c:b7:f5:e4:42:ae:

f5:46:3b:1d:a3:c2:fb:7c

Chain depth: 1

Version: 3 (0x2)

Serial Number: 9 (0x9)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ec:42:83:6c:3a:81:23:fe:e5:83:1b:e8:b9:63:

ac:d0:33:ab:b8:fa:c6:d9:e8:93:48:3c:2f:79:ef:

fc:93:c7:47:97:a8:e3:e0:dd:05:4c:e9:44:ff:6d:

4e:c2:e7:79:e8:c1:3d:22:1a:d8:91:89:9a:86:51:

fb:46:1f:bb:0b:ea:7f:bd:3d:03:ac:60:de:ec:b8:

80:bc:d7:71:47:4d:15:43:d1:1d:05:09:22:bd:35:

10:03:09:c1:b0:2d:0d:66:f7:29:63:d6:1d:6c:4a:

7c:fe:68:0d:52:22:21:e5:0c:14:5f:47:c6:a5:d6:

e6:1f:5e:45:e6:b8:0c:b7:48:fc:e1:db:43:c5:59:

51:8a:0d:9b:16:1c:30:4e:1b:47:3f:91:ca:43:b6:

20:0e:98:34:97:cd:cc:6a:48:fd:ac:d5:9d:08:f7:

c8:fb:6b:d9:a4:8d:3f:50:25:7f:01:f2:5e:48:36:

bc:87:60:8b:55:2b:18:1e:0c:f9:d6:65:91:94:fb:

61:14:b9:1e:0e:14:99:7a:33:c1:f9:84:c4:d4:46:

f7:a6:d7:51:a9:26:09:a3:9f:32:7e:58:f3:28:0f:

47:68:57:c4:95:99:a2:20:7e:df:ff:f3:94:2d:6c:

92:90:90:9b:46:b2:c8:bf:5e:94:94:3c:76:f7:82:

41:3b:1d:85:a2:f9:95:35:47:2f:f5:58:26:2c:a3:

bc:6f:47:a5:0a:cc:af:23:0f:aa:f4:91:72:ff:5a:

41:5d:f6:1e:e6:5d:37:68:5b:21:5d:ae:c9:ac:5f:

bb:3e:4e:9c:fb:1c:3d:af:23:2f:35:09:96:71:ed:

f8:1d:d5:19:7d:53:8f:b8:e5:74:76:80:c9:ad:89:

e6:ef:79:0e:3d:e4:ae:45:fb:d7:22:26:db:73:b1:

19:57:1f:68:fe:c9:8b:41:88:7d:7c:da:33:3a:68:

eb:b1:ee:d9:d7:6c:06:e9:8a:9e:d9:03:46:19:e5:

c3:90:c2:8d:2e:8c:e8:89:c0:81:b4:4e:18:71:18:

39:4a:33:49:5e:06:c3:ea:47:e6:03:f9:65:34:2c:

81:b3:e7:02:94:8a:50:81:9e:8f:4e:d0:24:34:7e:

2c:b6:66:f8:a5:f5:f1:50:3b:95:f0:f0:9c:a2:14:

94:73:b7:15:0a:a0:25:39:85:67:fe:f6:3f:c0:81:

dd:47:07:6c:d2:4e:be:db:78:d2:ba:ff:67:1a:5a:

11:5a:95:b1:7b:9c:38:a9:f5:26:d6:d1:30:70:2e:

13:97:e5:6d:85:7a:b3:94:67:8d:11:58:ac:0e:25:

0d:5a:ff:c8:c2:95:23:9d:ef:08:21:18:dc:c5:18:

d2:19:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

85:85:a1:19:10:42:c7:e5:ee:82:e5:79:f5:2b:69:29:59:9e:

cb:58:c6:23:f9:c3:7c:86:75:12:80:68:47:12:c2:15:9e:08:

c0:c1:e6:e9:40:22:76:04:0a:f5:ad:3c:06:5c:ff:f1:d4:cd:

7e:d7:8b:56:0f:e8:f0:25:62:72:43:0e:a8:95:53:87:42:80:

10:f2:b6:ce:ec:5a:0f:40:52:91:56:10:bd:cf:bc:a4:2f:ad:

42:d2:10:95:fc:bf:c2:ab:90:11:fd:ca:2f:33:af:fd:a7:19:

4e:d0:a3:1e:c9:44:6a:93:a9:a5:38:fe:43:09:d8:3e:9e:14:

ca:c6:e4:3b:cd:e8:28:5c:47:ac:9c:03:9e:ea:bd:9d:f0:d1:

42:55:18:11:cc:53:c7:b4:18:65:db:08:fc:b8:f2:c2:3f:6b:

4d:e0:02:73:58:53:1d:e8:ad:ad:03:71:5d:31:04:20:09:c3:

32:e0:41:f3:4c:1a:a2:67:63:fb:aa:8a:ed:31:d5:89:3b:61:

4d:16:58:c6:39:90:46:a7:76:bc:3d:f9:23:40:63:ea:1b:de:

3e:64:17:6e:38:c2:76:a5:87:1a:ed:13:c3:ac:de:56:b1:d4:

1f:68:82:05:1a:a9:62:b5:2d:f9:e4:1b:8f:b2:8c:4a:4e:31:

9a:7a:9e:b4:3c:08:00:fe:32:9f:fc:68:79:b0:3d:9b:83:c5:

6b:a8:6f:ce:fa:e6:61:81:0c:50:9d:57:fa:60:57:58:f4:91:

4b:d9:b5:d4:13:fa:cb:4f:69:02:4b:0c:67:8c:aa:8e:07:78:

27:10:3e:fd:39:dc:5f:44:78:a9:e9:6d:78:30:43:aa:39:4d:

63:ee:0d:5e:8c:87:55:a4:39:c2:32:ba:ed:49:e2:5e:aa:9e:

d7:22:2a:47:6e:c9:9d:f2:50:b6:ce:7c:5e:48:10:65:ce:7e:

78:aa:be:79:18:76:4f:13:05:72:76:a1:b8:61:9b:00:88:f4:

e6:7c:80:27:a2:42:ea:b2:64:b7:df:b2:10:32:88:83:07:f0:

f0:21:47:d6:e1:9a:70:a6:76:c9:c3:3d:83:ed:a9:b9:4f:62:

52:41:db:1f:30:40:d6:ac:22:e0:43:70:4d:9d:97:48:f5:52:

78:15:84:1e:25:ba:d2:66:dc:84:9c:ed:61:25:f8:27:f9:b4:

dc:1c:19:c3:16:1a:47:6e:b6:1a:8e:d5:8d:6c:1d:0c:e9:d3:

3d:41:f5:58:91:30:08:74:05:e4:5a:a7:1f:94:02:8e:d4:99:

e1:61:19:b9:b0:d2:59:af:a2:e0:e8:4e:f3:20:35:72:9d:3e:

6a:db:d3:9c:7c:79:44:fb

Chain depth: 2

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Jul 5 15:30:25 2012 GMT

Not After : Jul 5 15:30:25 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

27:27:e8:02:16:77:7b:31:ef:38:71:1e:61:32:d9:0d:24:a4:

5d:e9:68:9c:d6:53:05:1f:46:e4:71:df:b5:58:b1:e2:47:db:

74:92:74:75:e5:c4:ec:37:92:d9:dd:c6:cd:f8:d1:c8:c2:19:

a8:b7:a7:33:38:b9:16:62:0f:4d:95:6a:59:f7:e2:f1:e6:54:

33:7f:e7:b9:c2:4f:46:64:1c:0c:cf:b7:56:42:f4:92:7f:3f:

58:3a:3f:8b:48:b5:10:f3:61:8d:5f:5c:33:72:65:64:c6:42:

99:32:13:0d:58:e2:ed:a8:18:53:04:5c:c3:73:e7:3c:43:45:

5c:bf:df:8b:49:a6:84:8c:6c:7a:e8:b5:90:a1:d9:7d:47:b9:

9a:9f:83:89:69:00:97:96:77:01:0a:90:f2:d9:1c:04:d4:8a:

aa:04:40:fe:af:52:49:9a:3c:a0:69:1c:68:24:1a:f8:da:82:

79:d1:fe:f3:8a:db:c8:a7:63:f7:65:93:48:58:90:94:be:d4:

5c:f2:f7:52:bb:b0:2e:cb:e8:a2:3e:c0:7c:20:fd:17:4a:e7:

1d:af:cd:52:34:34:33:6a:ad:0b:29:5e:22:af:b1:ca:e6:0e:

35:97:a1:24:b5:3f:ea:0f:d5:58:d8:6b:f3:19:a8:7b:7a:ca:

76:be:4e:4a:64:e6:1e:b3:dd:d4:75:51:99:2d:df:8f:7a:ec:

48:63:aa:40:ce:a0:58:6c:22:d0:22:63:fc:7d:a3:94:24:11:

a4:59:55:70:55:b7:0c:97:d8:b6:5e:e4:ee:c1:42:d5:6c:8a:

16:bc:2f:35:0c:15:ba:40:ec:43:35:5a:6a:17:39:58:35:49:

be:3d:a8:60:ba:ca:a4:fb:a7:87:3a:41:32:87:82:34:ad:42:

90:14:ec:4b:d3:47:1d:b8:40:a3:15:09:93:73:80:17:90:ce:

15:fd:1e:62:b6:6a:7b:66:d5:f9:bb:8f:7c:bf:a2:f7:8c:d6:

dc:92:66:44:08:03:4a:11:8e:aa:ec:3a:29:29:96:e0:7c:ce:

64:51:f7:4f:45:8c:be:7a:bb:35:3b:2d:b7:5a:2f:37:9d:2a:

b4:e3:0c:c5:87:a6:ef:60:4c:55:7c:25:94:65:10:0b:b3:de:

5d:27:3a:02:91:35:65:24:c2:55:4c:1e:46:b5:9f:81:7a:41:

55:e7:19:41:92:ff:69:28:25:d9:9a:24:c7:08:78:96:73:39:

66:f9:9e:14:f9:b2:ba:5e:3b:91:5b:c2:7d:da:b0:bf:10:31:

1c:be:94:93:90:f5:d4:5f:4f:93:8e:35:d3:bf:ef:8d:a8:34:

ab:1f:e7:90:74:86:90:2a

Chain depth: 3

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:26:16 2012 GMT

Not After : Jul 5 15:26:16 2013 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

70:bc:17:27:3a:c6:10:75:65:fc:c3:c2:ef:0b:91:61:ca:36:

c7:e8:ba:5e:e0:b7:02:ed:31:cf:0d:2b:1f:dc:3e:f8:66:17:

b7:d4:2a:77:e2:eb:6b:03:cf:59:a6:c0:ef:64:e0:a0:bb:8b:

b0:1a:5c:28:4a:c4:2e:63:93:12:5b:9d:c1:3a:b8:ac:06:3b:

c3:d5:6a:0c:2a:58:2e:dc:ad:79:b2:1a:78:98:7a:44:9a:38:

72:4c:88:43:ac:2b:24:64:e0:35:5c:d5:0e:16:8e:58:fe:58:

2c:9f:61:1c:45:87:55:82:0d:80:80:05:41:df:ca:ec:07:b9:

7d:48

Filename: signedByExpiredLevel2Ca-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 7 (0x7)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=EXPIRED\_LEVEL2\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps - level2 - expired

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ae:9c:e9:3c:38:00:0f:0e:37:9e:0e:20:d1:7a:

a1:39:47:93:86:f5:e6:f5:7b:46:f5:2d:df:b8:e4:

a3:54:db:7a:fe:36:ad:30:c1:a9:86:e9:65:58:37:

8d:f4:dd:2e:31:d2:09:a1:dc:39:3d:1d:6a:8b:06:

ba:eb:6c:74:77:d8:e2:b5:0a:c1:13:27:79:db:9c:

85:d0:f4:14:7b:96:d6:b5:69:2b:9f:40:47:99:67:

3e:39:46:b6:47:3d:e8:8e:72:f0:1a:6c:77:d8:2a:

7b:a9:f7:8f:8b:ca:14:e7:73:68:d3:81:74:e1:9a:

64:6b:64:48:67:04:39:40:03:a8:37:a0:b2:7a:96:

f4:9d:b8:b5:37:21:c9:ee:19:7a:a7:68:98:d4:b3:

92:7e:6d:7f:6c:7f:10:75:d9:06:2f:78:14:7e:49:

81:99:71:36:ab:1a:88:4c:15:70:08:df:b2:b7:62:

ae:0f:32:75:1f:e6:78:1e:7c:9d:4b:dd:88:36:f8:

bd:78:56:67:f1:59:a6:5b:33:c5:45:e8:bb:39:fd:

30:6e:5d:3e:8b:18:48:72:07:6e:5c:69:24:0d:75:

29:f9:40:5a:0a:e2:69:f2:12:c3:52:c2:50:85:c2:

56:9a:fb:6a:4f:47:97:2d:25:f8:08:44:b2:cf:9a:

45:b6:b6:5c:c6:2f:70:cb:ad:4c:c4:de:3a:77:3d:

ce:78:50:68:6b:fe:94:9f:90:74:7b:93:3e:10:8a:

19:8a:3f:03:0b:72:98:c2:28:c1:22:f3:d0:b9:04:

0e:61:3e:7e:47:4e:73:00:99:34:66:63:78:f9:60:

33:6d:3a:4d:7c:c2:49:01:a7:7b:c4:87:54:b3:62:

d4:73:d9:42:8c:fd:bc:4c:80:b3:90:3e:c8:1c:80:

44:ec:d6:7b:b7:b0:69:c5:23:fe:c6:11:f1:2b:73:

ad:02:27:b1:89:63:30:cb:50:51:41:61:35:fb:33:

71:c2:b1:20:ae:e9:9b:fb:75:50:06:2a:4e:ad:d5:

f2:f5:78:0b:ab:24:02:2c:b5:6b:b9:9a:e9:9b:7b:

4f:c4:3f:dd:5b:dd:61:af:23:5c:32:20:01:03:5b:

ce:b2:f3:3d:12:a2:3a:d8:31:dd:98:4d:7c:aa:95:

c6:10:f7:77:96:98:8b:20:2c:ea:57:3f:f2:6a:d1:

ad:f8:73:31:95:50:d4:84:d3:f8:da:ae:d1:c2:17:

0d:a6:ce:e5:77:f9:5d:19:24:09:3a:09:15:b5:07:

2c:42:20:7c:57:7d:06:e5:2a:5f:0a:25:55:2a:e7:

a9:e4:04:a7:71:46:55:65:64:e6:7e:83:5c:00:5b:

91:4e:bd

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

95:FA:18:89:D7:B3:44:2F:CE:E6:FA:3F:25:38:B1:A2:61:EC:27:05

X509v3 Authority Key Identifier:

keyid:15:62:29:D1:3F:2E:F7:D1:CE:9C:3E:E0:48:BE:97:1C:F6:D7:ED:31

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:06

Signature Algorithm: md5WithRSAEncryption

4d:c6:ff:85:86:f2:9b:1f:7b:09:dc:ab:d5:32:23:0b:12:13:

57:a7:d0:72:70:0a:06:12:9d:99:9d:a5:8b:30:ab:b9:3d:aa:

dd:a4:0a:ff:71:ac:b9:9e:78:ed:47:9a:3c:3b:9f:43:05:f1:

6d:47:66:03:06:8f:a7:b6:13:f6:ff:9a:c9:4e:62:98:00:9f:

92:25:49:2f:a5:cc:45:fb:22:63:22:3f:9d:63:81:cf:15:3b:

cd:19:96:c5:8d:d9:a5:a5:3b:d8:68:bf:cb:70:12:1d:1b:5c:

7d:92:79:ed:b4:9e:78:32:93:e7:ce:5d:20:1c:6d:c4:e9:05:

61:4a:c3:6d:4e:59:f8:d3:91:02:18:67:1b:73:48:14:61:38:

21:ae:2c:6e:b7:a2:83:26:07:6e:e9:1c:58:6a:4f:0e:a9:37:

8c:aa:aa:25:0f:9f:37:a0:c0:f5:cc:5f:74:67:39:fa:8c:2d:

69:85:e0:96:51:e2:f6:18:cd:e9:ad:31:f0:93:89:97:30:4f:

86:df:d2:c8:c5:8e:05:11:81:46:38:59:78:62:6b:9b:e3:29:

50:3d:cc:47:2f:31:5b:1d:15:f4:ed:09:06:79:13:00:bf:04:

23:53:83:27:59:d7:75:a9:7e:16:c3:b4:46:ea:86:54:a6:e5:

6e:62:95:d9:87:bc:1f:80:ec:df:c1:45:e5:23:76:4b:04:57:

84:cd:ef:f5:c3:4d:45:62:ab:61:fe:6c:86:cd:19:0e:95:36:

51:81:8e:33:5b:67:d4:da:9a:76:4a:2b:34:9e:e9:e8:fe:90:

5f:03:02:4d:ac:11:a7:23:20:68:24:42:ac:5f:5e:08:34:78:

4f:ee:25:cb:64:db:3d:ff:1a:30:da:2c:ed:6c:a2:24:27:ed:

f5:90:02:81:91:c2:f1:e4:03:ad:cb:62:04:b8:bd:c1:dd:86:

3f:a5:72:33:05:c9:69:08:53:7e:48:cf:0b:e5:36:ca:57:3d:

96:38:fe:d7:02:48:52:6b:15:4b:29:22:ed:75:24:5d:cd:b3:

d4:33:9e:99:72:bb:7a:31:50:16:f1:26:8a:15:77:c9:6d:1e:

d6:e9:1e:f5:98:be:74:68:3b:ff:91:24:88:9e:b6:c2:30:1b:

7e:5f:31:d8:45:3e:34:09:0c:3f:a7:f1:85:e3:69:19:60:eb:

35:8e:d9:30:77:b9:65:87:89:46:c0:a3:84:c8:9a:c0:71:d2:

81:4a:ba:0a:a1:e0:ae:8c:9e:ba:dc:77:06:29:33:fe:6e:d5:

f0:53:f5:6f:f2:94:4e:50:51:ad:62:8c:81:05:72:cb:6d:e0:

ca:18:95:82:a3:18:cd:92

Chain depth: 1

Version: 3 (0x2)

Serial Number: 6 (0x6)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Feb 1 00:00:00 2012 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=EXPIRED\_LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:cb:d5:33:c7:84:a8:9b:ec:bc:7e:5d:d1:b4:7a:

05:ac:7a:16:68:2a:0a:55:20:83:42:75:2c:2f:2f:

36:37:a6:a6:1b:3e:ec:92:eb:78:5f:5c:a3:5e:b9:

6a:7e:e3:51:21:49:03:e4:9d:02:a0:3b:16:e3:f4:

d3:59:7d:f0:60:a0:63:e5:22:43:c2:c7:40:65:3f:

6f:02:87:05:4d:97:dc:7d:2e:f8:4e:36:1c:ab:8e:

c8:b3:49:38:84:f1:1d:e0:b6:a1:c7:96:46:11:7e:

2f:cd:b3:72:1e:3c:6b:95:3c:0f:5a:9c:05:60:ec:

c8:eb:b9:10:0a:b6:06:48:a3:32:2c:42:e3:5f:d1:

f4:c9:e2:9f:b4:05:14:24:49:da:f9:06:36:e0:c2:

9a:78:72:8e:d9:dc:8b:0d:b0:b5:1c:89:93:d2:cf:

b3:ca:b6:47:55:e4:9f:27:d6:90:fe:02:42:1f:87:

e1:e5:f8:dd:c7:27:67:cb:dd:66:da:4d:f6:a1:31:

db:2e:59:e2:5c:3c:20:4a:04:5a:9d:df:c5:26:6f:

f6:d0:1d:2d:af:a9:cb:3b:b1:9c:f6:7f:8d:a5:ec:

9c:a6:0b:6f:fa:61:06:97:5b:df:3a:b4:8d:92:85:

d9:d5:e0:ff:bb:d3:a5:a1:1c:89:2a:e2:63:ab:89:

15:2f:07:0e:93:8a:e3:be:ad:1e:52:49:d8:f7:be:

d0:a9:3c:d4:e5:e9:3b:6c:a2:0b:94:11:41:15:e8:

d6:31:13:10:d2:5a:9e:10:74:df:7d:d9:59:b6:28:

95:aa:c3:3d:c5:e6:e8:23:ef:f7:d5:80:96:89:b5:

41:90:62:33:bd:70:03:07:2e:1d:b5:5f:bc:47:26:

9e:d5:ea:19:d7:c7:04:d6:22:10:6e:c1:3d:0e:9a:

8b:1f:c8:f5:0a:6c:a4:02:fb:68:9e:0b:61:50:e6:

c6:fd:5d:2e:1c:d1:8c:3e:2d:09:45:96:3d:96:a8:

da:af:31:8f:43:e7:d7:44:b6:c1:25:29:78:7a:99:

a3:2f:f0:29:d9:87:54:57:6c:d0:05:de:0d:4a:ec:

d1:08:51:4e:60:47:14:b0:92:1f:14:55:4f:16:7f:

5d:21:20:94:ec:c1:a1:26:ca:96:a6:4f:c1:3c:c2:

35:e0:a8:2b:3f:1b:1d:9b:05:78:fe:50:41:2a:e7:

11:44:75:48:bf:25:b5:d3:7d:ab:1c:a1:03:1b:d7:

07:87:9b:8b:c1:d2:00:be:4b:80:33:f7:39:43:eb:

4b:8c:30:a4:16:ac:1e:58:99:41:c2:1f:da:5b:96:

81:f6:d9:a8:bb:49:bd:57:d9:0e:b9:46:04:11:1a:

48:df:fb

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

15:62:29:D1:3F:2E:F7:D1:CE:9C:3E:E0:48:BE:97:1C:F6:D7:ED:31

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

07:84:9f:81:57:88:b4:87:dc:7d:47:3c:16:c0:95:cf:ed:5d:

e9:41:9f:e5:8c:e6:12:d5:c2:ac:27:09:58:cc:85:e2:43:54:

51:4a:5d:f2:e4:90:9a:6e:8f:85:1e:d4:6f:44:86:78:94:70:

be:b1:ec:87:90:3d:82:e8:44:82:2a:20:68:6f:bf:0b:9e:3e:

52:17:11:59:c6:b1:53:76:63:d5:99:52:45:1d:74:f8:06:2e:

ba:11:1d:9e:58:04:1b:ac:4f:53:4c:3c:f0:55:14:81:46:ca:

66:9a:70:33:50:0d:d3:17:e8:69:bb:63:cb:a3:ed:b0:f8:44:

7e:25

Chain depth: 2

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: signedByExpiredRootCa-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=EXPIRED\_ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:a5:dd:58:4b:3a:41:14:bd:3f:45:0f:78:db:a9:

a0:da:29:1c:ef:5a:0d:98:20:cb:25:84:65:f2:91:

78:a1:af:18:55:04:8f:64:c6:39:de:42:76:41:6c:

7e:3d:b3:bb:99:ef:58:72:31:cd:75:f5:1e:7e:b0:

30:33:87:cf:6b:a9:c5:c4:35:f8:d8:10:0b:c5:d8:

a0:82:37:33:05:9e:a7:3b:c1:dc:a5:5b:3b:2b:42:

f1:b7:91:7c:28:50:42:39:09:1a:c1:68:e4:cf:6c:

95:86:f7:20:18:0f:8f:9e:30:74:58:64:65:07:39:

d9:46:8e:55:ce:c8:f9:b0:9d:b3:23:57:77:8f:d9:

0d:5e:56:62:8b:3d:f6:6b:dd:34:64:88:95:23:99:

a9:ef:c5:d5:dd:0e:f1:d2:e3:27:ae:63:68:71:a4:

dd:d4:18:59:34:96:5c:25:81:c8:75:a7:cf:00:75:

d1:97:59:eb:93:de:6f:11:6a:fe:87:05:80:cf:63:

fa:6a:38:9a:83:30:07:ff:65:05:88:d0:1a:fa:55:

c6:ef:19:c1:18:a8:eb:87:78:7b:54:63:2e:11:5e:

19:dd:cb:8a:cd:4c:60:d0:b0:72:94:a5:49:5a:1d:

02:c6:7d:e4:a2:77:90:5d:83:46:01:05:10:2b:3e:

70:72:71:d2:4c:33:7e:67:07:62:66:47:fd:02:5b:

bd:10:fb:6a:78:75:38:20:ae:94:98:a4:e7:a3:6c:

e3:67:fc:d0:9d:75:e0:ea:a6:4e:d4:46:40:f0:d0:

cf:55:d3:1a:9a:20:cd:90:c9:04:22:24:38:85:ae:

54:81:e1:77:79:c9:85:27:fe:45:e1:c2:ff:25:af:

0c:bd:2c:8f:9c:3d:0b:62:5e:e2:b9:fa:1a:06:59:

36:1a:a2:b4:d5:8f:17:3a:21:0e:ea:47:d7:e1:1e:

a8:28:3a:2f:47:6e:63:cd:b9:8d:4f:18:9f:72:46:

f0:82:b2:11:14:4b:ae:d2:01:b0:e9:fe:63:60:e1:

6a:37:7c:2e:e1:3d:74:78:5c:a8:5c:79:a8:6b:30:

cb:e1:ae:81:11:60:46:d4:b4:6d:17:bb:05:32:7d:

33:3e:70:c7:42:da:c8:00:3e:5f:ee:e1:5f:e8:ac:

88:21:14:f7:e6:cd:2a:db:51:99:49:bd:fa:77:c0:

55:de:47:43:67:4a:2a:c8:ff:d2:03:7c:67:df:6e:

00:ca:eb:0c:37:e4:45:12:c3:61:99:c8:fb:36:ea:

eb:4d:b7:71:65:71:3c:8b:d0:a7:e9:83:ac:75:5a:

90:92:85:8c:07:d3:a0:cb:b4:d8:d7:fe:17:5e:31:

6a:72:89

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

AA:9F:DC:F8:44:00:F8:53:C7:A8:B2:6C:96:08:80:1A:CA:E5:F1:EA

X509v3 Authority Key Identifier:

keyid:48:BB:11:27:8E:E7:58:D8:7B:44:37:82:E5:00:D1:11:01:0C:4E:0D

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=EXPIRED\_ROOT\_CA

serial:00

Signature Algorithm: md5WithRSAEncryption

5f:8c:54:f7:6e:95:0e:ab:d8:85:5e:c1:36:59:35:a1:31:30:

7f:2a:35:97:eb:65:a8:cd:89:b0:d3:80:88:d7:ca:78:fb:c2:

4d:e3:a3:b1:17:ef:51:d9:b2:71:f7:b0:8a:76:5b:d0:d4:2e:

b9:cf:b6:bf:f8:8b:e2:79:bc:01:6c:c8:70:32:f9:bf:e6:38:

f6:93:9d:0b:6d:a3:1e:72:c8:d7:0a:64:e6:d7:5a:49:fb:72:

dc:6d:79:9b:e6:ff:96:ba:e2:ce:61:40:28:aa:5b:ce:b2:3f:

83:e4:57:da:c0:10:f2:53:1b:5e:9d:74:4c:8c:c1:b3:90:2e:

81:73

Chain depth: 1

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=EXPIRED\_ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2012 GMT

Not After : Feb 1 00:00:00 2012 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=EXPIRED\_ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:be:1e:06:8e:52:ea:10:ab:c9:6b:ba:86:60:8d:

29:95:38:6b:0c:1f:cb:f2:24:80:bb:02:64:8b:54:

c0:0d:27:8a:86:8a:61:2b:fb:59:fa:17:85:4a:b2:

6a:b5:dc:28:f4:4d:84:a6:9e:8f:34:ae:1c:97:8e:

c6:b6:be:a1:1a:0a:cb:97:13:30:ba:3d:8e:a2:ee:

43:9e:e4:97:5f:9f:e0:0a:f8:e4:11:f0:6f:2e:d1:

97:0f:0c:f3:d4:b5:60:44:7a:bd:e0:c8:c7:95:de:

3e:74:a7:f4:c7:1a:ef:29:32:fd:b1:da:ee:a3:0f:

49:1a:d2:b6:35:47:0a:bd:3b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

48:BB:11:27:8E:E7:58:D8:7B:44:37:82:E5:00:D1:11:01:0C:4E:0D

X509v3 Authority Key Identifier:

keyid:48:BB:11:27:8E:E7:58:D8:7B:44:37:82:E5:00:D1:11:01:0C:4E:0D

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=EXPIRED\_ROOT\_CA

serial:FD:B7:8C:E8:30:F9:48:2A

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

00:f6:3c:0f:e3:09:a6:7c:5a:35:52:5a:9a:cc:da:0b:5e:e3:

0a:02:9f:2c:55:dc:6d:de:da:3d:61:89:63:9d:5c:a1:37:fa:

09:68:39:bc:39:06:b3:42:3a:c8:3d:64:ef:9b:ab:8b:30:a5:

92:28:75:2f:bd:ba:2a:2e:6a:4c:d6:bd:03:2e:94:43:16:ae:

28:53:b4:24:fc:a0:1e:a1:5b:b5:cf:04:41:2f:87:f6:9e:fc:

cc:47:3a:d7:ae:6f:07:de:76:a0:c6:54:2b:41:c1:6b:2d:68:

67:35:ec:4d:3b:d9:40:1c:67:fe:4a:46:27:20:0d:7f:bc:ff:

15:37

Filename: untrusted-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=UNTRUSTED\_ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2011 GMT

Not After : Jan 1 00:00:00 2020 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=boo.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:e7:dc:d4:54:9b:78:38:93:37:71:de:42:50:dd:

71:c0:42:36:e7:c5:5a:3b:1f:d7:26:3f:6e:df:93:

88:fe:16:49:4e:62:29:b0:5e:03:d9:d0:a4:19:35:

c8:95:cb:51:fa:64:ad:fe:4f:d4:29:20:58:89:61:

f4:7e:5c:7b:10:52:62:a2:3f:2b:30:24:a0:08:86:

43:c8:fb:d8:89:37:68:5e:ee:04:ef:d2:01:ea:6f:

23:65:48:87:47:85:ce:41:39:ab:bb:9a:0c:92:c2:

56:f6:f6:9c:f5:2a:d3:d8:df:9a:e8:1b:03:82:95:

8b:8a:50:e4:e1:af:75:7c:3e:97:f4:08:1f:d2:8a:

70:be:21:73:6e:0f:11:e8:13:f4:36:b7:d8:a4:f3:

d2:28:11:91:5f:b0:f7:c7:45:e8:26:9f:1d:18:b6:

32:e1:19:d1:a0:77:af:65:cf:ed:97:c9:43:2a:f8:

67:71:74:ec:6b:ef:aa:e5:98:5d:5e:6e:15:bd:f1:

e4:c5:bf:fb:9e:c0:eb:94:a6:8b:62:c8:8e:10:58:

df:8b:03:d1:55:e6:37:da:c7:a2:2e:30:27:c0:a8:

95:07:11:d6:0b:fa:c3:fa:c5:f2:d9:6b:70:c0:eb:

8a:6e:84:49:94:8e:52:2f:74:b3:56:c3:7a:2a:5e:

78:21:0f:b2:0c:d8:97:e7:ed:da:9a:00:15:d9:65:

e2:d3:60:bc:b6:b8:9b:d6:80:d5:1c:89:c3:c2:29:

cb:b9:42:ec:ea:9c:28:db:03:88:09:9d:5f:3a:8c:

c5:05:f9:2f:9c:d1:c1:8f:0b:ce:6c:ab:2d:ef:0e:

35:99:01:63:c1:5f:04:a9:43:a9:88:ea:ee:fe:41:

4b:e7:45:f6:1e:55:b2:5a:f4:39:da:9d:3d:d0:ef:

06:bd:a6:98:2e:ec:86:25:30:4e:c0:c6:a0:77:c0:

78:1f:ff:63:26:c6:d5:8a:4a:4d:4a:60:eb:a6:cc:

0a:0d:2a:28:7a:f6:56:82:cd:ff:09:20:23:0a:11:

56:f1:6d:3c:01:eb:ab:91:e7:25:db:7a:61:2a:88:

a6:cf:d4:36:84:ba:0f:d4:90:0e:76:42:73:9a:46:

72:a9:b1:ce:77:0b:29:ba:37:41:a5:66:0d:76:d8:

4c:b1:ce:31:8d:7d:ee:fe:06:39:1f:27:98:6a:e5:

f8:c4:e4:6e:bb:23:d4:94:33:01:e9:52:ba:2c:81:

ec:09:35:e7:1a:8c:dd:98:d6:c4:20:a7:f1:36:a7:

ca:a1:cb:1b:cf:ff:e5:0d:b4:0a:7b:6b:42:5c:00:

16:f2:bd:20:db:5e:4f:ad:c0:cd:71:59:45:22:04:

8d:62:99

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

5F:E6:AA:38:D5:0E:88:12:F9:F4:FD:E5:AA:07:1C:2C:1A:44:43:02

X509v3 Authority Key Identifier:

keyid:3D:6D:A2:F0:2E:BB:8B:1B:5C:69:16:47:42:E7:24:87:A2:5E:5D:13

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=UNTRUSTED\_ROOT\_CA

serial:C9:72:F1:78:20:80:56:49

Signature Algorithm: md5WithRSAEncryption

20:be:5c:7e:01:71:3a:f6:d9:c9:d1:23:36:b8:c3:4f:a9:91:

26:80:c9:12:75:df:45:c1:23:48:38:9e:66:90:50:e7:86:72:

98:4b:86:f6:04:9f:33:35:26:a7:cf:11:9e:3a:62:da:2f:20:

ef:d0:40:df:db:79:72:0a:8a:f6:f6:fa:fc:2d:84:ea:44:ee:

f1:91:14:f0:48:ae:38:88:10:7a:bf:97:13:83:cd:f9:05:bd:

4c:03:09:3d:00:d3:70:59:fd:52:41:ce:98:05:c8:2f:b5:d3:

73:24:4b:7b:d8:f9:08:2f:3d:69:16:26:f9:91:ff:cb:ad:5c:

c9:90

Chain depth: 1

Version: 3 (0x2)

Serial Number: 14515930047212181065 (0xc972f17820805649)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=UNTRUSTED\_ROOT\_CA

Validity

Not Before: Jul 5 17:19:07 2012 GMT

Not After : Jul 3 17:19:07 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=UNTRUSTED\_ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:96:77:c7:33:e4:f7:3d:14:4c:26:23:e2:6d:47:

92:01:74:69:24:b3:31:7d:93:2e:c7:06:65:5f:d9:

df:7d:18:d1:a0:eb:fd:97:f0:84:a1:75:1b:e7:ba:

96:10:c3:c2:a5:85:eb:1c:62:73:03:e5:04:79:e2:

1e:aa:fb:36:91:f7:2f:a6:c6:78:f3:26:a8:a9:39:

22:9c:97:66:fe:0d:c6:77:71:d8:76:29:c8:a3:36:

97:74:84:aa:2c:5f:8d:db:6e:7a:5e:0b:ac:00:d1:

74:a3:c0:24:0a:ec:92:6c:78:d3:de:e1:82:d1:ef:

07:91:c3:5e:67:98:11:7c:6d

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

3D:6D:A2:F0:2E:BB:8B:1B:5C:69:16:47:42:E7:24:87:A2:5E:5D:13

X509v3 Authority Key Identifier:

keyid:3D:6D:A2:F0:2E:BB:8B:1B:5C:69:16:47:42:E7:24:87:A2:5E:5D:13

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=UNTRUSTED\_ROOT\_CA

serial:C9:72:F1:78:20:80:56:49

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

13:4e:f8:58:f2:d3:bb:67:91:33:8b:ac:a9:2a:4e:6f:20:dd:

4e:af:95:ef:9a:2a:be:68:b4:31:3b:7b:3c:a5:c9:3d:63:98:

2c:52:2e:1b:cb:d5:0d:75:be:21:8d:ef:6b:76:78:f9:d4:bd:

65:a8:2d:40:9f:8a:c2:93:12:29:83:05:2c:2e:9b:68:2e:a1:

3d:54:49:74:15:a1:aa:3a:c3:21:1a:7f:4d:f5:4b:55:7b:a7:

03:5a:7b:b3:22:12:d0:24:f0:c7:c2:a5:23:54:de:da:c3:b6:

f1:00:fc:f1:d1:82:f7:ef:23:fb:27:1b:65:38:1c:59:fc:d9:

1d:b1

Filename: afwClientCert-rsa-2048-sha256.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 1 (0x0)

Serial Number: 15700302649356165671 (0xd9e2ae1368ffa227)

Signature Algorithm: sha256WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=Quality Assurance

CN=solace\_qa\_afw\_client

emailAddress=roland.cheng@solacesystems.com

Validity

Not Before: Dec 10 21:50:52 2015 GMT

Not After : Nov 16 21:50:52 2115 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace Systems

OU=Quality Assurance

CN=solace\_qa\_afw\_client

emailAddress=roland.cheng@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:d0:6b:54:f9:61:b5:7d:b6:75:77:77:3a:03:90:

a0:2f:19:35:5c:4e:47:8b:d8:44:5f:40:9c:2f:3e:

b7:9a:eb:13:8c:39:93:d5:c3:da:7e:8d:87:6b:16:

ce:78:b1:f6:af:c0:98:20:4e:de:ad:c2:92:24:c6:

06:b5:22:6a:eb:50:37:b5:a7:f6:e3:ee:f3:37:19:

c1:d2:ef:cf:a0:c0:8b:81:c9:ad:cb:8e:e7:b1:8c:

c9:f4:8f:eb:fb:d4:a0:0b:0f:33:a2:b5:26:62:77:

e5:9c:90:d3:ea:d4:80:61:fd:fd:a5:d0:de:57:75:

af:b9:1d:ed:ad:61:48:92:93:66:6f:dc:a5:d1:cd:

15:25:80:9a:07:74:36:58:37:91:fc:e3:c1:55:dd:

ac:95:14:ff:4c:f8:af:b9:3a:1d:ea:27:14:54:7d:

2e:27:4a:8e:10:33:91:16:f8:3c:28:ba:6f:95:e9:

b9:5e:c1:8b:fc:a0:b2:a5:f3:f9:00:bc:6c:26:4c:

77:93:a5:43:1b:07:66:00:60:3c:62:ba:31:4b:87:

1c:f6:40:7b:8b:c4:3a:aa:9e:9c:24:25:f1:aa:fb:

fc:a9:3a:cd:12:f3:ec:5f:42:82:51:9f:9c:66:13:

4e:8a:27:35:01:ee:7d:58:3a:3c:7a:41:13:ec:dc:

19:73

Exponent: 65537 (0x10001)

Signature Algorithm: sha256WithRSAEncryption

b9:b3:6b:64:f6:06:d9:a5:eb:b5:e9:e0:60:82:89:c0:d8:34:

47:19:ae:6e:c3:68:57:54:b4:8f:8b:93:a3:25:92:d3:69:25:

9c:26:be:18:54:50:bd:0b:73:9b:5a:9c:66:6e:63:7b:38:76:

9e:76:1e:7d:39:1b:ef:53:8b:7a:15:42:3d:7c:48:be:02:98:

74:0a:41:0d:94:29:bd:fd:51:57:1e:a2:78:da:77:1d:c8:d8:

80:0b:2d:ac:6b:79:e1:37:73:12:47:58:29:9d:d8:95:01:d2:

36:65:31:40:b2:72:a7:7d:91:c1:ef:d8:c0:2e:e7:5a:0b:56:

49:4f:95:0d:5a:73:c3:30:a0:5e:2a:2c:11:64:db:fe:ed:7e:

0b:91:a9:6b:5c:97:86:38:88:07:e6:0a:38:0c:6b:d8:4c:22:

99:0d:f8:a0:84:fe:6f:a5:cc:53:7d:32:dc:ea:3b:32:e6:88:

b4:18:af:c5:c8:26:1f:01:13:cf:bf:0a:37:0a:cc:a5:ff:47:

fe:35:de:4a:e2:fd:42:09:ce:c0:44:e4:c2:89:37:47:cf:15:

5e:a2:af:d0:f6:80:3f:15:88:55:37:cb:44:14:42:de:6b:d1:

04:a4:2b:bf:40:fe:aa:2d:9c:69:fe:65:60:ef:29:0e:36:32:

c3:17:d1:78

Filename: scale3.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 15568683613131995428 (0xd80f13427d2d7924)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Ottawa

O=Solace

CN=CN3

Validity

Not Before: Feb 13 22:37:33 2017 GMT

Not After : Feb 13 22:37:33 2018 GMT

Subject:

C=CA

ST=Ontario

L=Ottawa

O=Solace

CN=CN3

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:a7:99:32:a6:5e:dd:0a:d1:ca:46:e6:65:52:d8:

b1:4c:31:96:fa:8f:f7:72:ae:5a:cd:2e:9d:9c:02:

93:bb:2e:8f:0b:23:54:67:d6:0e:9e:36:ad:71:50:

98:89:7e:b2:21:7f:6e:7c:94:1c:29:5b:e7:ad:52:

11:c0:ff:12:af:3b:2a:3f:1a:ff:c2:91:68:52:f4:

61:5e:2b:89:cf:c1:cd:32:80:1f:51:16:15:87:20:

56:fc:36:92:43:19:83:f0:cf:43:4c:6a:c6:23:f3:

d9:fd:e9:a7:15:25:3d:64:41:2c:c3:54:2a:a7:4e:

36:cf:0a:49:6c:71:3e:d8:54:75:6e:bd:43:21:f0:

85:e5:0b:5d:52:9c:8c:b9:9f:d8:42:ab:06:2c:ac:

75:7f:47:c8:b8:e4:48:97:1f:40:b4:f6:af:9e:87:

1e:23:9d:b1:e0:8f:13:32:07:1f:e9:aa:52:b8:b5:

df:eb:b2:71:df:1e:54:22:1f:3f:83:42:a4:25:90:

c8:0a:43:97:28:69:4d:81:57:47:6f:f8:8f:b8:02:

cb:33:03:e0:dd:0a:bb:5c:5a:df:a5:0a:8c:5b:15:

58:6e:94:13:7d:cb:9d:ea:35:e7:9d:8a:14:4b:c2:

9b:38:aa:24:18:8d:0d:5e:36:10:e8:0f:30:4f:b3:

6d:64:06:e0:35:e8:b9:1a:b9:9b:f1:d9:6a:90:20:

0c:06:e7:b2:ce:d7:38:40:0b:59:2a:a4:57:45:87:

7d:02:9f:d7:06:8d:2d:17:cd:30:88:1e:39:53:ef:

54:1b:ac:7e:4b:bf:5f:08:a2:3c:38:7f:2c:ec:1f:

99:6d:e2:e3:94:58:f6:7b:5d:45:78:ba:0e:16:53:

fd:52:1b:83:51:ff:d0:08:40:7b:72:5d:32:43:31:

3e:84:db:fe:e9:44:24:64:8d:0d:52:82:9a:64:95:

a2:84:d4:7f:dd:d0:94:e0:0d:97:4e:4a:53:71:b2:

c3:e5:76:28:01:d0:9e:0c:dd:14:b1:04:c4:b2:49:

cd:18:6c:8a:ed:fc:3e:74:2f:af:3c:15:a3:81:71:

fe:53:0a:cb:08:38:e2:6e:fa:71:76:f4:15:c6:b6:

7d:2c:1d:6f:01:9a:c8:47:9f:cb:b3:9d:23:20:29:

8f:60:25:fa:fb:e1:cb:04:9d:ff:ed:1f:20:63:bd:

9e:81:71:f6:cc:61:4d:37:25:b7:36:09:18:00:d5:

b1:13:43:05:3b:43:b9:9c:9a:38:1e:23:bd:6b:7d:

60:2a:92:e7:9a:a8:0b:58:16:ba:c7:42:d6:cd:0b:

34:a0:f6:40:29:ad:f0:f6:23:a7:2b:7a:80:32:28:

bf:f9:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

08:10:94:5F:93:24:AD:94:1E:B2:39:30:D0:69:DC:EB:AB:2E:B4:6C

X509v3 Authority Key Identifier:

keyid:08:10:94:5F:93:24:AD:94:1E:B2:39:30:D0:69:DC:EB:AB:2E:B4:6C

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

57:27:ce:5d:27:5b:fb:d1:cd:75:03:c1:ea:82:2e:fd:0c:c5:

93:e3:14:61:90:c3:99:16:dd:c0:f7:2a:3f:8f:cd:c0:46:e5:

29:67:32:ad:8a:ab:e5:a7:c5:72:3d:30:6c:41:bf:f8:6b:87:

2f:c5:51:c6:be:86:38:75:8c:11:63:82:b8:48:d2:e8:ab:67:

71:6d:d5:72:35:e9:52:15:b7:c2:db:b8:e1:2a:c6:11:22:60:

e7:0b:92:24:f4:92:8c:7f:f2:53:c4:7f:67:b6:d0:f7:04:d2:

a9:c1:a3:a9:be:0d:04:dd:d2:4b:cf:71:52:a8:3a:6d:5c:34:

f1:c4:59:2e:46:02:f1:47:f0:94:c2:f6:48:f1:c2:de:d5:7b:

29:e3:cb:e2:01:de:df:51:2b:08:71:16:ac:51:3a:0c:e3:6e:

38:5b:62:54:81:27:c9:c7:0b:58:0b:af:1d:77:ef:cf:cc:74:

65:df:50:da:b5:a6:e3:db:15:41:81:c4:df:79:96:88:2b:e1:

54:b2:54:6f:04:6c:11:ad:33:82:e9:ae:71:f5:80:90:15:0b:

36:d7:aa:5e:7a:59:cc:b9:4d:3b:7b:66:4e:1b:1b:39:d9:66:

74:c7:48:8f:3f:16:f3:2a:f6:09:b1:2f:b8:a2:35:c3:b7:be:

19:1b:6c:df:bf:59:96:c6:f7:70:33:ba:78:00:54:7b:77:08:

fc:d9:45:82:8c:c3:c3:95:4d:17:d2:94:c5:9c:73:bb:59:2f:

1b:fd:79:20:41:4d:8e:69:f1:19:03:1d:96:01:40:7f:8c:12:

74:b2:b7:19:0c:04:d8:b8:5c:94:06:3e:13:61:76:27:41:84:

9c:89:c6:11:b4:32:4b:10:7a:bb:e6:6d:0f:3e:b8:d3:9e:69:

9f:18:27:b2:b3:37:95:43:bf:ae:56:3e:6a:e3:6b:c5:7a:64:

62:c8:ca:65:7a:56:da:ee:f5:32:69:4c:e1:a9:cf:90:d2:b2:

24:b0:a3:33:31:a7:fb:a3:15:fa:67:7f:c9:39:1d:ff:ad:c9:

47:5d:9e:ac:57:ec:a4:18:19:a1:a8:f6:a6:08:19:34:60:46:

4e:c2:ae:45:42:df:9c:c4:24:37:52:b4:4f:de:0a:08:48:36:

85:aa:14:ca:d2:1a:79:cc:d3:39:61:47:53:ca:c2:14:e7:81:

cf:c2:be:42:cb:11:56:e1:4e:81:9c:cb:62:ff:5a:13:43:b4:

f3:23:3a:b2:14:7a:4d:4e:ca:38:b1:a0:98:81:f2:2b:9f:a6:

d5:91:c3:ce:43:f7:5a:63:d3:62:ef:96:b0:e9:da:73:d0:b4:

ee:24:54:67:fc:e0:d5:e4

Filename: scale3.key

Certificate: No

Private Key: Yes

Private Key Password: No

Filename: scale3.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 15568683613131995428 (0xd80f13427d2d7924)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Ottawa

O=Solace

CN=CN3

Validity

Not Before: Feb 13 22:37:33 2017 GMT

Not After : Feb 13 22:37:33 2018 GMT

Subject:

C=CA

ST=Ontario

L=Ottawa

O=Solace

CN=CN3

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:a7:99:32:a6:5e:dd:0a:d1:ca:46:e6:65:52:d8:

b1:4c:31:96:fa:8f:f7:72:ae:5a:cd:2e:9d:9c:02:

93:bb:2e:8f:0b:23:54:67:d6:0e:9e:36:ad:71:50:

98:89:7e:b2:21:7f:6e:7c:94:1c:29:5b:e7:ad:52:

11:c0:ff:12:af:3b:2a:3f:1a:ff:c2:91:68:52:f4:

61:5e:2b:89:cf:c1:cd:32:80:1f:51:16:15:87:20:

56:fc:36:92:43:19:83:f0:cf:43:4c:6a:c6:23:f3:

d9:fd:e9:a7:15:25:3d:64:41:2c:c3:54:2a:a7:4e:

36:cf:0a:49:6c:71:3e:d8:54:75:6e:bd:43:21:f0:

85:e5:0b:5d:52:9c:8c:b9:9f:d8:42:ab:06:2c:ac:

75:7f:47:c8:b8:e4:48:97:1f:40:b4:f6:af:9e:87:

1e:23:9d:b1:e0:8f:13:32:07:1f:e9:aa:52:b8:b5:

df:eb:b2:71:df:1e:54:22:1f:3f:83:42:a4:25:90:

c8:0a:43:97:28:69:4d:81:57:47:6f:f8:8f:b8:02:

cb:33:03:e0:dd:0a:bb:5c:5a:df:a5:0a:8c:5b:15:

58:6e:94:13:7d:cb:9d:ea:35:e7:9d:8a:14:4b:c2:

9b:38:aa:24:18:8d:0d:5e:36:10:e8:0f:30:4f:b3:

6d:64:06:e0:35:e8:b9:1a:b9:9b:f1:d9:6a:90:20:

0c:06:e7:b2:ce:d7:38:40:0b:59:2a:a4:57:45:87:

7d:02:9f:d7:06:8d:2d:17:cd:30:88:1e:39:53:ef:

54:1b:ac:7e:4b:bf:5f:08:a2:3c:38:7f:2c:ec:1f:

99:6d:e2:e3:94:58:f6:7b:5d:45:78:ba:0e:16:53:

fd:52:1b:83:51:ff:d0:08:40:7b:72:5d:32:43:31:

3e:84:db:fe:e9:44:24:64:8d:0d:52:82:9a:64:95:

a2:84:d4:7f:dd:d0:94:e0:0d:97:4e:4a:53:71:b2:

c3:e5:76:28:01:d0:9e:0c:dd:14:b1:04:c4:b2:49:

cd:18:6c:8a:ed:fc:3e:74:2f:af:3c:15:a3:81:71:

fe:53:0a:cb:08:38:e2:6e:fa:71:76:f4:15:c6:b6:

7d:2c:1d:6f:01:9a:c8:47:9f:cb:b3:9d:23:20:29:

8f:60:25:fa:fb:e1:cb:04:9d:ff:ed:1f:20:63:bd:

9e:81:71:f6:cc:61:4d:37:25:b7:36:09:18:00:d5:

b1:13:43:05:3b:43:b9:9c:9a:38:1e:23:bd:6b:7d:

60:2a:92:e7:9a:a8:0b:58:16:ba:c7:42:d6:cd:0b:

34:a0:f6:40:29:ad:f0:f6:23:a7:2b:7a:80:32:28:

bf:f9:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

08:10:94:5F:93:24:AD:94:1E:B2:39:30:D0:69:DC:EB:AB:2E:B4:6C

X509v3 Authority Key Identifier:

keyid:08:10:94:5F:93:24:AD:94:1E:B2:39:30:D0:69:DC:EB:AB:2E:B4:6C

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

57:27:ce:5d:27:5b:fb:d1:cd:75:03:c1:ea:82:2e:fd:0c:c5:

93:e3:14:61:90:c3:99:16:dd:c0:f7:2a:3f:8f:cd:c0:46:e5:

29:67:32:ad:8a:ab:e5:a7:c5:72:3d:30:6c:41:bf:f8:6b:87:

2f:c5:51:c6:be:86:38:75:8c:11:63:82:b8:48:d2:e8:ab:67:

71:6d:d5:72:35:e9:52:15:b7:c2:db:b8:e1:2a:c6:11:22:60:

e7:0b:92:24:f4:92:8c:7f:f2:53:c4:7f:67:b6:d0:f7:04:d2:

a9:c1:a3:a9:be:0d:04:dd:d2:4b:cf:71:52:a8:3a:6d:5c:34:

f1:c4:59:2e:46:02:f1:47:f0:94:c2:f6:48:f1:c2:de:d5:7b:

29:e3:cb:e2:01:de:df:51:2b:08:71:16:ac:51:3a:0c:e3:6e:

38:5b:62:54:81:27:c9:c7:0b:58:0b:af:1d:77:ef:cf:cc:74:

65:df:50:da:b5:a6:e3:db:15:41:81:c4:df:79:96:88:2b:e1:

54:b2:54:6f:04:6c:11:ad:33:82:e9:ae:71:f5:80:90:15:0b:

36:d7:aa:5e:7a:59:cc:b9:4d:3b:7b:66:4e:1b:1b:39:d9:66:

74:c7:48:8f:3f:16:f3:2a:f6:09:b1:2f:b8:a2:35:c3:b7:be:

19:1b:6c:df:bf:59:96:c6:f7:70:33:ba:78:00:54:7b:77:08:

fc:d9:45:82:8c:c3:c3:95:4d:17:d2:94:c5:9c:73:bb:59:2f:

1b:fd:79:20:41:4d:8e:69:f1:19:03:1d:96:01:40:7f:8c:12:

74:b2:b7:19:0c:04:d8:b8:5c:94:06:3e:13:61:76:27:41:84:

9c:89:c6:11:b4:32:4b:10:7a:bb:e6:6d:0f:3e:b8:d3:9e:69:

9f:18:27:b2:b3:37:95:43:bf:ae:56:3e:6a:e3:6b:c5:7a:64:

62:c8:ca:65:7a:56:da:ee:f5:32:69:4c:e1:a9:cf:90:d2:b2:

24:b0:a3:33:31:a7:fb:a3:15:fa:67:7f:c9:39:1d:ff:ad:c9:

47:5d:9e:ac:57:ec:a4:18:19:a1:a8:f6:a6:08:19:34:60:46:

4e:c2:ae:45:42:df:9c:c4:24:37:52:b4:4f:de:0a:08:48:36:

85:aa:14:ca:d2:1a:79:cc:d3:39:61:47:53:ca:c2:14:e7:81:

cf:c2:be:42:cb:11:56:e1:4e:81:9c:cb:62:ff:5a:13:43:b4:

f3:23:3a:b2:14:7a:4d:4e:ca:38:b1:a0:98:81:f2:2b:9f:a6:

d5:91:c3:ce:43:f7:5a:63:d3:62:ef:96:b0:e9:da:73:d0:b4:

ee:24:54:67:fc:e0:d5:e4

Filename: client1-depth3-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 13825020997983144287 (0xbfdc57597d1a095f)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 16 15:11:04 2017 GMT

Not After : Dec 23 15:11:04 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-Depth3

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:da:d5:a6:b5:27:6b:b3:e6:37:8f:4e:47:11:44:

47:8f:37:6c:5c:1c:71:61:c3:ad:68:47:a2:68:2b:

76:9e:68:1c:95:ee:32:2c:00:57:94:34:c6:a0:7e:

5a:6b:a2:77:74:00:c6:02:55:21:ce:d4:3f:d8:89:

09:61:06:dd:e7:d6:f0:b3:50:a7:1f:1d:4e:42:d9:

24:b9:a8:8f:aa:bd:9d:75:28:79:e7:83:66:b4:7b:

d9:35:54:a4:7f:3b:5c:99:2c:a5:2e:b2:ff:b4:0a:

09:72:50:c8:c4:27:0a:63:3c:2e:b9:92:6e:49:b7:

5b:b1:77:ae:4b:a3:0e:37:ad

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

9A:5F:AD:34:55:25:41:5F:0D:7F:54:28:5C:92:FE:4A:2B:62:2B:64

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

Signature Algorithm: sha1WithRSAEncryption

11:bb:19:32:9a:0a:0c:d0:5b:4d:d4:e5:77:ef:ae:fb:6f:6f:

93:8d:6d:32:64:89:b5:ec:d6:54:af:c7:e0:5b:49:0a:a5:43:

03:52:b1:0e:6a:ba:5a:3c:51:0b:ca:27:ae:fe:5e:25:7b:f3:

21:b1:1d:95:f6:32:aa:d5:75:ea:c0:4d:e8:db:d0:4e:42:5e:

75:26:61:24:d0:67:7b:41:c5:79:86:a9:3f:1e:ec:ef:67:31:

fd:54:8b:77:75:bd:19:47:68:b2:69:13:0c:d8:28:85:95:83:

23:3c:f7:5e:e9:e0:15:37:31:81:18:57:8e:e1:b9:1c:5c:05:

0c:20:9c:ef:b1:9a:74:75:1a:97:4c:92:8c:e3:da:7a:c8:7f:

54:12:b3:17:a6:83:fd:65:80:9b:55:18:e4:b6:fc:9d:c6:33:

54:d6:66:45:0a:c1:53:de:c0:4b:28:3b:d5:b1:9a:66:f0:d5:

07:55:3d:40:ce:78:29:51:6a:c9:7b:99:21:57:59:2e:e5:39:

98:4d:85:92:53:70:33:29:6e:bc:ec:39:15:2e:07:2c:2d:14:

8b:c1:cc:bc:69:4a:09:90:59:db:99:03:cd:53:3e:4f:47:29:

19:7c:f6:05:d2:3f:55:c7:e8:81:78:80:0e:ed:78:e7:a5:2b:

e5:d9:4f:3b:16:de:f2:1e:12:b2:02:ee:ef:5c:63:23:e8:2e:

b7:13:96:78:0d:ed:e2:bd:c4:ff:9f:9b:cb:c3:b9:d0:a2:99:

6b:9d:b9:fb:21:13:1c:f8:e6:24:54:5d:ee:52:da:5e:04:a3:

90:e8:32:56:b4:1c:0f:aa:b2:b5:aa:f3:9e:24:26:f5:cc:7d:

49:f5:ac:c8:0f:c5:3c:fa:41:f4:c7:8d:c4:67:0d:84:3e:cf:

27:8d:3d:77:14:96:75:12:f4:df:37:1a:8c:38:1c:89:a8:2d:

ce:5c:34:ac:bd:7f:16:4d:b6:08:c4:32:88:25:f2:56:89:04:

bf:de:2e:4e:1d:db:af:16:82:9f:30:7f:df:70:dc:39:af:d3:

8e:06:80:b9:e6:c9:1e:7b:87:0d:eb:9f:78:a2:33:78:29:97:

19:c7:d7:72:ca:5d:fb:a8:de:c2:df:57:d4:58:45:07:39:b2:

15:ee:47:13:8b:00:38:cf:cb:6c:67:75:41:ed:45:8f:b8:6d:

7b:84:e1:5a:2e:79:3c:91:3b:c5:05:1a:74:19:af:f8:d0:1c:

7c:0c:9c:88:51:fd:3d:72:66:e8:1e:74:00:ca:8c:19:b3:61:

11:ee:11:3e:5b:6b:dc:de:8e:36:bf:db:5f:5d:e6:ab:7f:81:

ac:27:01:32:de:35:1e:f3

Filename: client1-depth3-rsa.key

Certificate: No

Private Key: Yes

Private Key Password: No

Filename: client1-depth3-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 13825020997983144287 (0xbfdc57597d1a095f)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 16 15:11:04 2017 GMT

Not After : Dec 23 15:11:04 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-Depth3

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:da:d5:a6:b5:27:6b:b3:e6:37:8f:4e:47:11:44:

47:8f:37:6c:5c:1c:71:61:c3:ad:68:47:a2:68:2b:

76:9e:68:1c:95:ee:32:2c:00:57:94:34:c6:a0:7e:

5a:6b:a2:77:74:00:c6:02:55:21:ce:d4:3f:d8:89:

09:61:06:dd:e7:d6:f0:b3:50:a7:1f:1d:4e:42:d9:

24:b9:a8:8f:aa:bd:9d:75:28:79:e7:83:66:b4:7b:

d9:35:54:a4:7f:3b:5c:99:2c:a5:2e:b2:ff:b4:0a:

09:72:50:c8:c4:27:0a:63:3c:2e:b9:92:6e:49:b7:

5b:b1:77:ae:4b:a3:0e:37:ad

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

9A:5F:AD:34:55:25:41:5F:0D:7F:54:28:5C:92:FE:4A:2B:62:2B:64

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

Signature Algorithm: sha1WithRSAEncryption

11:bb:19:32:9a:0a:0c:d0:5b:4d:d4:e5:77:ef:ae:fb:6f:6f:

93:8d:6d:32:64:89:b5:ec:d6:54:af:c7:e0:5b:49:0a:a5:43:

03:52:b1:0e:6a:ba:5a:3c:51:0b:ca:27:ae:fe:5e:25:7b:f3:

21:b1:1d:95:f6:32:aa:d5:75:ea:c0:4d:e8:db:d0:4e:42:5e:

75:26:61:24:d0:67:7b:41:c5:79:86:a9:3f:1e:ec:ef:67:31:

fd:54:8b:77:75:bd:19:47:68:b2:69:13:0c:d8:28:85:95:83:

23:3c:f7:5e:e9:e0:15:37:31:81:18:57:8e:e1:b9:1c:5c:05:

0c:20:9c:ef:b1:9a:74:75:1a:97:4c:92:8c:e3:da:7a:c8:7f:

54:12:b3:17:a6:83:fd:65:80:9b:55:18:e4:b6:fc:9d:c6:33:

54:d6:66:45:0a:c1:53:de:c0:4b:28:3b:d5:b1:9a:66:f0:d5:

07:55:3d:40:ce:78:29:51:6a:c9:7b:99:21:57:59:2e:e5:39:

98:4d:85:92:53:70:33:29:6e:bc:ec:39:15:2e:07:2c:2d:14:

8b:c1:cc:bc:69:4a:09:90:59:db:99:03:cd:53:3e:4f:47:29:

19:7c:f6:05:d2:3f:55:c7:e8:81:78:80:0e:ed:78:e7:a5:2b:

e5:d9:4f:3b:16:de:f2:1e:12:b2:02:ee:ef:5c:63:23:e8:2e:

b7:13:96:78:0d:ed:e2:bd:c4:ff:9f:9b:cb:c3:b9:d0:a2:99:

6b:9d:b9:fb:21:13:1c:f8:e6:24:54:5d:ee:52:da:5e:04:a3:

90:e8:32:56:b4:1c:0f:aa:b2:b5:aa:f3:9e:24:26:f5:cc:7d:

49:f5:ac:c8:0f:c5:3c:fa:41:f4:c7:8d:c4:67:0d:84:3e:cf:

27:8d:3d:77:14:96:75:12:f4:df:37:1a:8c:38:1c:89:a8:2d:

ce:5c:34:ac:bd:7f:16:4d:b6:08:c4:32:88:25:f2:56:89:04:

bf:de:2e:4e:1d:db:af:16:82:9f:30:7f:df:70:dc:39:af:d3:

8e:06:80:b9:e6:c9:1e:7b:87:0d:eb:9f:78:a2:33:78:29:97:

19:c7:d7:72:ca:5d:fb:a8:de:c2:df:57:d4:58:45:07:39:b2:

15:ee:47:13:8b:00:38:cf:cb:6c:67:75:41:ed:45:8f:b8:6d:

7b:84:e1:5a:2e:79:3c:91:3b:c5:05:1a:74:19:af:f8:d0:1c:

7c:0c:9c:88:51:fd:3d:72:66:e8:1e:74:00:ca:8c:19:b3:61:

11:ee:11:3e:5b:6b:dc:de:8e:36:bf:db:5f:5d:e6:ab:7f:81:

ac:27:01:32:de:35:1e:f3

Chain depth: 1

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Dec 31 19:00:00 2011 GMT

Not After : Dec 31 19:00:00 2050 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

a6:68:65:cb:c7:3a:28:eb:ef:6e:57:2b:ea:82:25:1d:64:e0:

f6:ca:28:54:0b:b3:17:c1:bb:1d:f4:e5:a6:28:e4:77:1d:94:

9a:de:01:5c:b5:c5:50:ad:ad:3b:d7:92:f6:c6:fe:23:93:78:

4a:cf:69:92:06:8e:ab:a7:ec:3a:76:f2:ff:ce:29:e0:d7:9e:

f3:93:c7:b0:54:43:37:58:b9:10:44:40:9c:d2:23:78:fb:63:

12:53:7f:f1:99:db:d4:9f:68:eb:ee:e5:13:2c:ac:d3:0c:94:

b0:30:c7:5b:3e:ee:b3:6a:b5:fe:5d:5f:e8:92:7c:29:c0:06:

39:ca:cc:1e:46:a2:36:68:d5:c8:1e:1f:d4:4d:05:b8:79:2a:

fc:9b:7a:c4:05:d9:bc:d9:8c:f2:96:a6:2e:b8:13:94:c6:7c:

8e:7c:bc:f3:bd:48:cb:73:a7:86:cd:c6:9e:b5:00:1b:5a:57:

9e:7b:ea:88:7f:af:64:75:7e:c9:e5:0e:c7:dc:10:67:b3:73:

8b:b2:01:0b:2c:7e:41:53:3a:53:94:39:ad:89:9b:3a:c4:a2:

6c:af:fa:c5:ad:64:0b:1f:85:99:f7:ac:74:e9:66:04:03:64:

be:92:4c:88:84:64:bf:88:2c:e8:fc:69:e2:f8:31:a4:d1:ee:

7f:b7:56:35:c0:ed:42:0e:9e:b5:e2:51:14:32:79:98:22:39:

27:da:6f:b1:17:0d:e0:0b:90:fd:cf:24:43:8e:9f:76:63:44:

b2:a9:65:d2:32:e6:e8:49:49:cb:37:be:35:56:e0:d7:91:5d:

5b:40:ae:b3:08:81:1c:63:6e:fb:48:dd:e3:87:48:96:fb:83:

95:17:9b:04:d6:84:77:04:3c:a2:7e:c8:bd:9c:f3:a7:3c:07:

1d:9b:da:e6:29:d7:2b:82:6d:84:22:b7:d4:03:26:fd:af:45:

71:c9:53:19:6d:8f:42:1b:83:cf:91:7e:cb:c9:04:6a:9d:75:

26:5c:a6:05:a7:93:d3:41:3f:b2:0b:fe:da:53:d3:60:e6:a2:

2f:f1:59:6c:10:da:61:0c:69:6d:a0:d0:3a:fe:4f:5f:a0:78:

8d:01:5a:85:07:f8:30:52:e7:dc:58:bb:f1:6b:cb:77:4b:67:

dc:76:22:71:e0:6d:cf:f4:ac:ce:99:8e:b7:ba:42:cc:77:5c:

1f:51:68:9d:d8:21:b1:8a:ea:a9:65:f9:45:fe:11:7a:0b:67:

bc:a9:40:2e:e8:32:79:6e:f8:da:71:d0:ad:60:c7:10:b2:14:

69:9d:55:fa:f3:85:49:76:d7:89:4b:11:70:a8:c7:8c:59:69:

98:51:c5:a1:96:e3:75:7f

Chain depth: 2

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2011 GMT

Not After : Jan 1 00:00:00 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

45:bb:c5:a1:ad:ee:ae:9b:dd:e3:e2:43:0b:cb:d9:43:e1:04:

fb:d3:96:1d:0b:41:01:94:a9:42:27:41:55:46:78:0e:41:6a:

4a:1a:d5:95:37:da:e7:e2:83:b0:b4:44:a0:6b:d4:a8:65:25:

6b:c5:fd:f4:ae:62:e1:64:42:e7:fb:50:b7:0f:31:39:a6:09:

08:25:83:d2:66:9e:82:3a:6a:37:d5:ff:25:17:85:42:ec:96:

4f:26:1c:af:49:f0:d7:c5:58:c4:5a:79:91:70:56:64:4a:87:

e0:0e:64:56:b8:d4:91:1e:e1:9e:53:92:73:94:aa:c5:c2:32:

33:04

Chain depth: 3

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: client1-depth4-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 14211656953276503293 (0xc539f2b3d1c194fd)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Validity

Not Before: Jan 13 19:46:35 2017 GMT

Not After : Dec 20 19:46:35 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-Depth4

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:e5:f6:1d:a2:20:19:ef:a6:f0:70:e7:e5:b2:13:

59:9c:fc:6f:c9:84:60:b5:67:48:af:c2:7a:c1:10:

f8:b5:88:e4:78:48:bb:c4:84:51:1a:a5:bc:ac:0b:

ee:85:df:dd:9d:e4:50:46:4d:76:a8:f9:2b:fb:70:

4a:0f:4e:68:36:7a:45:da:a0:92:ca:1f:96:8a:49:

7d:a3:a7:7d:48:66:68:23:33:2e:7f:f5:81:74:19:

f0:37:f5:f7:6a:c8:8d:43:e7:91:f9:ef:d3:5f:c1:

9a:80:0e:1a:de:29:bd:c6:cd:cd:7e:ed:c0:c2:f1:

e0:ea:39:9d:4d:63:54:e6:51:42:46:90:96:10:28:

94:d6:dc:af:58:20:a3:18:b0:ba:66:c3:4d:ab:02:

55:2c:0a:8d:63:41:71:30:eb:82:aa:be:cb:d9:59:

9b:4f:e6:2f:eb:9c:8c:1c:0b:60:75:00:57:0f:c0:

95:81:76:0f:7f:58:81:bb:aa:e2:d5:8b:68:5f:d9:

90:5c:32:eb:73:57:52:ab:b6:6c:33:ed:a8:90:22:

9c:e3:ea:7f:dc:35:99:42:cf:16:05:fd:6e:da:2e:

ad:8f:8b:6f:bd:46:15:58:21:41:50:2c:4b:cf:74:

6d:d4:18:20:31:40:d8:3c:a4:4c:52:76:45:0a:1c:

c4:c1:cf:cb:4b:3b:39:77:dc:a6:b6:fc:81:5a:b9:

d7:89:17:a7:7d:7c:29:a9:d6:9f:b6:b9:51:3c:f5:

11:bb:9d:67:48:d9:37:79:be:b0:1d:df:70:d2:b8:

f4:c1:85:ab:0e:7c:5d:6e:f0:61:88:2f:9f:e0:78:

0e:f5:ce:83:d5:ab:e0:96:dc:4e:3b:c3:ee:e6:c1:

1e:19:9b:6a:1e:34:e8:d0:a8:97:63:b2:f3:89:51:

87:68:a6:ee:ce:24:fa:06:a4:33:f0:e6:a4:cd:18:

4d:53:5a:58:26:82:9e:11:aa:14:2b:10:88:4e:eb:

ce:14:ef:79:89:cd:f9:a3:3b:ea:a2:2b:b8:6e:64:

eb:40:24:90:dd:75:11:4b:db:9e:1a:7a:d7:6f:f8:

1e:d8:6b:bd:8f:fb:6a:50:65:80:40:96:2a:a9:78:

94:3b:cc:be:da:b3:86:5b:84:90:22:b6:f9:57:1e:

5f:f9:77:1b:87:c5:8e:15:4c:82:e3:ea:3c:17:5a:

20:ac:15:63:2f:40:95:fd:b4:be:9f:6b:77:9d:9a:

4c:7c:95:48:a8:2c:55:39:dc:07:d7:b2:16:44:3b:

d4:4d:d0:12:d0:84:13:2a:eb:4f:fe:6d:45:39:f7:

fa:5c:c4:07:ef:c9:44:36:e6:30:8e:2f:a0:ce:9a:

d3:66:41

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

42:C8:BB:C4:F8:5F:FB:33:9B:D3:69:81:B2:6F:B7:0D:7C:D7:77:7D

X509v3 Authority Key Identifier:

keyid:D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL3\_CA

serial:BF:DC:57:59:7D:1A:09:5E

Signature Algorithm: sha1WithRSAEncryption

67:58:a5:da:e4:6d:e8:20:23:02:d5:1e:48:8e:f0:c0:78:8a:

ee:ac:f4:19:82:3c:96:40:06:e0:4a:0f:ed:8c:9e:b7:95:ee:

58:82:79:b6:81:29:69:f4:40:1f:70:72:c1:4f:30:b5:32:a7:

3a:ca:00:a3:95:ef:e0:a5:ef:e0:a9:79:61:83:6a:48:99:1f:

d7:fe:10:52:e0:ab:b2:20:35:20:4f:26:73:ef:65:6c:66:ac:

7e:3b:45:62:16:65:cd:d1:c1:2d:e2:07:fb:f7:74:36:74:b9:

57:03:d2:d9:2a:6b:7b:a2:85:31:a6:dc:d4:54:9a:78:33:41:

42:12:06:33:be:e2:cc:80:87:3e:f4:9c:34:e9:19:00:05:54:

87:a4:7e:0c:b1:df:ae:c0:01:b2:cc:0b:4a:70:df:d6:73:b6:

86:ed:90:1d:1f:da:29:88:c3:3d:7c:44:92:28:1d:a0:7a:8c:

3a:94:44:1a:d3:e7:2c:a5:a6:84:c5:18:23:af:7b:f5:46:94:

12:22:14:ac:46:97:25:49:3f:e8:37:11:6e:b0:c3:19:9e:c0:

b0:78:0e:e7:ae:21:00:7b:95:62:2a:37:60:cd:3b:d5:24:88:

83:10:61:a0:00:b9:75:3d:14:0e:0d:8e:3b:32:78:3b:1b:5b:

a3:54:51:3b:2e:84:1a:a8:67:b0:e0:ca:d4:c6:a9:77:f9:ff:

2c:7b:8a:fe:7d:a8:1c:27:02:40:12:32:64:07:7c:fd:ea:93:

be:bf:84:e9:1e:b2:fc:0a:63:b4:9c:e8:f3:22:db:a2:1d:02:

5d:d3:49:65:4c:f8:4a:17:39:ab:ba:b1:50:9b:84:6e:85:f8:

f1:52:4a:62:d0:4a:a6:73:91:13:32:b0:39:c8:79:1f:fa:04:

d4:b3:89:1f:9b:2b:77:0a:21:98:bc:cb:72:57:1d:d7:d3:ee:

7b:fd:49:dd:b3:a6:8a:8c:11:9c:83:b8:af:e5:ec:63:52:72:

19:75:76:c2:e2:69:ea:1a:34:e4:6b:24:ed:a4:c8:ce:af:79:

da:5e:c7:9f:0f:d3:ce:b8:5d:13:c3:fe:59:7b:5d:0e:ff:27:

4f:8f:87:19:48:05:58:b8:55:b1:07:d8:d4:ee:2c:f7:a7:5c:

3c:02:60:23:1e:65:00:90:a3:a3:cb:57:8a:17:7b:6a:95:78:

d3:5e:95:ef:d7:fd:7f:10:31:b1:ab:c6:60:ae:90:c8:2b:d1:

5f:87:ac:52:4d:e4:07:8c:e5:49:af:6f:e7:c4:f0:a1:6d:a4:

56:d7:ea:16:cc:6f:4c:5f:48:e3:9d:61:c8:de:9c:fd:5e:bd:

5a:31:17:f6:b7:e0:ee:3e

Filename: client1-depth4-rsa.key

Certificate: No

Private Key: Yes

Private Key Password: No

Filename: client1-depth4-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 14211656953276503293 (0xc539f2b3d1c194fd)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Validity

Not Before: Jan 13 19:46:35 2017 GMT

Not After : Dec 20 19:46:35 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-Depth4

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:e5:f6:1d:a2:20:19:ef:a6:f0:70:e7:e5:b2:13:

59:9c:fc:6f:c9:84:60:b5:67:48:af:c2:7a:c1:10:

f8:b5:88:e4:78:48:bb:c4:84:51:1a:a5:bc:ac:0b:

ee:85:df:dd:9d:e4:50:46:4d:76:a8:f9:2b:fb:70:

4a:0f:4e:68:36:7a:45:da:a0:92:ca:1f:96:8a:49:

7d:a3:a7:7d:48:66:68:23:33:2e:7f:f5:81:74:19:

f0:37:f5:f7:6a:c8:8d:43:e7:91:f9:ef:d3:5f:c1:

9a:80:0e:1a:de:29:bd:c6:cd:cd:7e:ed:c0:c2:f1:

e0:ea:39:9d:4d:63:54:e6:51:42:46:90:96:10:28:

94:d6:dc:af:58:20:a3:18:b0:ba:66:c3:4d:ab:02:

55:2c:0a:8d:63:41:71:30:eb:82:aa:be:cb:d9:59:

9b:4f:e6:2f:eb:9c:8c:1c:0b:60:75:00:57:0f:c0:

95:81:76:0f:7f:58:81:bb:aa:e2:d5:8b:68:5f:d9:

90:5c:32:eb:73:57:52:ab:b6:6c:33:ed:a8:90:22:

9c:e3:ea:7f:dc:35:99:42:cf:16:05:fd:6e:da:2e:

ad:8f:8b:6f:bd:46:15:58:21:41:50:2c:4b:cf:74:

6d:d4:18:20:31:40:d8:3c:a4:4c:52:76:45:0a:1c:

c4:c1:cf:cb:4b:3b:39:77:dc:a6:b6:fc:81:5a:b9:

d7:89:17:a7:7d:7c:29:a9:d6:9f:b6:b9:51:3c:f5:

11:bb:9d:67:48:d9:37:79:be:b0:1d:df:70:d2:b8:

f4:c1:85:ab:0e:7c:5d:6e:f0:61:88:2f:9f:e0:78:

0e:f5:ce:83:d5:ab:e0:96:dc:4e:3b:c3:ee:e6:c1:

1e:19:9b:6a:1e:34:e8:d0:a8:97:63:b2:f3:89:51:

87:68:a6:ee:ce:24:fa:06:a4:33:f0:e6:a4:cd:18:

4d:53:5a:58:26:82:9e:11:aa:14:2b:10:88:4e:eb:

ce:14:ef:79:89:cd:f9:a3:3b:ea:a2:2b:b8:6e:64:

eb:40:24:90:dd:75:11:4b:db:9e:1a:7a:d7:6f:f8:

1e:d8:6b:bd:8f:fb:6a:50:65:80:40:96:2a:a9:78:

94:3b:cc:be:da:b3:86:5b:84:90:22:b6:f9:57:1e:

5f:f9:77:1b:87:c5:8e:15:4c:82:e3:ea:3c:17:5a:

20:ac:15:63:2f:40:95:fd:b4:be:9f:6b:77:9d:9a:

4c:7c:95:48:a8:2c:55:39:dc:07:d7:b2:16:44:3b:

d4:4d:d0:12:d0:84:13:2a:eb:4f:fe:6d:45:39:f7:

fa:5c:c4:07:ef:c9:44:36:e6:30:8e:2f:a0:ce:9a:

d3:66:41

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

42:C8:BB:C4:F8:5F:FB:33:9B:D3:69:81:B2:6F:B7:0D:7C:D7:77:7D

X509v3 Authority Key Identifier:

keyid:D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL3\_CA

serial:BF:DC:57:59:7D:1A:09:5E

Signature Algorithm: sha1WithRSAEncryption

67:58:a5:da:e4:6d:e8:20:23:02:d5:1e:48:8e:f0:c0:78:8a:

ee:ac:f4:19:82:3c:96:40:06:e0:4a:0f:ed:8c:9e:b7:95:ee:

58:82:79:b6:81:29:69:f4:40:1f:70:72:c1:4f:30:b5:32:a7:

3a:ca:00:a3:95:ef:e0:a5:ef:e0:a9:79:61:83:6a:48:99:1f:

d7:fe:10:52:e0:ab:b2:20:35:20:4f:26:73:ef:65:6c:66:ac:

7e:3b:45:62:16:65:cd:d1:c1:2d:e2:07:fb:f7:74:36:74:b9:

57:03:d2:d9:2a:6b:7b:a2:85:31:a6:dc:d4:54:9a:78:33:41:

42:12:06:33:be:e2:cc:80:87:3e:f4:9c:34:e9:19:00:05:54:

87:a4:7e:0c:b1:df:ae:c0:01:b2:cc:0b:4a:70:df:d6:73:b6:

86:ed:90:1d:1f:da:29:88:c3:3d:7c:44:92:28:1d:a0:7a:8c:

3a:94:44:1a:d3:e7:2c:a5:a6:84:c5:18:23:af:7b:f5:46:94:

12:22:14:ac:46:97:25:49:3f:e8:37:11:6e:b0:c3:19:9e:c0:

b0:78:0e:e7:ae:21:00:7b:95:62:2a:37:60:cd:3b:d5:24:88:

83:10:61:a0:00:b9:75:3d:14:0e:0d:8e:3b:32:78:3b:1b:5b:

a3:54:51:3b:2e:84:1a:a8:67:b0:e0:ca:d4:c6:a9:77:f9:ff:

2c:7b:8a:fe:7d:a8:1c:27:02:40:12:32:64:07:7c:fd:ea:93:

be:bf:84:e9:1e:b2:fc:0a:63:b4:9c:e8:f3:22:db:a2:1d:02:

5d:d3:49:65:4c:f8:4a:17:39:ab:ba:b1:50:9b:84:6e:85:f8:

f1:52:4a:62:d0:4a:a6:73:91:13:32:b0:39:c8:79:1f:fa:04:

d4:b3:89:1f:9b:2b:77:0a:21:98:bc:cb:72:57:1d:d7:d3:ee:

7b:fd:49:dd:b3:a6:8a:8c:11:9c:83:b8:af:e5:ec:63:52:72:

19:75:76:c2:e2:69:ea:1a:34:e4:6b:24:ed:a4:c8:ce:af:79:

da:5e:c7:9f:0f:d3:ce:b8:5d:13:c3:fe:59:7b:5d:0e:ff:27:

4f:8f:87:19:48:05:58:b8:55:b1:07:d8:d4:ee:2c:f7:a7:5c:

3c:02:60:23:1e:65:00:90:a3:a3:cb:57:8a:17:7b:6a:95:78:

d3:5e:95:ef:d7:fd:7f:10:31:b1:ab:c6:60:ae:90:c8:2b:d1:

5f:87:ac:52:4d:e4:07:8c:e5:49:af:6f:e7:c4:f0:a1:6d:a4:

56:d7:ea:16:cc:6f:4c:5f:48:e3:9d:61:c8:de:9c:fd:5e:bd:

5a:31:17:f6:b7:e0:ee:3e

Chain depth: 1

Version: 3 (0x2)

Serial Number: 13825020997983144286 (0xbfdc57597d1a095e)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 13 19:41:15 2017 GMT

Not After : Jan 11 19:41:15 2027 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ec:42:83:6c:3a:81:23:fe:e5:83:1b:e8:b9:63:

ac:d0:33:ab:b8:fa:c6:d9:e8:93:48:3c:2f:79:ef:

fc:93:c7:47:97:a8:e3:e0:dd:05:4c:e9:44:ff:6d:

4e:c2:e7:79:e8:c1:3d:22:1a:d8:91:89:9a:86:51:

fb:46:1f:bb:0b:ea:7f:bd:3d:03:ac:60:de:ec:b8:

80:bc:d7:71:47:4d:15:43:d1:1d:05:09:22:bd:35:

10:03:09:c1:b0:2d:0d:66:f7:29:63:d6:1d:6c:4a:

7c:fe:68:0d:52:22:21:e5:0c:14:5f:47:c6:a5:d6:

e6:1f:5e:45:e6:b8:0c:b7:48:fc:e1:db:43:c5:59:

51:8a:0d:9b:16:1c:30:4e:1b:47:3f:91:ca:43:b6:

20:0e:98:34:97:cd:cc:6a:48:fd:ac:d5:9d:08:f7:

c8:fb:6b:d9:a4:8d:3f:50:25:7f:01:f2:5e:48:36:

bc:87:60:8b:55:2b:18:1e:0c:f9:d6:65:91:94:fb:

61:14:b9:1e:0e:14:99:7a:33:c1:f9:84:c4:d4:46:

f7:a6:d7:51:a9:26:09:a3:9f:32:7e:58:f3:28:0f:

47:68:57:c4:95:99:a2:20:7e:df:ff:f3:94:2d:6c:

92:90:90:9b:46:b2:c8:bf:5e:94:94:3c:76:f7:82:

41:3b:1d:85:a2:f9:95:35:47:2f:f5:58:26:2c:a3:

bc:6f:47:a5:0a:cc:af:23:0f:aa:f4:91:72:ff:5a:

41:5d:f6:1e:e6:5d:37:68:5b:21:5d:ae:c9:ac:5f:

bb:3e:4e:9c:fb:1c:3d:af:23:2f:35:09:96:71:ed:

f8:1d:d5:19:7d:53:8f:b8:e5:74:76:80:c9:ad:89:

e6:ef:79:0e:3d:e4:ae:45:fb:d7:22:26:db:73:b1:

19:57:1f:68:fe:c9:8b:41:88:7d:7c:da:33:3a:68:

eb:b1:ee:d9:d7:6c:06:e9:8a:9e:d9:03:46:19:e5:

c3:90:c2:8d:2e:8c:e8:89:c0:81:b4:4e:18:71:18:

39:4a:33:49:5e:06:c3:ea:47:e6:03:f9:65:34:2c:

81:b3:e7:02:94:8a:50:81:9e:8f:4e:d0:24:34:7e:

2c:b6:66:f8:a5:f5:f1:50:3b:95:f0:f0:9c:a2:14:

94:73:b7:15:0a:a0:25:39:85:67:fe:f6:3f:c0:81:

dd:47:07:6c:d2:4e:be:db:78:d2:ba:ff:67:1a:5a:

11:5a:95:b1:7b:9c:38:a9:f5:26:d6:d1:30:70:2e:

13:97:e5:6d:85:7a:b3:94:67:8d:11:58:ac:0e:25:

0d:5a:ff:c8:c2:95:23:9d:ef:08:21:18:dc:c5:18:

d2:19:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

91:25:5f:12:d6:d2:81:ea:c9:d1:46:3d:18:d3:67:4d:0f:cb:

0b:9c:23:28:f3:e1:f1:8e:f8:4d:f7:e8:0e:3d:d0:73:68:c0:

45:a3:0e:39:83:7a:93:5e:47:6d:4b:36:e4:3b:aa:fa:5f:4d:

ce:79:44:a4:b2:73:a4:88:95:c7:49:db:62:6b:2e:ee:9e:3d:

4c:ae:c7:71:25:e7:92:f3:22:38:c7:e5:98:13:ae:2f:e7:7b:

65:1a:2d:2f:82:ee:75:2e:13:4c:3b:1c:96:d0:25:c3:77:76:

8d:51:d9:d6:95:30:b2:4d:66:8a:1e:e8:84:fe:1c:17:c3:ce:

e8:4a:83:ac:f4:0c:c2:94:9f:48:c2:71:93:12:8e:71:5c:9a:

1a:53:6e:47:2c:23:33:a2:f1:45:ce:5e:30:4b:33:df:de:d2:

3b:f8:f9:e2:f5:dc:e0:5a:4b:4a:72:ad:64:0d:ff:64:c5:61:

e9:21:63:37:88:41:43:70:e4:11:dd:f9:35:82:6e:30:f9:b8:

b9:af:d6:fb:30:bf:0a:42:c0:c0:a6:88:2b:8f:c4:8d:71:d2:

54:c2:70:4c:0c:cf:29:2b:fe:a4:2b:f2:28:fc:32:8a:1d:75:

c1:dc:a8:f7:c6:1b:22:a6:17:55:9a:94:06:61:13:c9:25:44:

7a:c6:3c:c7:86:26:2c:4e:b4:af:b5:66:38:76:14:1a:bf:ed:

74:16:c3:bb:a9:1b:c3:51:9e:a1:c6:0c:a0:9e:29:4f:1a:c6:

14:ba:27:7e:e2:22:8d:e4:23:62:20:c6:60:45:7c:c8:08:4f:

1e:b5:27:41:90:d4:22:c4:d9:1d:b3:f0:7c:fa:29:bd:b2:df:

83:55:df:d0:31:74:cb:58:8d:3e:dc:7b:56:16:21:23:7b:a0:

5a:6a:43:d6:5f:d1:44:17:d7:9b:aa:94:96:a1:10:8e:e0:96:

1a:fd:ef:f2:03:f0:2f:e3:a9:91:1f:bc:9e:dd:3f:80:6c:08:

35:1b:fc:58:93:b2:d7:77:07:df:e1:2e:f2:ea:2c:93:3a:ef:

98:9e:99:3e:17:b4:fd:33:29:a6:96:57:9f:53:67:ac:d5:b4:

6d:79:68:c2:aa:8a:84:4f:12:fc:a3:86:9a:54:88:0a:e1:6b:

f3:cc:ab:38:51:6f:7a:d1:e2:88:fb:29:62:5c:f8:a4:51:43:

fd:e3:60:e1:3c:e9:1b:1a:f0:41:eb:f2:01:03:cd:9a:17:82:

33:ae:e1:08:4c:e0:b5:b4:a8:6f:f1:c6:d9:df:5c:64:d1:32:

20:5b:69:8f:7c:08:5e:0b:b4:18:f3:78:aa:3f:fd:9d:27:d6:

0b:87:b1:52:61:a4:5b:ba

Chain depth: 2

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Dec 31 19:00:00 2011 GMT

Not After : Dec 31 19:00:00 2050 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

a6:68:65:cb:c7:3a:28:eb:ef:6e:57:2b:ea:82:25:1d:64:e0:

f6:ca:28:54:0b:b3:17:c1:bb:1d:f4:e5:a6:28:e4:77:1d:94:

9a:de:01:5c:b5:c5:50:ad:ad:3b:d7:92:f6:c6:fe:23:93:78:

4a:cf:69:92:06:8e:ab:a7:ec:3a:76:f2:ff:ce:29:e0:d7:9e:

f3:93:c7:b0:54:43:37:58:b9:10:44:40:9c:d2:23:78:fb:63:

12:53:7f:f1:99:db:d4:9f:68:eb:ee:e5:13:2c:ac:d3:0c:94:

b0:30:c7:5b:3e:ee:b3:6a:b5:fe:5d:5f:e8:92:7c:29:c0:06:

39:ca:cc:1e:46:a2:36:68:d5:c8:1e:1f:d4:4d:05:b8:79:2a:

fc:9b:7a:c4:05:d9:bc:d9:8c:f2:96:a6:2e:b8:13:94:c6:7c:

8e:7c:bc:f3:bd:48:cb:73:a7:86:cd:c6:9e:b5:00:1b:5a:57:

9e:7b:ea:88:7f:af:64:75:7e:c9:e5:0e:c7:dc:10:67:b3:73:

8b:b2:01:0b:2c:7e:41:53:3a:53:94:39:ad:89:9b:3a:c4:a2:

6c:af:fa:c5:ad:64:0b:1f:85:99:f7:ac:74:e9:66:04:03:64:

be:92:4c:88:84:64:bf:88:2c:e8:fc:69:e2:f8:31:a4:d1:ee:

7f:b7:56:35:c0:ed:42:0e:9e:b5:e2:51:14:32:79:98:22:39:

27:da:6f:b1:17:0d:e0:0b:90:fd:cf:24:43:8e:9f:76:63:44:

b2:a9:65:d2:32:e6:e8:49:49:cb:37:be:35:56:e0:d7:91:5d:

5b:40:ae:b3:08:81:1c:63:6e:fb:48:dd:e3:87:48:96:fb:83:

95:17:9b:04:d6:84:77:04:3c:a2:7e:c8:bd:9c:f3:a7:3c:07:

1d:9b:da:e6:29:d7:2b:82:6d:84:22:b7:d4:03:26:fd:af:45:

71:c9:53:19:6d:8f:42:1b:83:cf:91:7e:cb:c9:04:6a:9d:75:

26:5c:a6:05:a7:93:d3:41:3f:b2:0b:fe:da:53:d3:60:e6:a2:

2f:f1:59:6c:10:da:61:0c:69:6d:a0:d0:3a:fe:4f:5f:a0:78:

8d:01:5a:85:07:f8:30:52:e7:dc:58:bb:f1:6b:cb:77:4b:67:

dc:76:22:71:e0:6d:cf:f4:ac:ce:99:8e:b7:ba:42:cc:77:5c:

1f:51:68:9d:d8:21:b1:8a:ea:a9:65:f9:45:fe:11:7a:0b:67:

bc:a9:40:2e:e8:32:79:6e:f8:da:71:d0:ad:60:c7:10:b2:14:

69:9d:55:fa:f3:85:49:76:d7:89:4b:11:70:a8:c7:8c:59:69:

98:51:c5:a1:96:e3:75:7f

Chain depth: 3

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2011 GMT

Not After : Jan 1 00:00:00 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

45:bb:c5:a1:ad:ee:ae:9b:dd:e3:e2:43:0b:cb:d9:43:e1:04:

fb:d3:96:1d:0b:41:01:94:a9:42:27:41:55:46:78:0e:41:6a:

4a:1a:d5:95:37:da:e7:e2:83:b0:b4:44:a0:6b:d4:a8:65:25:

6b:c5:fd:f4:ae:62:e1:64:42:e7:fb:50:b7:0f:31:39:a6:09:

08:25:83:d2:66:9e:82:3a:6a:37:d5:ff:25:17:85:42:ec:96:

4f:26:1c:af:49:f0:d7:c5:58:c4:5a:79:91:70:56:64:4a:87:

e0:0e:64:56:b8:d4:91:1e:e1:9e:53:92:73:94:aa:c5:c2:32:

33:04

Chain depth: 4

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: client1-depth8-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 13141073029690217852 (0xb65e784bce26d57c)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Validity

Not Before: Jan 16 19:45:10 2017 GMT

Not After : Dec 23 19:45:10 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-depth8

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a9:9b:64:b0:d5:85:80:fb:54:8a:74:78:5e:88:

dc:54:7a:9a:a5:7a:32:68:c4:11:09:aa:d7:41:e0:

f9:15:16:24:9d:bf:78:40:f4:26:20:88:43:08:4f:

d3:2f:d9:e5:2b:c0:e8:f0:79:68:2f:d2:c5:fb:51:

c3:22:71:86:5e:a7:17:e3:e2:c9:6a:2e:81:28:ba:

dc:6d:ad:f6:ea:4d:53:36:d5:6d:11:90:e5:b7:64:

6e:17:62:01:87:f5:ea:43:94:44:34:63:a6:b2:2a:

8d:25:76:51:d9:aa:15:67:02:ac:65:43:35:b4:4d:

97:e2:49:43:76:01:0c:57:36:4e:de:81:2e:cc:1d:

e7:58:03:20:af:b0:7d:cc:65:5d:2c:79:ed:58:96:

e4:a7:38:73:7e:af:0b:81:a3:de:7c:72:18:97:be:

34:c3:bc:1c:07:92:2f:f2:a1:1f:14:cd:a6:7f:31:

2f:89:5a:6d:df:19:15:ca:fa:06:b0:46:9b:db:91:

ab:39:0a:30:4a:bb:9c:71:d0:4d:01:ae:84:5b:b4:

a8:5b:c7:1c:b2:f2:e3:7f:f5:a1:ca:5c:f5:9e:a4:

21:e4:5e:b0:cc:db:20:f9:45:92:f3:c5:a2:2e:a9:

69:b7:72:da:27:65:6f:60:83:fa:83:6c:56:65:7a:

94:79

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

42:DF:53:C0:7E:D7:57:5C:62:05:7E:63:3D:6D:61:85:49:D5:72:1E

X509v3 Authority Key Identifier:

keyid:75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL7\_CA

serial:F0:F9:23:55:57:E7:F3:56

Signature Algorithm: sha1WithRSAEncryption

06:fe:a1:04:c8:43:73:09:4d:43:8f:41:29:da:38:41:62:78:

32:f6:a9:eb:a9:3f:0e:32:71:ca:41:a7:5a:ea:82:f1:77:60:

cb:a8:7c:b9:1c:44:f6:b2:2e:12:2d:ac:ca:0c:ce:98:6f:2b:

5f:1c:2c:7f:8d:d4:8a:35:5f:ef:20:e3:9b:fb:99:81:92:bb:

55:dc:ba:a9:f5:4c:49:45:29:2d:0c:47:d7:8b:c6:8c:de:12:

d4:53:e1:ec:f4:dd:37:1b:84:18:74:1f:19:aa:2e:6c:df:f8:

bb:6c:52:98:d7:bc:35:44:1c:3d:ad:17:05:e9:b2:9d:fc:ee:

b1:5b:3f:c0:a4:e5:07:dd:a0:d1:b3:41:7b:38:a3:d0:2f:3e:

71:d6:74:9a:fa:ae:8e:78:d3:73:24:1a:8e:62:a2:23:38:f3:

d8:0d:9b:b8:67:61:61:1f:40:60:e5:94:dc:47:e3:b0:7c:d7:

10:87:6d:df:29:a0:7c:6c:64:4c:d8:fe:d5:c1:d5:e8:8d:61:

88:2b:b7:06:e3:ab:78:20:88:56:62:2d:7d:f7:3f:79:54:2c:

5e:81:2b:93:93:1d:5d:13:e6:72:b0:19:ea:f8:03:43:05:01:

15:6f:03:b1:48:19:9b:56:02:f4:c2:fe:fb:73:25:1a:65:5e:

74:3c:3b:dd

Filename: client1-depth8-rsa.key

Certificate: No

Private Key: Yes

Private Key Password: No

Filename: client1-depth8-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 13141073029690217852 (0xb65e784bce26d57c)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Validity

Not Before: Jan 16 19:45:10 2017 GMT

Not After : Dec 23 19:45:10 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-depth8

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a9:9b:64:b0:d5:85:80:fb:54:8a:74:78:5e:88:

dc:54:7a:9a:a5:7a:32:68:c4:11:09:aa:d7:41:e0:

f9:15:16:24:9d:bf:78:40:f4:26:20:88:43:08:4f:

d3:2f:d9:e5:2b:c0:e8:f0:79:68:2f:d2:c5:fb:51:

c3:22:71:86:5e:a7:17:e3:e2:c9:6a:2e:81:28:ba:

dc:6d:ad:f6:ea:4d:53:36:d5:6d:11:90:e5:b7:64:

6e:17:62:01:87:f5:ea:43:94:44:34:63:a6:b2:2a:

8d:25:76:51:d9:aa:15:67:02:ac:65:43:35:b4:4d:

97:e2:49:43:76:01:0c:57:36:4e:de:81:2e:cc:1d:

e7:58:03:20:af:b0:7d:cc:65:5d:2c:79:ed:58:96:

e4:a7:38:73:7e:af:0b:81:a3:de:7c:72:18:97:be:

34:c3:bc:1c:07:92:2f:f2:a1:1f:14:cd:a6:7f:31:

2f:89:5a:6d:df:19:15:ca:fa:06:b0:46:9b:db:91:

ab:39:0a:30:4a:bb:9c:71:d0:4d:01:ae:84:5b:b4:

a8:5b:c7:1c:b2:f2:e3:7f:f5:a1:ca:5c:f5:9e:a4:

21:e4:5e:b0:cc:db:20:f9:45:92:f3:c5:a2:2e:a9:

69:b7:72:da:27:65:6f:60:83:fa:83:6c:56:65:7a:

94:79

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

42:DF:53:C0:7E:D7:57:5C:62:05:7E:63:3D:6D:61:85:49:D5:72:1E

X509v3 Authority Key Identifier:

keyid:75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL7\_CA

serial:F0:F9:23:55:57:E7:F3:56

Signature Algorithm: sha1WithRSAEncryption

06:fe:a1:04:c8:43:73:09:4d:43:8f:41:29:da:38:41:62:78:

32:f6:a9:eb:a9:3f:0e:32:71:ca:41:a7:5a:ea:82:f1:77:60:

cb:a8:7c:b9:1c:44:f6:b2:2e:12:2d:ac:ca:0c:ce:98:6f:2b:

5f:1c:2c:7f:8d:d4:8a:35:5f:ef:20:e3:9b:fb:99:81:92:bb:

55:dc:ba:a9:f5:4c:49:45:29:2d:0c:47:d7:8b:c6:8c:de:12:

d4:53:e1:ec:f4:dd:37:1b:84:18:74:1f:19:aa:2e:6c:df:f8:

bb:6c:52:98:d7:bc:35:44:1c:3d:ad:17:05:e9:b2:9d:fc:ee:

b1:5b:3f:c0:a4:e5:07:dd:a0:d1:b3:41:7b:38:a3:d0:2f:3e:

71:d6:74:9a:fa:ae:8e:78:d3:73:24:1a:8e:62:a2:23:38:f3:

d8:0d:9b:b8:67:61:61:1f:40:60:e5:94:dc:47:e3:b0:7c:d7:

10:87:6d:df:29:a0:7c:6c:64:4c:d8:fe:d5:c1:d5:e8:8d:61:

88:2b:b7:06:e3:ab:78:20:88:56:62:2d:7d:f7:3f:79:54:2c:

5e:81:2b:93:93:1d:5d:13:e6:72:b0:19:ea:f8:03:43:05:01:

15:6f:03:b1:48:19:9b:56:02:f4:c2:fe:fb:73:25:1a:65:5e:

74:3c:3b:dd

Chain depth: 1

Version: 3 (0x2)

Serial Number: 17363948687757669206 (0xf0f9235557e7f356)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL7\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:dd:41:f7:d4:5b:52:24:03:12:49:75:50:17:6e:

8c:99:00:2a:b6:97:39:d6:44:69:fc:19:08:dc:1f:

22:6b:cd:57:3c:19:1a:c8:d8:96:09:7f:1d:10:7f:

4e:92:27:30:35:78:76:03:e5:d7:0f:2b:4c:b4:25:

fc:5d:4b:a7:be:ee:8e:73:75:96:76:b2:ef:66:8b:

cb:52:68:47:8d:f8:a4:49:f3:a0:1a:92:18:2c:b3:

8f:fb:a4:9e:9e:34:1d:b5:fe:fd:83:03:d2:12:03:

1d:2a:86:ff:62:e8:1f:aa:4a:cf:61:4c:d2:7d:77:

a8:ba:3d:ee:ee:4c:5c:bc:2e:35:08:1b:4c:61:e4:

70:49:d0:40:d4:49:80:12:e2:e5:6b:c6:52:a4:20:

15:3c:d0:52:e3:e5:03:f7:e7:c5:c5:01:ca:9a:93:

79:57:45:37:ed:c0:bf:12:e5:dc:ea:4b:3e:63:82:

d4:39:5a:d5:8e:0c:4f:8e:02:07:be:f9:79:93:18:

07:bb:71:7f:d8:4e:9e:25:3a:dc:ed:99:10:b5:35:

40:e4:d6:60:9c:66:d0:1a:b0:7a:37:04:23:b1:3e:

9f:cd:d0:72:9f:25:49:86:67:d7:cb:bb:d5:f6:62:

d7:f1:63:19:e7:b1:7b:2d:dd:09:f0:44:96:f8:c5:

20:a7

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

X509v3 Authority Key Identifier:

keyid:DF:0B:8E:DF:FE:4D:E8:CF:DA:15:56:6A:1B:B5:54:83:46:DD:85:34

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL6\_CA

serial:83:21:68:7C:1C:D9:70:DE

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

41:0e:e2:c0:f9:c1:31:69:68:a7:d0:d1:ab:9e:21:7a:61:a0:

f1:e7:b4:c9:cb:2b:eb:92:a9:f4:75:1e:e5:7a:19:6e:69:28:

42:e8:a8:79:19:7a:6b:3a:37:74:4a:56:38:d7:ce:d6:53:8c:

ba:95:14:29:bb:87:2a:37:93:4b:ce:ad:84:c9:53:83:21:a2:

7a:40:f5:dd:4c:76:77:9e:6b:e9:34:8e:e8:f4:74:d3:88:a1:

d2:70:c2:4a:d3:74:bd:ce:70:1b:25:50:48:97:e0:aa:04:b8:

8f:5a:06:29:e2:4d:34:19:68:5d:2c:54:6b:65:12:17:62:a2:

30:e0:27:a0:43:ee:1e:0a:9a:98:28:4b:0e:4c:5b:5f:87:84:

ce:7d:2c:f4:d2:c8:74:9a:08:6a:75:fc:22:20:d4:99:ff:d1:

6e:96:92:83:9b:a1:ae:be:88:3b:dd:8f:7f:16:bc:3c:c7:fd:

80:20:6a:da:51:81:b1:20:98:5d:bc:64:ce:45:c6:8d:1d:67:

df:92:16:39:51:f8:f3:ac:78:c5:32:f1:63:ed:28:86:ff:3c:

a3:81:6b:66:0b:46:07:f5:1e:e2:df:31:46:2e:e4:2e:73:02:

7c:51:ce:4b:22:5b:63:d6:9b:ba:5a:b5:e0:4d:69:7f:45:4f:

55:b5:db:e7

Chain depth: 2

Version: 3 (0x2)

Serial Number: 9448948375469256926 (0x8321687c1cd970de)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL6\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL7\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:cc:cc:c0:ee:cd:d3:5d:b9:33:7f:16:a6:c0:26:

c1:de:d6:5b:b7:7e:da:8b:a9:8c:b5:de:14:37:b6:

b8:95:4d:39:05:ff:58:ae:48:3c:64:35:ab:99:7c:

fd:cc:9c:1b:78:c9:59:49:73:5e:f8:82:1f:2b:63:

a3:6f:a2:98:15:63:c1:b2:f4:a6:91:ab:04:74:9f:

f5:72:9d:41:e3:ca:2a:ac:f1:18:fa:42:66:e1:bb:

7e:56:ae:0b:9a:69:47:20:77:e8:5f:a9:2f:d4:2b:

b5:4b:8f:6c:7f:d3:e2:4a:d9:2c:47:2b:b7:f2:8f:

62:d0:fe:7c:fe:d5:31:8f:93:2f:a8:82:37:31:07:

df:ea:47:72:f4:c2:29:1d:6c:ed:f6:02:04:bf:ba:

50:17:6c:74:a4:bd:90:5b:97:3e:a1:59:cc:af:89:

09:37:8b:b4:27:a6:63:df:46:14:24:b5:f4:c3:bf:

8c:29:42:93:a9:90:13:46:5c:2b:3b:42:42:39:59:

4c:e5:6c:1d:7f:98:67:22:39:6d:33:b9:77:be:8e:

32:8a:82:33:26:af:ed:8f:dc:63:6e:2c:b7:b1:cd:

2d:cf:84:5c:8b:0a:2b:c0:9e:dd:e4:b7:d2:28:d0:

07:2d:00:23:e0:64:f7:ed:dc:d1:71:1e:e8:78:bd:

98:03

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:0B:8E:DF:FE:4D:E8:CF:DA:15:56:6A:1B:B5:54:83:46:DD:85:34

X509v3 Authority Key Identifier:

keyid:EE:25:A9:06:5C:D4:32:7E:F1:A9:F7:F4:78:0E:BF:A9:5E:73:F6:D1

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL5\_CA

serial:D7:4C:B5:09:61:29:81:D3

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

9a:3c:a0:26:1c:9d:c6:21:3c:b2:47:26:8e:b9:04:5d:6e:09:

23:60:31:81:05:be:8b:1a:8c:b0:0e:49:16:bc:e8:8b:78:b3:

fc:15:bf:83:fa:69:a7:49:bb:52:c0:47:9e:ff:b0:03:af:3f:

cb:8e:02:1d:02:a2:fa:7e:a0:07:34:8a:0e:db:d9:bd:f8:ef:

8f:2b:c6:6c:06:ca:d9:50:c5:35:ba:3a:f0:8a:56:06:6d:df:

c5:a6:ac:54:63:8e:2e:55:b1:99:ab:8b:8c:55:00:9c:64:21:

7b:cd:0a:09:8a:da:82:b0:38:5e:b5:a3:94:d8:8c:2a:d4:cf:

e8:95:10:c6:95:33:77:7e:2f:00:5e:e4:c1:c9:0e:fd:1e:10:

ae:d2:cc:19:9d:cd:61:24:7d:07:8c:b1:ac:3e:94:f6:84:5d:

7a:17:3b:ab:f2:3f:4e:82:33:e7:d8:12:6d:8b:96:bf:2b:0c:

74:ab:70:02:0e:e4:5c:7c:1d:e9:89:1b:a4:ab:3c:5a:b4:27:

f2:63:55:67:e5:61:02:fb:4a:4c:54:58:7e:0d:88:4c:24:f9:

a3:ab:5c:ba:ce:5d:ae:c9:16:20:62:e7:96:8c:c2:9d:ac:33:

36:fd:60:07:02:d8:86:17:19:80:f8:6d:58:57:19:ab:27:85:

2a:d5:2e:f7

Chain depth: 3

Version: 3 (0x2)

Serial Number: 15513973868273959379 (0xd74cb509612981d3)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL5\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL6\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:c8:dd:c2:e8:69:d9:de:4d:bf:52:dd:a7:49:ef:

29:7d:6a:64:70:34:34:98:fa:3c:ff:24:89:b7:da:

db:6e:40:17:5d:47:6d:23:8a:c5:b3:a8:85:6a:df:

28:2c:a2:49:0f:58:2a:00:53:46:23:a7:47:9b:0a:

73:bd:b8:3d:81:b8:14:37:0d:67:e3:9e:8b:34:4c:

c3:d9:4c:38:aa:c0:5d:41:10:79:78:5a:ab:7c:68:

ae:ae:47:86:f8:e7:5d:68:65:ab:d8:fa:5b:36:be:

a0:ec:4c:44:b6:4f:b9:1e:06:15:b9:a4:1c:d5:3d:

2a:98:2e:e0:5c:c5:60:49:b9:06:84:f5:65:ae:f4:

eb:e6:40:72:fc:e6:e3:1f:97:bc:b4:d3:5f:c3:8e:

3b:9e:5e:38:0d:f9:43:1e:41:08:4f:35:74:91:d2:

79:ab:44:7c:bd:b8:c2:60:d9:7b:8b:02:08:c2:f9:

a3:a9:f9:87:cb:d4:9f:7a:e6:b5:a3:fa:19:d4:1d:

3c:45:27:60:79:f2:cb:b7:c4:ef:ad:7a:76:e9:46:

b1:fa:e3:04:ed:49:19:43:50:25:1f:14:ce:ec:55:

c3:db:db:1c:bf:cc:b1:3e:ea:d4:0d:13:86:f4:55:

b3:74:76:c2:18:ed:08:b3:e6:62:2d:1e:00:7d:8f:

aa:55

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

EE:25:A9:06:5C:D4:32:7E:F1:A9:F7:F4:78:0E:BF:A9:5E:73:F6:D1

X509v3 Authority Key Identifier:

keyid:F4:21:30:AD:06:77:6E:E3:42:CF:13:B5:EE:1A:1A:90:D7:9E:47:E0

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL4\_CA

serial:C5:39:F2:B3:D1:C1:94:FE

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

19:63:c5:87:11:da:5a:c4:20:40:9e:ad:ec:db:3f:04:71:c1:

6f:12:79:cd:bc:aa:bb:64:b9:ac:78:27:b1:03:42:e8:66:55:

b3:63:a6:df:40:a9:02:8c:59:48:4c:1e:8b:dd:da:38:fb:f2:

69:98:b1:96:e6:40:9f:ba:97:c1:16:4a:2f:53:48:ee:f0:74:

61:86:1a:83:5f:4b:20:9e:31:91:97:3a:9d:a6:6c:9a:ff:6b:

e5:50:89:a0:68:51:4e:81:8c:22:3e:af:67:91:44:41:9e:6e:

52:3d:fb:31:82:6d:e3:4d:a3:af:4d:e4:d2:c8:a6:b1:30:cc:

87:a0:f8:7b:5a:60:50:ab:43:27:88:be:5a:c7:ba:f6:e9:89:

e3:27:46:ed:ea:0b:1f:ec:7f:e9:15:e2:e9:4d:71:22:ee:72:

d3:5e:b2:6a:22:9c:3f:18:e2:80:d3:9d:62:48:b2:9e:ab:8e:

24:e2:cc:39:ac:69:61:94:f5:c2:95:69:46:83:d0:bf:ee:40:

df:dc:62:07:60:ad:72:5f:30:40:b5:2c:b6:e9:54:b9:e7:bd:

0f:e4:de:08:d8:a1:16:09:62:96:6c:db:46:eb:d2:04:df:85:

13:25:34:38:22:38:9b:3f:14:fe:69:29:3c:f8:5b:1f:d0:30:

76:36:6e:f9

Chain depth: 4

Version: 3 (0x2)

Serial Number: 14211656953276503294 (0xc539f2b3d1c194fe)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Validity

Not Before: Jan 16 12:37:57 2017 GMT

Not After : Dec 23 12:37:57 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL5\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a9:15:4b:14:a7:c3:32:4d:37:c7:5f:30:d1:78:

90:62:b4:4e:62:f1:58:33:92:17:b6:e5:50:60:99:

53:d3:10:fe:f2:f5:aa:c9:24:3b:15:27:c9:05:64:

eb:40:46:b2:49:9d:9a:83:0d:26:e1:be:d2:ca:8d:

c7:0f:44:f1:f5:14:eb:ca:07:c4:36:d8:9a:fb:c4:

ac:0f:0f:ea:75:7a:a0:da:10:09:43:13:f7:5c:d9:

c3:71:60:16:53:87:0a:7a:dc:16:0f:40:b4:0c:e4:

de:9b:15:b4:53:dd:57:d7:6f:ea:b6:dc:93:f5:80:

d9:b7:97:61:04:57:05:e9:ff:62:89:e9:c2:e6:a5:

5f:4f:ac:64:35:06:8b:27:c1:29:73:04:b5:98:da:

39:83:88:a5:15:36:5d:2f:2d:d4:52:c5:71:e9:fd:

57:95:4f:26:aa:5a:0a:4b:4c:c9:e4:6f:ad:ca:56:

1c:5c:9a:22:d1:b8:b4:16:0f:16:25:86:cc:c9:5c:

60:eb:4b:72:42:61:00:c4:6e:4d:c6:c7:e8:4b:ad:

78:82:01:c5:90:12:65:ce:d0:26:59:c8:ff:cf:0d:

01:d9:84:73:7a:04:38:86:72:1b:57:e0:a3:d5:d0:

7c:ff:9b:a9:43:f8:81:ed:41:9d:d6:d5:1e:0a:7f:

2f:49

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

F4:21:30:AD:06:77:6E:E3:42:CF:13:B5:EE:1A:1A:90:D7:9E:47:E0

X509v3 Authority Key Identifier:

keyid:D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL3\_CA

serial:BF:DC:57:59:7D:1A:09:5E

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

39:13:6b:dd:b9:ea:c1:76:77:e9:90:27:11:ba:78:70:60:24:

b0:d4:8a:f8:d8:f0:bf:43:a6:a3:ac:4f:06:e4:b0:95:7a:b1:

b2:03:1a:f5:33:18:46:79:cd:4c:70:00:dd:ee:4a:c9:e5:e2:

64:78:36:b8:ab:88:14:72:d5:2b:2d:8b:0e:18:0e:f0:89:0a:

d0:e4:7b:86:b8:ce:63:d1:72:63:06:2c:1a:9e:a0:65:b3:bf:

f9:d8:2e:e3:4d:60:14:fa:8f:a2:6e:07:c5:c5:42:e6:40:f6:

f3:7d:5c:48:92:7d:5e:9d:cf:b8:bb:75:c2:79:80:83:e3:40:

77:79:ea:90:74:3a:87:a4:e9:b6:fa:70:f2:9b:1e:f3:2b:36:

c9:e3:9f:ec:e8:e1:40:b0:1d:91:94:1d:17:46:df:da:8d:63:

c3:52:89:f6:53:2b:bb:ce:25:23:81:69:95:33:e8:f3:80:b9:

0a:2c:41:9c:64:1a:70:52:57:72:de:da:74:b7:80:50:7b:9d:

ff:69:04:1d:04:49:2e:84:9b:04:bd:96:00:20:b8:b7:ef:de:

33:70:03:82:e6:dc:0c:8f:a8:b2:62:3e:65:04:05:82:11:7f:

e7:16:d7:34:e8:52:4b:4e:29:ff:22:2d:38:ed:0a:94:09:b6:

93:4d:18:38:43:35:c7:b0:d0:cf:96:82:71:6d:a9:31:68:69:

69:06:fd:42:00:94:f8:3c:45:73:9d:9d:cb:65:5e:24:50:e8:

5f:51:e2:7c:ce:65:68:a5:24:24:d6:87:7d:b4:b8:df:55:9f:

df:b6:86:e5:58:9a:67:06:72:87:fa:e7:b3:51:f3:b6:4c:be:

bd:85:10:65:a2:c6:5d:6f:7b:63:dd:61:56:2f:2d:5b:58:37:

9e:31:e0:5e:42:02:8e:a5:a3:eb:01:0f:24:94:96:fa:dc:f7:

ab:78:db:a2:59:08:15:0d:e3:c4:8b:38:1e:3e:09:56:fc:01:

16:43:db:40:db:e4:81:9a:fa:0f:c5:bb:0b:63:11:fd:54:6c:

d0:f6:e1:a6:8d:20:52:f3:53:7d:7c:23:84:2b:cf:62:7d:9a:

01:f6:07:ca:e9:5e:6e:74:0e:7a:cf:83:fe:da:49:00:80:87:

a0:67:d6:92:c2:84:e0:75:21:c3:fe:ee:f8:84:ba:80:eb:31:

da:78:99:99:28:c6:48:87:cd:d6:63:9b:99:6d:4e:f3:bb:0e:

a7:76:93:b4:14:f1:db:89:13:89:50:11:f4:6d:9e:3a:4f:b0:

dd:b7:cf:d4:60:86:49:9c:ad:5f:cd:85:00:ef:fe:d5:1b:26:

fb:28:ae:ac:2c:9c:d3:2a

Chain depth: 5

Version: 3 (0x2)

Serial Number: 13825020997983144286 (0xbfdc57597d1a095e)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 13 19:41:15 2017 GMT

Not After : Jan 11 19:41:15 2027 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ec:42:83:6c:3a:81:23:fe:e5:83:1b:e8:b9:63:

ac:d0:33:ab:b8:fa:c6:d9:e8:93:48:3c:2f:79:ef:

fc:93:c7:47:97:a8:e3:e0:dd:05:4c:e9:44:ff:6d:

4e:c2:e7:79:e8:c1:3d:22:1a:d8:91:89:9a:86:51:

fb:46:1f:bb:0b:ea:7f:bd:3d:03:ac:60:de:ec:b8:

80:bc:d7:71:47:4d:15:43:d1:1d:05:09:22:bd:35:

10:03:09:c1:b0:2d:0d:66:f7:29:63:d6:1d:6c:4a:

7c:fe:68:0d:52:22:21:e5:0c:14:5f:47:c6:a5:d6:

e6:1f:5e:45:e6:b8:0c:b7:48:fc:e1:db:43:c5:59:

51:8a:0d:9b:16:1c:30:4e:1b:47:3f:91:ca:43:b6:

20:0e:98:34:97:cd:cc:6a:48:fd:ac:d5:9d:08:f7:

c8:fb:6b:d9:a4:8d:3f:50:25:7f:01:f2:5e:48:36:

bc:87:60:8b:55:2b:18:1e:0c:f9:d6:65:91:94:fb:

61:14:b9:1e:0e:14:99:7a:33:c1:f9:84:c4:d4:46:

f7:a6:d7:51:a9:26:09:a3:9f:32:7e:58:f3:28:0f:

47:68:57:c4:95:99:a2:20:7e:df:ff:f3:94:2d:6c:

92:90:90:9b:46:b2:c8:bf:5e:94:94:3c:76:f7:82:

41:3b:1d:85:a2:f9:95:35:47:2f:f5:58:26:2c:a3:

bc:6f:47:a5:0a:cc:af:23:0f:aa:f4:91:72:ff:5a:

41:5d:f6:1e:e6:5d:37:68:5b:21:5d:ae:c9:ac:5f:

bb:3e:4e:9c:fb:1c:3d:af:23:2f:35:09:96:71:ed:

f8:1d:d5:19:7d:53:8f:b8:e5:74:76:80:c9:ad:89:

e6:ef:79:0e:3d:e4:ae:45:fb:d7:22:26:db:73:b1:

19:57:1f:68:fe:c9:8b:41:88:7d:7c:da:33:3a:68:

eb:b1:ee:d9:d7:6c:06:e9:8a:9e:d9:03:46:19:e5:

c3:90:c2:8d:2e:8c:e8:89:c0:81:b4:4e:18:71:18:

39:4a:33:49:5e:06:c3:ea:47:e6:03:f9:65:34:2c:

81:b3:e7:02:94:8a:50:81:9e:8f:4e:d0:24:34:7e:

2c:b6:66:f8:a5:f5:f1:50:3b:95:f0:f0:9c:a2:14:

94:73:b7:15:0a:a0:25:39:85:67:fe:f6:3f:c0:81:

dd:47:07:6c:d2:4e:be:db:78:d2:ba:ff:67:1a:5a:

11:5a:95:b1:7b:9c:38:a9:f5:26:d6:d1:30:70:2e:

13:97:e5:6d:85:7a:b3:94:67:8d:11:58:ac:0e:25:

0d:5a:ff:c8:c2:95:23:9d:ef:08:21:18:dc:c5:18:

d2:19:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

91:25:5f:12:d6:d2:81:ea:c9:d1:46:3d:18:d3:67:4d:0f:cb:

0b:9c:23:28:f3:e1:f1:8e:f8:4d:f7:e8:0e:3d:d0:73:68:c0:

45:a3:0e:39:83:7a:93:5e:47:6d:4b:36:e4:3b:aa:fa:5f:4d:

ce:79:44:a4:b2:73:a4:88:95:c7:49:db:62:6b:2e:ee:9e:3d:

4c:ae:c7:71:25:e7:92:f3:22:38:c7:e5:98:13:ae:2f:e7:7b:

65:1a:2d:2f:82:ee:75:2e:13:4c:3b:1c:96:d0:25:c3:77:76:

8d:51:d9:d6:95:30:b2:4d:66:8a:1e:e8:84:fe:1c:17:c3:ce:

e8:4a:83:ac:f4:0c:c2:94:9f:48:c2:71:93:12:8e:71:5c:9a:

1a:53:6e:47:2c:23:33:a2:f1:45:ce:5e:30:4b:33:df:de:d2:

3b:f8:f9:e2:f5:dc:e0:5a:4b:4a:72:ad:64:0d:ff:64:c5:61:

e9:21:63:37:88:41:43:70:e4:11:dd:f9:35:82:6e:30:f9:b8:

b9:af:d6:fb:30:bf:0a:42:c0:c0:a6:88:2b:8f:c4:8d:71:d2:

54:c2:70:4c:0c:cf:29:2b:fe:a4:2b:f2:28:fc:32:8a:1d:75:

c1:dc:a8:f7:c6:1b:22:a6:17:55:9a:94:06:61:13:c9:25:44:

7a:c6:3c:c7:86:26:2c:4e:b4:af:b5:66:38:76:14:1a:bf:ed:

74:16:c3:bb:a9:1b:c3:51:9e:a1:c6:0c:a0:9e:29:4f:1a:c6:

14:ba:27:7e:e2:22:8d:e4:23:62:20:c6:60:45:7c:c8:08:4f:

1e:b5:27:41:90:d4:22:c4:d9:1d:b3:f0:7c:fa:29:bd:b2:df:

83:55:df:d0:31:74:cb:58:8d:3e:dc:7b:56:16:21:23:7b:a0:

5a:6a:43:d6:5f:d1:44:17:d7:9b:aa:94:96:a1:10:8e:e0:96:

1a:fd:ef:f2:03:f0:2f:e3:a9:91:1f:bc:9e:dd:3f:80:6c:08:

35:1b:fc:58:93:b2:d7:77:07:df:e1:2e:f2:ea:2c:93:3a:ef:

98:9e:99:3e:17:b4:fd:33:29:a6:96:57:9f:53:67:ac:d5:b4:

6d:79:68:c2:aa:8a:84:4f:12:fc:a3:86:9a:54:88:0a:e1:6b:

f3:cc:ab:38:51:6f:7a:d1:e2:88:fb:29:62:5c:f8:a4:51:43:

fd:e3:60:e1:3c:e9:1b:1a:f0:41:eb:f2:01:03:cd:9a:17:82:

33:ae:e1:08:4c:e0:b5:b4:a8:6f:f1:c6:d9:df:5c:64:d1:32:

20:5b:69:8f:7c:08:5e:0b:b4:18:f3:78:aa:3f:fd:9d:27:d6:

0b:87:b1:52:61:a4:5b:ba

Chain depth: 6

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Dec 31 19:00:00 2011 GMT

Not After : Dec 31 19:00:00 2050 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

a6:68:65:cb:c7:3a:28:eb:ef:6e:57:2b:ea:82:25:1d:64:e0:

f6:ca:28:54:0b:b3:17:c1:bb:1d:f4:e5:a6:28:e4:77:1d:94:

9a:de:01:5c:b5:c5:50:ad:ad:3b:d7:92:f6:c6:fe:23:93:78:

4a:cf:69:92:06:8e:ab:a7:ec:3a:76:f2:ff:ce:29:e0:d7:9e:

f3:93:c7:b0:54:43:37:58:b9:10:44:40:9c:d2:23:78:fb:63:

12:53:7f:f1:99:db:d4:9f:68:eb:ee:e5:13:2c:ac:d3:0c:94:

b0:30:c7:5b:3e:ee:b3:6a:b5:fe:5d:5f:e8:92:7c:29:c0:06:

39:ca:cc:1e:46:a2:36:68:d5:c8:1e:1f:d4:4d:05:b8:79:2a:

fc:9b:7a:c4:05:d9:bc:d9:8c:f2:96:a6:2e:b8:13:94:c6:7c:

8e:7c:bc:f3:bd:48:cb:73:a7:86:cd:c6:9e:b5:00:1b:5a:57:

9e:7b:ea:88:7f:af:64:75:7e:c9:e5:0e:c7:dc:10:67:b3:73:

8b:b2:01:0b:2c:7e:41:53:3a:53:94:39:ad:89:9b:3a:c4:a2:

6c:af:fa:c5:ad:64:0b:1f:85:99:f7:ac:74:e9:66:04:03:64:

be:92:4c:88:84:64:bf:88:2c:e8:fc:69:e2:f8:31:a4:d1:ee:

7f:b7:56:35:c0:ed:42:0e:9e:b5:e2:51:14:32:79:98:22:39:

27:da:6f:b1:17:0d:e0:0b:90:fd:cf:24:43:8e:9f:76:63:44:

b2:a9:65:d2:32:e6:e8:49:49:cb:37:be:35:56:e0:d7:91:5d:

5b:40:ae:b3:08:81:1c:63:6e:fb:48:dd:e3:87:48:96:fb:83:

95:17:9b:04:d6:84:77:04:3c:a2:7e:c8:bd:9c:f3:a7:3c:07:

1d:9b:da:e6:29:d7:2b:82:6d:84:22:b7:d4:03:26:fd:af:45:

71:c9:53:19:6d:8f:42:1b:83:cf:91:7e:cb:c9:04:6a:9d:75:

26:5c:a6:05:a7:93:d3:41:3f:b2:0b:fe:da:53:d3:60:e6:a2:

2f:f1:59:6c:10:da:61:0c:69:6d:a0:d0:3a:fe:4f:5f:a0:78:

8d:01:5a:85:07:f8:30:52:e7:dc:58:bb:f1:6b:cb:77:4b:67:

dc:76:22:71:e0:6d:cf:f4:ac:ce:99:8e:b7:ba:42:cc:77:5c:

1f:51:68:9d:d8:21:b1:8a:ea:a9:65:f9:45:fe:11:7a:0b:67:

bc:a9:40:2e:e8:32:79:6e:f8:da:71:d0:ad:60:c7:10:b2:14:

69:9d:55:fa:f3:85:49:76:d7:89:4b:11:70:a8:c7:8c:59:69:

98:51:c5:a1:96:e3:75:7f

Chain depth: 7

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2011 GMT

Not After : Jan 1 00:00:00 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

45:bb:c5:a1:ad:ee:ae:9b:dd:e3:e2:43:0b:cb:d9:43:e1:04:

fb:d3:96:1d:0b:41:01:94:a9:42:27:41:55:46:78:0e:41:6a:

4a:1a:d5:95:37:da:e7:e2:83:b0:b4:44:a0:6b:d4:a8:65:25:

6b:c5:fd:f4:ae:62:e1:64:42:e7:fb:50:b7:0f:31:39:a6:09:

08:25:83:d2:66:9e:82:3a:6a:37:d5:ff:25:17:85:42:ec:96:

4f:26:1c:af:49:f0:d7:c5:58:c4:5a:79:91:70:56:64:4a:87:

e0:0e:64:56:b8:d4:91:1e:e1:9e:53:92:73:94:aa:c5:c2:32:

33:04

Chain depth: 8

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: client1-depth9-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 12958910116263616396 (0xb3d74c176c1bdf8c)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL9\_CA

Validity

Not Before: Jan 16 19:45:50 2017 GMT

Not After : Dec 23 19:45:50 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-depth9

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:da:19:2a:f4:a6:46:e0:39:59:11:5c:33:20:2b:

72:45:42:6b:03:46:49:3d:8f:b2:12:b7:cd:da:8d:

b5:ad:8f:ad:ef:34:d9:a0:e5:8e:3f:83:3b:c4:17:

c1:c7:a1:e4:2a:82:d6:da:ae:2b:24:ac:f1:02:38:

07:8e:c3:5a:22:89:4f:34:65:de:55:9a:4c:3d:25:

2d:de:6e:de:cf:f3:6f:98:d9:ec:64:94:66:28:43:

03:62:9e:3e:9d:74:19:4b:ce:b9:03:ca:5b:ee:9f:

96:4d:08:c3:cc:38:b9:3f:93:fd:92:4e:36:a6:d9:

7a:64:a4:e8:32:ef:fe:8f:60:b4:5c:e9:b1:c7:68:

26:cd:88:00:e9:41:af:70:1d:c8:54:6d:c5:33:c0:

34:86:3c:54:58:be:80:22:3d:bf:5d:e6:7d:e4:5d:

06:a7:37:7b:c9:02:52:d6:02:df:cb:0d:62:6f:3b:

d8:d1:78:55:14:df:51:24:ff:9c:41:03:52:d1:a1:

94:3c:38:a2:5a:22:5c:2c:09:1e:59:d4:eb:5f:77:

f1:e9:9d:00:7d:5f:6d:49:e2:c6:65:85:6a:ae:94:

d4:cd:b4:12:af:30:50:54:db:fa:35:20:eb:f4:28:

c2:21:9d:31:2a:86:82:80:ce:c0:b3:85:9e:b7:a5:

39:75

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

44:29:CA:AC:38:31:BC:D6:D4:8C:59:1E:37:6F:29:D8:E9:73:83:B3

X509v3 Authority Key Identifier:

keyid:73:78:EF:00:20:44:54:4D:FE:00:26:FA:24:91:29:D9:A8:02:B7:25

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL8\_CA

serial:B6:5E:78:4B:CE:26:D5:7B

Signature Algorithm: sha1WithRSAEncryption

18:83:ca:c1:6c:a7:f3:3e:50:cd:62:85:fe:83:e5:6b:34:16:

c2:f4:13:e3:66:17:f3:eb:dd:fe:78:78:06:a2:77:11:a0:bf:

a8:6d:a5:53:e4:10:29:dc:3a:62:eb:43:2c:73:a7:dc:e8:1d:

ca:bb:3b:2a:1f:44:a4:8c:ce:f4:d6:be:8e:24:ad:4e:5c:a9:

ac:07:4b:ea:fe:41:49:9b:8b:85:1c:cc:df:f8:88:49:7f:35:

77:28:f0:c8:54:55:14:33:3d:2e:51:3a:9e:e9:64:40:6c:95:

91:74:56:cc:7e:62:4e:0e:fa:70:71:77:38:71:0a:cb:81:12:

c3:ed:17:1d:7a:d8:56:d8:6b:97:e6:a1:71:f6:cb:06:3c:39:

03:a8:c2:3b:2b:52:c6:1f:18:4c:88:48:f7:0f:e8:38:8c:ef:

4b:87:ca:6b:67:79:dc:e4:3b:0e:29:00:fd:fb:e8:ba:14:7d:

55:21:90:65:f2:94:0a:02:d8:12:aa:71:df:86:20:97:ed:e2:

3e:25:27:9f:c8:8f:59:a8:e8:3a:49:a2:5f:e6:f5:65:a4:33:

63:c8:cb:87:1a:f0:e4:66:3c:0b:17:3b:62:f4:f9:bd:04:e6:

ac:bb:66:be:82:27:a4:3f:34:72:b2:3b:88:64:eb:6e:c9:54:

e7:5c:58:fd

Filename: client1-depth9-rsa.key

Certificate: No

Private Key: Yes

Private Key Password: No

Filename: client1-depth9-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 12958910116263616396 (0xb3d74c176c1bdf8c)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL9\_CA

Validity

Not Before: Jan 16 19:45:50 2017 GMT

Not After : Dec 23 19:45:50 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-depth9

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:da:19:2a:f4:a6:46:e0:39:59:11:5c:33:20:2b:

72:45:42:6b:03:46:49:3d:8f:b2:12:b7:cd:da:8d:

b5:ad:8f:ad:ef:34:d9:a0:e5:8e:3f:83:3b:c4:17:

c1:c7:a1:e4:2a:82:d6:da:ae:2b:24:ac:f1:02:38:

07:8e:c3:5a:22:89:4f:34:65:de:55:9a:4c:3d:25:

2d:de:6e:de:cf:f3:6f:98:d9:ec:64:94:66:28:43:

03:62:9e:3e:9d:74:19:4b:ce:b9:03:ca:5b:ee:9f:

96:4d:08:c3:cc:38:b9:3f:93:fd:92:4e:36:a6:d9:

7a:64:a4:e8:32:ef:fe:8f:60:b4:5c:e9:b1:c7:68:

26:cd:88:00:e9:41:af:70:1d:c8:54:6d:c5:33:c0:

34:86:3c:54:58:be:80:22:3d:bf:5d:e6:7d:e4:5d:

06:a7:37:7b:c9:02:52:d6:02:df:cb:0d:62:6f:3b:

d8:d1:78:55:14:df:51:24:ff:9c:41:03:52:d1:a1:

94:3c:38:a2:5a:22:5c:2c:09:1e:59:d4:eb:5f:77:

f1:e9:9d:00:7d:5f:6d:49:e2:c6:65:85:6a:ae:94:

d4:cd:b4:12:af:30:50:54:db:fa:35:20:eb:f4:28:

c2:21:9d:31:2a:86:82:80:ce:c0:b3:85:9e:b7:a5:

39:75

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

44:29:CA:AC:38:31:BC:D6:D4:8C:59:1E:37:6F:29:D8:E9:73:83:B3

X509v3 Authority Key Identifier:

keyid:73:78:EF:00:20:44:54:4D:FE:00:26:FA:24:91:29:D9:A8:02:B7:25

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL8\_CA

serial:B6:5E:78:4B:CE:26:D5:7B

Signature Algorithm: sha1WithRSAEncryption

18:83:ca:c1:6c:a7:f3:3e:50:cd:62:85:fe:83:e5:6b:34:16:

c2:f4:13:e3:66:17:f3:eb:dd:fe:78:78:06:a2:77:11:a0:bf:

a8:6d:a5:53:e4:10:29:dc:3a:62:eb:43:2c:73:a7:dc:e8:1d:

ca:bb:3b:2a:1f:44:a4:8c:ce:f4:d6:be:8e:24:ad:4e:5c:a9:

ac:07:4b:ea:fe:41:49:9b:8b:85:1c:cc:df:f8:88:49:7f:35:

77:28:f0:c8:54:55:14:33:3d:2e:51:3a:9e:e9:64:40:6c:95:

91:74:56:cc:7e:62:4e:0e:fa:70:71:77:38:71:0a:cb:81:12:

c3:ed:17:1d:7a:d8:56:d8:6b:97:e6:a1:71:f6:cb:06:3c:39:

03:a8:c2:3b:2b:52:c6:1f:18:4c:88:48:f7:0f:e8:38:8c:ef:

4b:87:ca:6b:67:79:dc:e4:3b:0e:29:00:fd:fb:e8:ba:14:7d:

55:21:90:65:f2:94:0a:02:d8:12:aa:71:df:86:20:97:ed:e2:

3e:25:27:9f:c8:8f:59:a8:e8:3a:49:a2:5f:e6:f5:65:a4:33:

63:c8:cb:87:1a:f0:e4:66:3c:0b:17:3b:62:f4:f9:bd:04:e6:

ac:bb:66:be:82:27:a4:3f:34:72:b2:3b:88:64:eb:6e:c9:54:

e7:5c:58:fd

Chain depth: 1

Version: 3 (0x2)

Serial Number: 13141073029690217851 (0xb65e784bce26d57b)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL9\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:ee:c7:d2:a1:91:3f:ef:6b:da:2a:df:37:cb:e3:

81:89:3b:6e:fc:c8:16:1f:94:9f:74:e1:c3:64:77:

0c:9d:60:35:2b:04:e5:f8:0f:c5:fe:b8:51:5f:45:

7b:fa:9e:ed:43:7a:bb:d4:62:8d:26:52:4c:82:19:

84:ba:a0:52:65:62:c8:98:f5:c4:61:f8:6f:b2:c8:

05:68:34:62:a5:d5:12:8c:d0:09:3e:42:42:97:84:

cb:c7:24:4e:51:23:0d:2c:ee:26:52:9f:73:49:75:

08:36:14:13:b1:9f:d4:be:dd:d4:cf:8a:dc:c4:34:

5d:1d:b2:8e:68:78:3c:d6:a0:11:c7:e1:cc:35:85:

e3:91:4c:43:12:41:d6:39:44:f1:de:d0:75:dc:e1:

bb:42:83:14:64:37:99:90:14:88:e7:2a:64:92:2b:

c8:fc:1c:2a:67:09:ec:93:cc:f5:77:fc:b5:59:a5:

51:a5:53:90:0e:a3:59:16:d1:bb:1c:6d:4b:78:c4:

60:d2:f1:27:ea:74:47:db:e4:a9:07:63:aa:db:26:

51:aa:9b:59:28:6c:43:90:71:a3:2f:69:19:1c:02:

aa:23:da:0c:81:c4:62:d6:d3:67:59:f5:d2:3f:84:

b6:87:d5:9a:1b:5e:29:85:84:f5:0e:86:d7:6c:d3:

5a:4d

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

73:78:EF:00:20:44:54:4D:FE:00:26:FA:24:91:29:D9:A8:02:B7:25

X509v3 Authority Key Identifier:

keyid:75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL7\_CA

serial:F0:F9:23:55:57:E7:F3:56

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

25:26:44:4e:61:a9:60:ee:52:ae:0c:92:b5:7c:4c:22:03:23:

4a:53:b1:b9:45:40:af:0e:96:c8:9a:2c:d1:9c:14:91:52:5a:

2a:22:6f:a8:30:67:28:85:b2:68:e0:1e:dc:b2:fd:d0:fb:84:

d7:ff:90:2b:d4:a5:de:28:11:7e:26:fc:e6:62:92:d3:c0:b1:

3b:0e:cd:db:36:9a:29:29:5c:e9:a2:f3:25:52:0b:e7:61:07:

87:46:e8:4c:86:51:73:ff:cb:e0:65:03:a3:41:18:4d:18:78:

a8:25:91:67:49:33:33:59:02:1f:7a:1f:59:d3:c2:2b:e9:97:

e4:da:ed:a1:8d:1d:ca:96:4c:47:73:77:15:06:4a:5e:64:f1:

f2:30:9b:af:5a:90:4c:1c:80:6c:eb:68:06:fa:b9:84:75:d6:

e9:e8:40:63:bb:d6:14:2c:21:e7:eb:ca:1d:ed:3f:3e:7c:55:

00:73:0c:29:2c:d6:93:5c:6a:2d:51:74:82:20:e4:86:56:02:

db:e0:ec:94:19:d6:8e:2e:9e:af:6a:41:d6:e1:13:9e:fa:06:

d8:b6:3d:89:a8:83:13:a2:41:f6:1d:d3:50:a1:f4:f7:69:38:

ef:9e:2d:e9:84:23:ee:1b:62:a4:ad:f7:62:e7:61:50:2c:6c:

90:fd:99:23

Chain depth: 2

Version: 3 (0x2)

Serial Number: 17363948687757669206 (0xf0f9235557e7f356)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL7\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:dd:41:f7:d4:5b:52:24:03:12:49:75:50:17:6e:

8c:99:00:2a:b6:97:39:d6:44:69:fc:19:08:dc:1f:

22:6b:cd:57:3c:19:1a:c8:d8:96:09:7f:1d:10:7f:

4e:92:27:30:35:78:76:03:e5:d7:0f:2b:4c:b4:25:

fc:5d:4b:a7:be:ee:8e:73:75:96:76:b2:ef:66:8b:

cb:52:68:47:8d:f8:a4:49:f3:a0:1a:92:18:2c:b3:

8f:fb:a4:9e:9e:34:1d:b5:fe:fd:83:03:d2:12:03:

1d:2a:86:ff:62:e8:1f:aa:4a:cf:61:4c:d2:7d:77:

a8:ba:3d:ee:ee:4c:5c:bc:2e:35:08:1b:4c:61:e4:

70:49:d0:40:d4:49:80:12:e2:e5:6b:c6:52:a4:20:

15:3c:d0:52:e3:e5:03:f7:e7:c5:c5:01:ca:9a:93:

79:57:45:37:ed:c0:bf:12:e5:dc:ea:4b:3e:63:82:

d4:39:5a:d5:8e:0c:4f:8e:02:07:be:f9:79:93:18:

07:bb:71:7f:d8:4e:9e:25:3a:dc:ed:99:10:b5:35:

40:e4:d6:60:9c:66:d0:1a:b0:7a:37:04:23:b1:3e:

9f:cd:d0:72:9f:25:49:86:67:d7:cb:bb:d5:f6:62:

d7:f1:63:19:e7:b1:7b:2d:dd:09:f0:44:96:f8:c5:

20:a7

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

X509v3 Authority Key Identifier:

keyid:DF:0B:8E:DF:FE:4D:E8:CF:DA:15:56:6A:1B:B5:54:83:46:DD:85:34

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL6\_CA

serial:83:21:68:7C:1C:D9:70:DE

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

41:0e:e2:c0:f9:c1:31:69:68:a7:d0:d1:ab:9e:21:7a:61:a0:

f1:e7:b4:c9:cb:2b:eb:92:a9:f4:75:1e:e5:7a:19:6e:69:28:

42:e8:a8:79:19:7a:6b:3a:37:74:4a:56:38:d7:ce:d6:53:8c:

ba:95:14:29:bb:87:2a:37:93:4b:ce:ad:84:c9:53:83:21:a2:

7a:40:f5:dd:4c:76:77:9e:6b:e9:34:8e:e8:f4:74:d3:88:a1:

d2:70:c2:4a:d3:74:bd:ce:70:1b:25:50:48:97:e0:aa:04:b8:

8f:5a:06:29:e2:4d:34:19:68:5d:2c:54:6b:65:12:17:62:a2:

30:e0:27:a0:43:ee:1e:0a:9a:98:28:4b:0e:4c:5b:5f:87:84:

ce:7d:2c:f4:d2:c8:74:9a:08:6a:75:fc:22:20:d4:99:ff:d1:

6e:96:92:83:9b:a1:ae:be:88:3b:dd:8f:7f:16:bc:3c:c7:fd:

80:20:6a:da:51:81:b1:20:98:5d:bc:64:ce:45:c6:8d:1d:67:

df:92:16:39:51:f8:f3:ac:78:c5:32:f1:63:ed:28:86:ff:3c:

a3:81:6b:66:0b:46:07:f5:1e:e2:df:31:46:2e:e4:2e:73:02:

7c:51:ce:4b:22:5b:63:d6:9b:ba:5a:b5:e0:4d:69:7f:45:4f:

55:b5:db:e7

Chain depth: 3

Version: 3 (0x2)

Serial Number: 9448948375469256926 (0x8321687c1cd970de)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL6\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL7\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:cc:cc:c0:ee:cd:d3:5d:b9:33:7f:16:a6:c0:26:

c1:de:d6:5b:b7:7e:da:8b:a9:8c:b5:de:14:37:b6:

b8:95:4d:39:05:ff:58:ae:48:3c:64:35:ab:99:7c:

fd:cc:9c:1b:78:c9:59:49:73:5e:f8:82:1f:2b:63:

a3:6f:a2:98:15:63:c1:b2:f4:a6:91:ab:04:74:9f:

f5:72:9d:41:e3:ca:2a:ac:f1:18:fa:42:66:e1:bb:

7e:56:ae:0b:9a:69:47:20:77:e8:5f:a9:2f:d4:2b:

b5:4b:8f:6c:7f:d3:e2:4a:d9:2c:47:2b:b7:f2:8f:

62:d0:fe:7c:fe:d5:31:8f:93:2f:a8:82:37:31:07:

df:ea:47:72:f4:c2:29:1d:6c:ed:f6:02:04:bf:ba:

50:17:6c:74:a4:bd:90:5b:97:3e:a1:59:cc:af:89:

09:37:8b:b4:27:a6:63:df:46:14:24:b5:f4:c3:bf:

8c:29:42:93:a9:90:13:46:5c:2b:3b:42:42:39:59:

4c:e5:6c:1d:7f:98:67:22:39:6d:33:b9:77:be:8e:

32:8a:82:33:26:af:ed:8f:dc:63:6e:2c:b7:b1:cd:

2d:cf:84:5c:8b:0a:2b:c0:9e:dd:e4:b7:d2:28:d0:

07:2d:00:23:e0:64:f7:ed:dc:d1:71:1e:e8:78:bd:

98:03

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:0B:8E:DF:FE:4D:E8:CF:DA:15:56:6A:1B:B5:54:83:46:DD:85:34

X509v3 Authority Key Identifier:

keyid:EE:25:A9:06:5C:D4:32:7E:F1:A9:F7:F4:78:0E:BF:A9:5E:73:F6:D1

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL5\_CA

serial:D7:4C:B5:09:61:29:81:D3

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

9a:3c:a0:26:1c:9d:c6:21:3c:b2:47:26:8e:b9:04:5d:6e:09:

23:60:31:81:05:be:8b:1a:8c:b0:0e:49:16:bc:e8:8b:78:b3:

fc:15:bf:83:fa:69:a7:49:bb:52:c0:47:9e:ff:b0:03:af:3f:

cb:8e:02:1d:02:a2:fa:7e:a0:07:34:8a:0e:db:d9:bd:f8:ef:

8f:2b:c6:6c:06:ca:d9:50:c5:35:ba:3a:f0:8a:56:06:6d:df:

c5:a6:ac:54:63:8e:2e:55:b1:99:ab:8b:8c:55:00:9c:64:21:

7b:cd:0a:09:8a:da:82:b0:38:5e:b5:a3:94:d8:8c:2a:d4:cf:

e8:95:10:c6:95:33:77:7e:2f:00:5e:e4:c1:c9:0e:fd:1e:10:

ae:d2:cc:19:9d:cd:61:24:7d:07:8c:b1:ac:3e:94:f6:84:5d:

7a:17:3b:ab:f2:3f:4e:82:33:e7:d8:12:6d:8b:96:bf:2b:0c:

74:ab:70:02:0e:e4:5c:7c:1d:e9:89:1b:a4:ab:3c:5a:b4:27:

f2:63:55:67:e5:61:02:fb:4a:4c:54:58:7e:0d:88:4c:24:f9:

a3:ab:5c:ba:ce:5d:ae:c9:16:20:62:e7:96:8c:c2:9d:ac:33:

36:fd:60:07:02:d8:86:17:19:80:f8:6d:58:57:19:ab:27:85:

2a:d5:2e:f7

Chain depth: 4

Version: 3 (0x2)

Serial Number: 15513973868273959379 (0xd74cb509612981d3)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL5\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL6\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:c8:dd:c2:e8:69:d9:de:4d:bf:52:dd:a7:49:ef:

29:7d:6a:64:70:34:34:98:fa:3c:ff:24:89:b7:da:

db:6e:40:17:5d:47:6d:23:8a:c5:b3:a8:85:6a:df:

28:2c:a2:49:0f:58:2a:00:53:46:23:a7:47:9b:0a:

73:bd:b8:3d:81:b8:14:37:0d:67:e3:9e:8b:34:4c:

c3:d9:4c:38:aa:c0:5d:41:10:79:78:5a:ab:7c:68:

ae:ae:47:86:f8:e7:5d:68:65:ab:d8:fa:5b:36:be:

a0:ec:4c:44:b6:4f:b9:1e:06:15:b9:a4:1c:d5:3d:

2a:98:2e:e0:5c:c5:60:49:b9:06:84:f5:65:ae:f4:

eb:e6:40:72:fc:e6:e3:1f:97:bc:b4:d3:5f:c3:8e:

3b:9e:5e:38:0d:f9:43:1e:41:08:4f:35:74:91:d2:

79:ab:44:7c:bd:b8:c2:60:d9:7b:8b:02:08:c2:f9:

a3:a9:f9:87:cb:d4:9f:7a:e6:b5:a3:fa:19:d4:1d:

3c:45:27:60:79:f2:cb:b7:c4:ef:ad:7a:76:e9:46:

b1:fa:e3:04:ed:49:19:43:50:25:1f:14:ce:ec:55:

c3:db:db:1c:bf:cc:b1:3e:ea:d4:0d:13:86:f4:55:

b3:74:76:c2:18:ed:08:b3:e6:62:2d:1e:00:7d:8f:

aa:55

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

EE:25:A9:06:5C:D4:32:7E:F1:A9:F7:F4:78:0E:BF:A9:5E:73:F6:D1

X509v3 Authority Key Identifier:

keyid:F4:21:30:AD:06:77:6E:E3:42:CF:13:B5:EE:1A:1A:90:D7:9E:47:E0

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL4\_CA

serial:C5:39:F2:B3:D1:C1:94:FE

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

19:63:c5:87:11:da:5a:c4:20:40:9e:ad:ec:db:3f:04:71:c1:

6f:12:79:cd:bc:aa:bb:64:b9:ac:78:27:b1:03:42:e8:66:55:

b3:63:a6:df:40:a9:02:8c:59:48:4c:1e:8b:dd:da:38:fb:f2:

69:98:b1:96:e6:40:9f:ba:97:c1:16:4a:2f:53:48:ee:f0:74:

61:86:1a:83:5f:4b:20:9e:31:91:97:3a:9d:a6:6c:9a:ff:6b:

e5:50:89:a0:68:51:4e:81:8c:22:3e:af:67:91:44:41:9e:6e:

52:3d:fb:31:82:6d:e3:4d:a3:af:4d:e4:d2:c8:a6:b1:30:cc:

87:a0:f8:7b:5a:60:50:ab:43:27:88:be:5a:c7:ba:f6:e9:89:

e3:27:46:ed:ea:0b:1f:ec:7f:e9:15:e2:e9:4d:71:22:ee:72:

d3:5e:b2:6a:22:9c:3f:18:e2:80:d3:9d:62:48:b2:9e:ab:8e:

24:e2:cc:39:ac:69:61:94:f5:c2:95:69:46:83:d0:bf:ee:40:

df:dc:62:07:60:ad:72:5f:30:40:b5:2c:b6:e9:54:b9:e7:bd:

0f:e4:de:08:d8:a1:16:09:62:96:6c:db:46:eb:d2:04:df:85:

13:25:34:38:22:38:9b:3f:14:fe:69:29:3c:f8:5b:1f:d0:30:

76:36:6e:f9

Chain depth: 5

Version: 3 (0x2)

Serial Number: 14211656953276503294 (0xc539f2b3d1c194fe)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Validity

Not Before: Jan 16 12:37:57 2017 GMT

Not After : Dec 23 12:37:57 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL5\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a9:15:4b:14:a7:c3:32:4d:37:c7:5f:30:d1:78:

90:62:b4:4e:62:f1:58:33:92:17:b6:e5:50:60:99:

53:d3:10:fe:f2:f5:aa:c9:24:3b:15:27:c9:05:64:

eb:40:46:b2:49:9d:9a:83:0d:26:e1:be:d2:ca:8d:

c7:0f:44:f1:f5:14:eb:ca:07:c4:36:d8:9a:fb:c4:

ac:0f:0f:ea:75:7a:a0:da:10:09:43:13:f7:5c:d9:

c3:71:60:16:53:87:0a:7a:dc:16:0f:40:b4:0c:e4:

de:9b:15:b4:53:dd:57:d7:6f:ea:b6:dc:93:f5:80:

d9:b7:97:61:04:57:05:e9:ff:62:89:e9:c2:e6:a5:

5f:4f:ac:64:35:06:8b:27:c1:29:73:04:b5:98:da:

39:83:88:a5:15:36:5d:2f:2d:d4:52:c5:71:e9:fd:

57:95:4f:26:aa:5a:0a:4b:4c:c9:e4:6f:ad:ca:56:

1c:5c:9a:22:d1:b8:b4:16:0f:16:25:86:cc:c9:5c:

60:eb:4b:72:42:61:00:c4:6e:4d:c6:c7:e8:4b:ad:

78:82:01:c5:90:12:65:ce:d0:26:59:c8:ff:cf:0d:

01:d9:84:73:7a:04:38:86:72:1b:57:e0:a3:d5:d0:

7c:ff:9b:a9:43:f8:81:ed:41:9d:d6:d5:1e:0a:7f:

2f:49

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

F4:21:30:AD:06:77:6E:E3:42:CF:13:B5:EE:1A:1A:90:D7:9E:47:E0

X509v3 Authority Key Identifier:

keyid:D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL3\_CA

serial:BF:DC:57:59:7D:1A:09:5E

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

39:13:6b:dd:b9:ea:c1:76:77:e9:90:27:11:ba:78:70:60:24:

b0:d4:8a:f8:d8:f0:bf:43:a6:a3:ac:4f:06:e4:b0:95:7a:b1:

b2:03:1a:f5:33:18:46:79:cd:4c:70:00:dd:ee:4a:c9:e5:e2:

64:78:36:b8:ab:88:14:72:d5:2b:2d:8b:0e:18:0e:f0:89:0a:

d0:e4:7b:86:b8:ce:63:d1:72:63:06:2c:1a:9e:a0:65:b3:bf:

f9:d8:2e:e3:4d:60:14:fa:8f:a2:6e:07:c5:c5:42:e6:40:f6:

f3:7d:5c:48:92:7d:5e:9d:cf:b8:bb:75:c2:79:80:83:e3:40:

77:79:ea:90:74:3a:87:a4:e9:b6:fa:70:f2:9b:1e:f3:2b:36:

c9:e3:9f:ec:e8:e1:40:b0:1d:91:94:1d:17:46:df:da:8d:63:

c3:52:89:f6:53:2b:bb:ce:25:23:81:69:95:33:e8:f3:80:b9:

0a:2c:41:9c:64:1a:70:52:57:72:de:da:74:b7:80:50:7b:9d:

ff:69:04:1d:04:49:2e:84:9b:04:bd:96:00:20:b8:b7:ef:de:

33:70:03:82:e6:dc:0c:8f:a8:b2:62:3e:65:04:05:82:11:7f:

e7:16:d7:34:e8:52:4b:4e:29:ff:22:2d:38:ed:0a:94:09:b6:

93:4d:18:38:43:35:c7:b0:d0:cf:96:82:71:6d:a9:31:68:69:

69:06:fd:42:00:94:f8:3c:45:73:9d:9d:cb:65:5e:24:50:e8:

5f:51:e2:7c:ce:65:68:a5:24:24:d6:87:7d:b4:b8:df:55:9f:

df:b6:86:e5:58:9a:67:06:72:87:fa:e7:b3:51:f3:b6:4c:be:

bd:85:10:65:a2:c6:5d:6f:7b:63:dd:61:56:2f:2d:5b:58:37:

9e:31:e0:5e:42:02:8e:a5:a3:eb:01:0f:24:94:96:fa:dc:f7:

ab:78:db:a2:59:08:15:0d:e3:c4:8b:38:1e:3e:09:56:fc:01:

16:43:db:40:db:e4:81:9a:fa:0f:c5:bb:0b:63:11:fd:54:6c:

d0:f6:e1:a6:8d:20:52:f3:53:7d:7c:23:84:2b:cf:62:7d:9a:

01:f6:07:ca:e9:5e:6e:74:0e:7a:cf:83:fe:da:49:00:80:87:

a0:67:d6:92:c2:84:e0:75:21:c3:fe:ee:f8:84:ba:80:eb:31:

da:78:99:99:28:c6:48:87:cd:d6:63:9b:99:6d:4e:f3:bb:0e:

a7:76:93:b4:14:f1:db:89:13:89:50:11:f4:6d:9e:3a:4f:b0:

dd:b7:cf:d4:60:86:49:9c:ad:5f:cd:85:00:ef:fe:d5:1b:26:

fb:28:ae:ac:2c:9c:d3:2a

Chain depth: 6

Version: 3 (0x2)

Serial Number: 13825020997983144286 (0xbfdc57597d1a095e)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 13 19:41:15 2017 GMT

Not After : Jan 11 19:41:15 2027 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ec:42:83:6c:3a:81:23:fe:e5:83:1b:e8:b9:63:

ac:d0:33:ab:b8:fa:c6:d9:e8:93:48:3c:2f:79:ef:

fc:93:c7:47:97:a8:e3:e0:dd:05:4c:e9:44:ff:6d:

4e:c2:e7:79:e8:c1:3d:22:1a:d8:91:89:9a:86:51:

fb:46:1f:bb:0b:ea:7f:bd:3d:03:ac:60:de:ec:b8:

80:bc:d7:71:47:4d:15:43:d1:1d:05:09:22:bd:35:

10:03:09:c1:b0:2d:0d:66:f7:29:63:d6:1d:6c:4a:

7c:fe:68:0d:52:22:21:e5:0c:14:5f:47:c6:a5:d6:

e6:1f:5e:45:e6:b8:0c:b7:48:fc:e1:db:43:c5:59:

51:8a:0d:9b:16:1c:30:4e:1b:47:3f:91:ca:43:b6:

20:0e:98:34:97:cd:cc:6a:48:fd:ac:d5:9d:08:f7:

c8:fb:6b:d9:a4:8d:3f:50:25:7f:01:f2:5e:48:36:

bc:87:60:8b:55:2b:18:1e:0c:f9:d6:65:91:94:fb:

61:14:b9:1e:0e:14:99:7a:33:c1:f9:84:c4:d4:46:

f7:a6:d7:51:a9:26:09:a3:9f:32:7e:58:f3:28:0f:

47:68:57:c4:95:99:a2:20:7e:df:ff:f3:94:2d:6c:

92:90:90:9b:46:b2:c8:bf:5e:94:94:3c:76:f7:82:

41:3b:1d:85:a2:f9:95:35:47:2f:f5:58:26:2c:a3:

bc:6f:47:a5:0a:cc:af:23:0f:aa:f4:91:72:ff:5a:

41:5d:f6:1e:e6:5d:37:68:5b:21:5d:ae:c9:ac:5f:

bb:3e:4e:9c:fb:1c:3d:af:23:2f:35:09:96:71:ed:

f8:1d:d5:19:7d:53:8f:b8:e5:74:76:80:c9:ad:89:

e6:ef:79:0e:3d:e4:ae:45:fb:d7:22:26:db:73:b1:

19:57:1f:68:fe:c9:8b:41:88:7d:7c:da:33:3a:68:

eb:b1:ee:d9:d7:6c:06:e9:8a:9e:d9:03:46:19:e5:

c3:90:c2:8d:2e:8c:e8:89:c0:81:b4:4e:18:71:18:

39:4a:33:49:5e:06:c3:ea:47:e6:03:f9:65:34:2c:

81:b3:e7:02:94:8a:50:81:9e:8f:4e:d0:24:34:7e:

2c:b6:66:f8:a5:f5:f1:50:3b:95:f0:f0:9c:a2:14:

94:73:b7:15:0a:a0:25:39:85:67:fe:f6:3f:c0:81:

dd:47:07:6c:d2:4e:be:db:78:d2:ba:ff:67:1a:5a:

11:5a:95:b1:7b:9c:38:a9:f5:26:d6:d1:30:70:2e:

13:97:e5:6d:85:7a:b3:94:67:8d:11:58:ac:0e:25:

0d:5a:ff:c8:c2:95:23:9d:ef:08:21:18:dc:c5:18:

d2:19:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

91:25:5f:12:d6:d2:81:ea:c9:d1:46:3d:18:d3:67:4d:0f:cb:

0b:9c:23:28:f3:e1:f1:8e:f8:4d:f7:e8:0e:3d:d0:73:68:c0:

45:a3:0e:39:83:7a:93:5e:47:6d:4b:36:e4:3b:aa:fa:5f:4d:

ce:79:44:a4:b2:73:a4:88:95:c7:49:db:62:6b:2e:ee:9e:3d:

4c:ae:c7:71:25:e7:92:f3:22:38:c7:e5:98:13:ae:2f:e7:7b:

65:1a:2d:2f:82:ee:75:2e:13:4c:3b:1c:96:d0:25:c3:77:76:

8d:51:d9:d6:95:30:b2:4d:66:8a:1e:e8:84:fe:1c:17:c3:ce:

e8:4a:83:ac:f4:0c:c2:94:9f:48:c2:71:93:12:8e:71:5c:9a:

1a:53:6e:47:2c:23:33:a2:f1:45:ce:5e:30:4b:33:df:de:d2:

3b:f8:f9:e2:f5:dc:e0:5a:4b:4a:72:ad:64:0d:ff:64:c5:61:

e9:21:63:37:88:41:43:70:e4:11:dd:f9:35:82:6e:30:f9:b8:

b9:af:d6:fb:30:bf:0a:42:c0:c0:a6:88:2b:8f:c4:8d:71:d2:

54:c2:70:4c:0c:cf:29:2b:fe:a4:2b:f2:28:fc:32:8a:1d:75:

c1:dc:a8:f7:c6:1b:22:a6:17:55:9a:94:06:61:13:c9:25:44:

7a:c6:3c:c7:86:26:2c:4e:b4:af:b5:66:38:76:14:1a:bf:ed:

74:16:c3:bb:a9:1b:c3:51:9e:a1:c6:0c:a0:9e:29:4f:1a:c6:

14:ba:27:7e:e2:22:8d:e4:23:62:20:c6:60:45:7c:c8:08:4f:

1e:b5:27:41:90:d4:22:c4:d9:1d:b3:f0:7c:fa:29:bd:b2:df:

83:55:df:d0:31:74:cb:58:8d:3e:dc:7b:56:16:21:23:7b:a0:

5a:6a:43:d6:5f:d1:44:17:d7:9b:aa:94:96:a1:10:8e:e0:96:

1a:fd:ef:f2:03:f0:2f:e3:a9:91:1f:bc:9e:dd:3f:80:6c:08:

35:1b:fc:58:93:b2:d7:77:07:df:e1:2e:f2:ea:2c:93:3a:ef:

98:9e:99:3e:17:b4:fd:33:29:a6:96:57:9f:53:67:ac:d5:b4:

6d:79:68:c2:aa:8a:84:4f:12:fc:a3:86:9a:54:88:0a:e1:6b:

f3:cc:ab:38:51:6f:7a:d1:e2:88:fb:29:62:5c:f8:a4:51:43:

fd:e3:60:e1:3c:e9:1b:1a:f0:41:eb:f2:01:03:cd:9a:17:82:

33:ae:e1:08:4c:e0:b5:b4:a8:6f:f1:c6:d9:df:5c:64:d1:32:

20:5b:69:8f:7c:08:5e:0b:b4:18:f3:78:aa:3f:fd:9d:27:d6:

0b:87:b1:52:61:a4:5b:ba

Chain depth: 7

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Dec 31 19:00:00 2011 GMT

Not After : Dec 31 19:00:00 2050 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

a6:68:65:cb:c7:3a:28:eb:ef:6e:57:2b:ea:82:25:1d:64:e0:

f6:ca:28:54:0b:b3:17:c1:bb:1d:f4:e5:a6:28:e4:77:1d:94:

9a:de:01:5c:b5:c5:50:ad:ad:3b:d7:92:f6:c6:fe:23:93:78:

4a:cf:69:92:06:8e:ab:a7:ec:3a:76:f2:ff:ce:29:e0:d7:9e:

f3:93:c7:b0:54:43:37:58:b9:10:44:40:9c:d2:23:78:fb:63:

12:53:7f:f1:99:db:d4:9f:68:eb:ee:e5:13:2c:ac:d3:0c:94:

b0:30:c7:5b:3e:ee:b3:6a:b5:fe:5d:5f:e8:92:7c:29:c0:06:

39:ca:cc:1e:46:a2:36:68:d5:c8:1e:1f:d4:4d:05:b8:79:2a:

fc:9b:7a:c4:05:d9:bc:d9:8c:f2:96:a6:2e:b8:13:94:c6:7c:

8e:7c:bc:f3:bd:48:cb:73:a7:86:cd:c6:9e:b5:00:1b:5a:57:

9e:7b:ea:88:7f:af:64:75:7e:c9:e5:0e:c7:dc:10:67:b3:73:

8b:b2:01:0b:2c:7e:41:53:3a:53:94:39:ad:89:9b:3a:c4:a2:

6c:af:fa:c5:ad:64:0b:1f:85:99:f7:ac:74:e9:66:04:03:64:

be:92:4c:88:84:64:bf:88:2c:e8:fc:69:e2:f8:31:a4:d1:ee:

7f:b7:56:35:c0:ed:42:0e:9e:b5:e2:51:14:32:79:98:22:39:

27:da:6f:b1:17:0d:e0:0b:90:fd:cf:24:43:8e:9f:76:63:44:

b2:a9:65:d2:32:e6:e8:49:49:cb:37:be:35:56:e0:d7:91:5d:

5b:40:ae:b3:08:81:1c:63:6e:fb:48:dd:e3:87:48:96:fb:83:

95:17:9b:04:d6:84:77:04:3c:a2:7e:c8:bd:9c:f3:a7:3c:07:

1d:9b:da:e6:29:d7:2b:82:6d:84:22:b7:d4:03:26:fd:af:45:

71:c9:53:19:6d:8f:42:1b:83:cf:91:7e:cb:c9:04:6a:9d:75:

26:5c:a6:05:a7:93:d3:41:3f:b2:0b:fe:da:53:d3:60:e6:a2:

2f:f1:59:6c:10:da:61:0c:69:6d:a0:d0:3a:fe:4f:5f:a0:78:

8d:01:5a:85:07:f8:30:52:e7:dc:58:bb:f1:6b:cb:77:4b:67:

dc:76:22:71:e0:6d:cf:f4:ac:ce:99:8e:b7:ba:42:cc:77:5c:

1f:51:68:9d:d8:21:b1:8a:ea:a9:65:f9:45:fe:11:7a:0b:67:

bc:a9:40:2e:e8:32:79:6e:f8:da:71:d0:ad:60:c7:10:b2:14:

69:9d:55:fa:f3:85:49:76:d7:89:4b:11:70:a8:c7:8c:59:69:

98:51:c5:a1:96:e3:75:7f

Chain depth: 8

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2011 GMT

Not After : Jan 1 00:00:00 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

45:bb:c5:a1:ad:ee:ae:9b:dd:e3:e2:43:0b:cb:d9:43:e1:04:

fb:d3:96:1d:0b:41:01:94:a9:42:27:41:55:46:78:0e:41:6a:

4a:1a:d5:95:37:da:e7:e2:83:b0:b4:44:a0:6b:d4:a8:65:25:

6b:c5:fd:f4:ae:62:e1:64:42:e7:fb:50:b7:0f:31:39:a6:09:

08:25:83:d2:66:9e:82:3a:6a:37:d5:ff:25:17:85:42:ec:96:

4f:26:1c:af:49:f0:d7:c5:58:c4:5a:79:91:70:56:64:4a:87:

e0:0e:64:56:b8:d4:91:1e:e1:9e:53:92:73:94:aa:c5:c2:32:

33:04

Chain depth: 9

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: level2\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jan 1 00:00:00 2011 GMT

Not After : Jan 1 00:00:00 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:c7:98:00:12:4a:0c:41:3f:9c:4e:0b:ac:72:f0:

3a:d3:6e:a6:27:bc:ee:0a:03:5e:40:13:e2:b0:ba:

2a:81:ae:0f:7f:68:cd:6b:21:1c:c2:6c:47:95:6b:

5d:c0:e5:f1:aa:7e:46:b6:89:c9:f7:fe:74:7f:ae:

93:5e:0c:db:85:41:43:15:f9:cf:97:4d:54:06:b0:

28:aa:97:98:80:17:7f:ec:15:65:42:66:57:11:ed:

c3:53:2d:4e:dc:28:8e:59:13:92:81:04:d8:09:0b:

72:7d:88:72:2f:3a:64:c7:35:92:87:91:c4:c2:fa:

95:81:9c:53:07:03:d6:72:d8:5d:48:85:f4:0a:6a:

95:2f:d7:e9:ec:81:3c:61:26:84:6a:be:16:83:51:

5a:f3:21:1f:ce:75:4d:53:cf:3f:64:e3:95:9c:54:

bb:e6:56:03:8a:4e:f4:74:44:42:7b:de:64:f2:4c:

0c:b1:80:d2:04:7d:18:5b:e8:f5:9f:af:4f:89:72:

de:eb:c6:ba:6a:b5:ee:f5:88:f5:cd:0d:91:07:c8:

9a:b3:21:45:38:68:39:fa:c8:4e:cd:fb:59:fe:44:

65:07:b9:ac:13:ee:13:d5:37:17:2a:ac:13:db:7e:

21:35:7f:97:68:b6:d2:4f:9f:fd:ee:fa:80:bb:9f:

d3:c8:20:cc:ec:a9:7e:bb:b9:98:aa:05:f3:ed:56:

84:05:69:30:4d:a6:b1:a3:60:4d:56:e6:af:62:16:

17:2e:7f:09:81:5a:12:ee:7c:c3:68:28:6e:de:ec:

d8:64:f0:f6:8f:38:e7:af:60:38:c4:7c:60:a0:b3:

31:88:bf:4a:74:ab:c0:ea:54:cb:3d:6f:bd:70:19:

8b:6a:c6:a9:67:89:ba:21:ff:54:a9:63:81:76:75:

fc:17:5f:d3:47:eb:3c:8c:c7:e8:2c:cf:8d:41:4d:

c6:e3:f2:d8:25:56:b2:39:1d:b5:1c:2a:9a:05:ab:

5d:3c:f4:e8:82:34:eb:29:32:1b:bd:30:88:0f:1e:

c1:41:40:e4:1c:18:05:a0:0f:72:6d:be:e1:52:51:

d3:7c:64:d9:b7:d6:27:52:12:56:e3:fe:5a:1b:fd:

ed:38:e1:f1:9b:61:7b:6a:94:53:0d:75:b1:79:26:

39:19:89:f5:33:9f:c2:5a:31:11:af:b8:31:0f:a1:

d7:2c:fc:85:2c:da:02:f1:d8:8b:16:45:7d:98:c9:

8f:88:b4:c6:70:5d:50:57:cb:ae:99:75:a7:0c:aa:

72:e6:84:7a:89:b6:79:3e:a3:65:93:48:95:40:7d:

5b:66:b9:26:f6:35:5a:71:ce:6a:b7:92:1e:e1:9c:

38:2b:2b

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

45:bb:c5:a1:ad:ee:ae:9b:dd:e3:e2:43:0b:cb:d9:43:e1:04:

fb:d3:96:1d:0b:41:01:94:a9:42:27:41:55:46:78:0e:41:6a:

4a:1a:d5:95:37:da:e7:e2:83:b0:b4:44:a0:6b:d4:a8:65:25:

6b:c5:fd:f4:ae:62:e1:64:42:e7:fb:50:b7:0f:31:39:a6:09:

08:25:83:d2:66:9e:82:3a:6a:37:d5:ff:25:17:85:42:ec:96:

4f:26:1c:af:49:f0:d7:c5:58:c4:5a:79:91:70:56:64:4a:87:

e0:0e:64:56:b8:d4:91:1e:e1:9e:53:92:73:94:aa:c5:c2:32:

33:04

Filename: level3\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL2\_CA

Validity

Not Before: Dec 31 19:00:00 2011 GMT

Not After : Dec 31 19:00:00 2050 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:95:4a:59:cd:75:49:73:8c:65:cb:69:12:19:28:

aa:2d:97:40:d2:b6:0c:e7:0e:f5:cf:df:db:f0:2c:

00:c7:51:bd:4f:14:59:80:02:75:85:31:49:73:42:

a1:8f:32:90:28:74:28:c6:e5:12:b3:a8:f2:ff:8d:

3b:99:97:67:da:3c:06:d0:7c:4a:f5:6d:cd:45:b2:

ca:1a:88:04:9c:6a:bb:c1:90:8a:37:26:53:f9:30:

b5:33:d9:67:04:bb:07:cd:23:7d:cd:7d:38:48:bb:

c7:f2:be:6f:b6:2a:da:b0:ca:24:98:20:6b:7c:e3:

69:49:e3:b8:3a:2c:5d:d8:fd:d5:48:2f:10:15:09:

af:37:39:45:75:64:10:d1:5b:78:1d:ec:3a:d6:45:

9e:9f:2c:54:32:20:42:f5:67:df:37:ef:8e:41:28:

5e:19:e3:47:13:f0:22:fb:ed:2d:45:a9:30:c7:18:

77:cd:35:c0:58:7b:66:51:0b:f0:7d:54:d2:d6:7e:

34:fa:07:14:19:d4:5a:95:28:ec:ff:10:d5:27:4e:

b3:b7:fc:d4:78:ac:41:17:dd:76:a2:dc:60:7a:2b:

32:d0:cd:ef:e8:55:cc:5a:30:a7:57:28:df:62:47:

1c:af:71:86:35:d6:18:e1:b5:76:1a:fe:1a:6b:f1:

73:23:02:bb:44:d0:91:a3:92:46:cc:f8:38:a8:06:

7c:1f:1f:58:ee:55:ab:16:f6:97:80:e2:0e:b9:c2:

56:67:19:32:2c:95:89:74:ed:56:48:54:f7:81:e1:

12:28:d6:f8:c3:3d:0c:dd:33:7f:fe:f8:28:1b:82:

61:6b:0d:4a:56:1d:8c:ff:b0:0f:d4:eb:bd:e4:c4:

34:d6:72:9e:be:b7:5d:a0:20:bc:a7:08:90:e4:e4:

32:e4:4c:cc:3c:9f:8b:ae:f9:f9:e9:ac:0f:ff:b2:

b8:59:71:b4:e1:9a:13:41:c3:6f:e5:7e:88:fe:fa:

1b:38:dd:cd:c8:7b:ab:77:87:df:2b:53:1f:e1:1d:

37:93:54:5f:90:9f:e3:cb:92:5f:92:7d:2d:a4:30:

d9:a3:a9:ad:ed:6e:9a:c2:8b:7c:eb:ed:80:4d:cc:

81:26:25:4d:8a:e9:b5:dd:20:4b:ba:17:3a:d9:9a:

34:e1:c7:a7:45:df:17:48:db:1f:6e:b2:e2:48:7f:

83:fe:7c:73:23:06:9e:af:db:c7:ac:ad:db:9e:cc:

c7:b9:4a:54:53:8c:2b:01:bb:74:a7:17:2a:42:a7:

3d:5f:88:24:31:74:f2:60:18:25:33:97:d7:e2:f7:

42:e2:a0:ad:af:69:5f:80:3d:b4:f3:6b:af:08:ea:

ba:a9:e9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

X509v3 Authority Key Identifier:

keyid:8B:66:22:83:9D:82:22:1C:B2:E3:E7:37:93:EE:E1:39:95:02:B9:14

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:00

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

a6:68:65:cb:c7:3a:28:eb:ef:6e:57:2b:ea:82:25:1d:64:e0:

f6:ca:28:54:0b:b3:17:c1:bb:1d:f4:e5:a6:28:e4:77:1d:94:

9a:de:01:5c:b5:c5:50:ad:ad:3b:d7:92:f6:c6:fe:23:93:78:

4a:cf:69:92:06:8e:ab:a7:ec:3a:76:f2:ff:ce:29:e0:d7:9e:

f3:93:c7:b0:54:43:37:58:b9:10:44:40:9c:d2:23:78:fb:63:

12:53:7f:f1:99:db:d4:9f:68:eb:ee:e5:13:2c:ac:d3:0c:94:

b0:30:c7:5b:3e:ee:b3:6a:b5:fe:5d:5f:e8:92:7c:29:c0:06:

39:ca:cc:1e:46:a2:36:68:d5:c8:1e:1f:d4:4d:05:b8:79:2a:

fc:9b:7a:c4:05:d9:bc:d9:8c:f2:96:a6:2e:b8:13:94:c6:7c:

8e:7c:bc:f3:bd:48:cb:73:a7:86:cd:c6:9e:b5:00:1b:5a:57:

9e:7b:ea:88:7f:af:64:75:7e:c9:e5:0e:c7:dc:10:67:b3:73:

8b:b2:01:0b:2c:7e:41:53:3a:53:94:39:ad:89:9b:3a:c4:a2:

6c:af:fa:c5:ad:64:0b:1f:85:99:f7:ac:74:e9:66:04:03:64:

be:92:4c:88:84:64:bf:88:2c:e8:fc:69:e2:f8:31:a4:d1:ee:

7f:b7:56:35:c0:ed:42:0e:9e:b5:e2:51:14:32:79:98:22:39:

27:da:6f:b1:17:0d:e0:0b:90:fd:cf:24:43:8e:9f:76:63:44:

b2:a9:65:d2:32:e6:e8:49:49:cb:37:be:35:56:e0:d7:91:5d:

5b:40:ae:b3:08:81:1c:63:6e:fb:48:dd:e3:87:48:96:fb:83:

95:17:9b:04:d6:84:77:04:3c:a2:7e:c8:bd:9c:f3:a7:3c:07:

1d:9b:da:e6:29:d7:2b:82:6d:84:22:b7:d4:03:26:fd:af:45:

71:c9:53:19:6d:8f:42:1b:83:cf:91:7e:cb:c9:04:6a:9d:75:

26:5c:a6:05:a7:93:d3:41:3f:b2:0b:fe:da:53:d3:60:e6:a2:

2f:f1:59:6c:10:da:61:0c:69:6d:a0:d0:3a:fe:4f:5f:a0:78:

8d:01:5a:85:07:f8:30:52:e7:dc:58:bb:f1:6b:cb:77:4b:67:

dc:76:22:71:e0:6d:cf:f4:ac:ce:99:8e:b7:ba:42:cc:77:5c:

1f:51:68:9d:d8:21:b1:8a:ea:a9:65:f9:45:fe:11:7a:0b:67:

bc:a9:40:2e:e8:32:79:6e:f8:da:71:d0:ad:60:c7:10:b2:14:

69:9d:55:fa:f3:85:49:76:d7:89:4b:11:70:a8:c7:8c:59:69:

98:51:c5:a1:96:e3:75:7f

Filename: level4\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 13825020997983144286 (0xbfdc57597d1a095e)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL3\_CA

Validity

Not Before: Jan 13 19:41:15 2017 GMT

Not After : Jan 11 19:41:15 2027 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (4096 bit)

Modulus:

00:ec:42:83:6c:3a:81:23:fe:e5:83:1b:e8:b9:63:

ac:d0:33:ab:b8:fa:c6:d9:e8:93:48:3c:2f:79:ef:

fc:93:c7:47:97:a8:e3:e0:dd:05:4c:e9:44:ff:6d:

4e:c2:e7:79:e8:c1:3d:22:1a:d8:91:89:9a:86:51:

fb:46:1f:bb:0b:ea:7f:bd:3d:03:ac:60:de:ec:b8:

80:bc:d7:71:47:4d:15:43:d1:1d:05:09:22:bd:35:

10:03:09:c1:b0:2d:0d:66:f7:29:63:d6:1d:6c:4a:

7c:fe:68:0d:52:22:21:e5:0c:14:5f:47:c6:a5:d6:

e6:1f:5e:45:e6:b8:0c:b7:48:fc:e1:db:43:c5:59:

51:8a:0d:9b:16:1c:30:4e:1b:47:3f:91:ca:43:b6:

20:0e:98:34:97:cd:cc:6a:48:fd:ac:d5:9d:08:f7:

c8:fb:6b:d9:a4:8d:3f:50:25:7f:01:f2:5e:48:36:

bc:87:60:8b:55:2b:18:1e:0c:f9:d6:65:91:94:fb:

61:14:b9:1e:0e:14:99:7a:33:c1:f9:84:c4:d4:46:

f7:a6:d7:51:a9:26:09:a3:9f:32:7e:58:f3:28:0f:

47:68:57:c4:95:99:a2:20:7e:df:ff:f3:94:2d:6c:

92:90:90:9b:46:b2:c8:bf:5e:94:94:3c:76:f7:82:

41:3b:1d:85:a2:f9:95:35:47:2f:f5:58:26:2c:a3:

bc:6f:47:a5:0a:cc:af:23:0f:aa:f4:91:72:ff:5a:

41:5d:f6:1e:e6:5d:37:68:5b:21:5d:ae:c9:ac:5f:

bb:3e:4e:9c:fb:1c:3d:af:23:2f:35:09:96:71:ed:

f8:1d:d5:19:7d:53:8f:b8:e5:74:76:80:c9:ad:89:

e6:ef:79:0e:3d:e4:ae:45:fb:d7:22:26:db:73:b1:

19:57:1f:68:fe:c9:8b:41:88:7d:7c:da:33:3a:68:

eb:b1:ee:d9:d7:6c:06:e9:8a:9e:d9:03:46:19:e5:

c3:90:c2:8d:2e:8c:e8:89:c0:81:b4:4e:18:71:18:

39:4a:33:49:5e:06:c3:ea:47:e6:03:f9:65:34:2c:

81:b3:e7:02:94:8a:50:81:9e:8f:4e:d0:24:34:7e:

2c:b6:66:f8:a5:f5:f1:50:3b:95:f0:f0:9c:a2:14:

94:73:b7:15:0a:a0:25:39:85:67:fe:f6:3f:c0:81:

dd:47:07:6c:d2:4e:be:db:78:d2:ba:ff:67:1a:5a:

11:5a:95:b1:7b:9c:38:a9:f5:26:d6:d1:30:70:2e:

13:97:e5:6d:85:7a:b3:94:67:8d:11:58:ac:0e:25:

0d:5a:ff:c8:c2:95:23:9d:ef:08:21:18:dc:c5:18:

d2:19:e5

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

X509v3 Authority Key Identifier:

keyid:DF:CA:55:23:BA:C2:7C:04:AF:F3:A3:FF:3E:7A:C7:F3:00:E4:5B:22

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL2\_CA

serial:01

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

91:25:5f:12:d6:d2:81:ea:c9:d1:46:3d:18:d3:67:4d:0f:cb:

0b:9c:23:28:f3:e1:f1:8e:f8:4d:f7:e8:0e:3d:d0:73:68:c0:

45:a3:0e:39:83:7a:93:5e:47:6d:4b:36:e4:3b:aa:fa:5f:4d:

ce:79:44:a4:b2:73:a4:88:95:c7:49:db:62:6b:2e:ee:9e:3d:

4c:ae:c7:71:25:e7:92:f3:22:38:c7:e5:98:13:ae:2f:e7:7b:

65:1a:2d:2f:82:ee:75:2e:13:4c:3b:1c:96:d0:25:c3:77:76:

8d:51:d9:d6:95:30:b2:4d:66:8a:1e:e8:84:fe:1c:17:c3:ce:

e8:4a:83:ac:f4:0c:c2:94:9f:48:c2:71:93:12:8e:71:5c:9a:

1a:53:6e:47:2c:23:33:a2:f1:45:ce:5e:30:4b:33:df:de:d2:

3b:f8:f9:e2:f5:dc:e0:5a:4b:4a:72:ad:64:0d:ff:64:c5:61:

e9:21:63:37:88:41:43:70:e4:11:dd:f9:35:82:6e:30:f9:b8:

b9:af:d6:fb:30:bf:0a:42:c0:c0:a6:88:2b:8f:c4:8d:71:d2:

54:c2:70:4c:0c:cf:29:2b:fe:a4:2b:f2:28:fc:32:8a:1d:75:

c1:dc:a8:f7:c6:1b:22:a6:17:55:9a:94:06:61:13:c9:25:44:

7a:c6:3c:c7:86:26:2c:4e:b4:af:b5:66:38:76:14:1a:bf:ed:

74:16:c3:bb:a9:1b:c3:51:9e:a1:c6:0c:a0:9e:29:4f:1a:c6:

14:ba:27:7e:e2:22:8d:e4:23:62:20:c6:60:45:7c:c8:08:4f:

1e:b5:27:41:90:d4:22:c4:d9:1d:b3:f0:7c:fa:29:bd:b2:df:

83:55:df:d0:31:74:cb:58:8d:3e:dc:7b:56:16:21:23:7b:a0:

5a:6a:43:d6:5f:d1:44:17:d7:9b:aa:94:96:a1:10:8e:e0:96:

1a:fd:ef:f2:03:f0:2f:e3:a9:91:1f:bc:9e:dd:3f:80:6c:08:

35:1b:fc:58:93:b2:d7:77:07:df:e1:2e:f2:ea:2c:93:3a:ef:

98:9e:99:3e:17:b4:fd:33:29:a6:96:57:9f:53:67:ac:d5:b4:

6d:79:68:c2:aa:8a:84:4f:12:fc:a3:86:9a:54:88:0a:e1:6b:

f3:cc:ab:38:51:6f:7a:d1:e2:88:fb:29:62:5c:f8:a4:51:43:

fd:e3:60:e1:3c:e9:1b:1a:f0:41:eb:f2:01:03:cd:9a:17:82:

33:ae:e1:08:4c:e0:b5:b4:a8:6f:f1:c6:d9:df:5c:64:d1:32:

20:5b:69:8f:7c:08:5e:0b:b4:18:f3:78:aa:3f:fd:9d:27:d6:

0b:87:b1:52:61:a4:5b:ba

Filename: level5\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 14211656953276503294 (0xc539f2b3d1c194fe)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL4\_CA

Validity

Not Before: Jan 16 12:37:57 2017 GMT

Not After : Dec 23 12:37:57 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL5\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a9:15:4b:14:a7:c3:32:4d:37:c7:5f:30:d1:78:

90:62:b4:4e:62:f1:58:33:92:17:b6:e5:50:60:99:

53:d3:10:fe:f2:f5:aa:c9:24:3b:15:27:c9:05:64:

eb:40:46:b2:49:9d:9a:83:0d:26:e1:be:d2:ca:8d:

c7:0f:44:f1:f5:14:eb:ca:07:c4:36:d8:9a:fb:c4:

ac:0f:0f:ea:75:7a:a0:da:10:09:43:13:f7:5c:d9:

c3:71:60:16:53:87:0a:7a:dc:16:0f:40:b4:0c:e4:

de:9b:15:b4:53:dd:57:d7:6f:ea:b6:dc:93:f5:80:

d9:b7:97:61:04:57:05:e9:ff:62:89:e9:c2:e6:a5:

5f:4f:ac:64:35:06:8b:27:c1:29:73:04:b5:98:da:

39:83:88:a5:15:36:5d:2f:2d:d4:52:c5:71:e9:fd:

57:95:4f:26:aa:5a:0a:4b:4c:c9:e4:6f:ad:ca:56:

1c:5c:9a:22:d1:b8:b4:16:0f:16:25:86:cc:c9:5c:

60:eb:4b:72:42:61:00:c4:6e:4d:c6:c7:e8:4b:ad:

78:82:01:c5:90:12:65:ce:d0:26:59:c8:ff:cf:0d:

01:d9:84:73:7a:04:38:86:72:1b:57:e0:a3:d5:d0:

7c:ff:9b:a9:43:f8:81:ed:41:9d:d6:d5:1e:0a:7f:

2f:49

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

F4:21:30:AD:06:77:6E:E3:42:CF:13:B5:EE:1A:1A:90:D7:9E:47:E0

X509v3 Authority Key Identifier:

keyid:D8:72:BE:1F:10:EF:3B:27:11:EC:B0:EA:FA:93:19:4A:F9:F9:28:EC

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL3\_CA

serial:BF:DC:57:59:7D:1A:09:5E

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

39:13:6b:dd:b9:ea:c1:76:77:e9:90:27:11:ba:78:70:60:24:

b0:d4:8a:f8:d8:f0:bf:43:a6:a3:ac:4f:06:e4:b0:95:7a:b1:

b2:03:1a:f5:33:18:46:79:cd:4c:70:00:dd:ee:4a:c9:e5:e2:

64:78:36:b8:ab:88:14:72:d5:2b:2d:8b:0e:18:0e:f0:89:0a:

d0:e4:7b:86:b8:ce:63:d1:72:63:06:2c:1a:9e:a0:65:b3:bf:

f9:d8:2e:e3:4d:60:14:fa:8f:a2:6e:07:c5:c5:42:e6:40:f6:

f3:7d:5c:48:92:7d:5e:9d:cf:b8:bb:75:c2:79:80:83:e3:40:

77:79:ea:90:74:3a:87:a4:e9:b6:fa:70:f2:9b:1e:f3:2b:36:

c9:e3:9f:ec:e8:e1:40:b0:1d:91:94:1d:17:46:df:da:8d:63:

c3:52:89:f6:53:2b:bb:ce:25:23:81:69:95:33:e8:f3:80:b9:

0a:2c:41:9c:64:1a:70:52:57:72:de:da:74:b7:80:50:7b:9d:

ff:69:04:1d:04:49:2e:84:9b:04:bd:96:00:20:b8:b7:ef:de:

33:70:03:82:e6:dc:0c:8f:a8:b2:62:3e:65:04:05:82:11:7f:

e7:16:d7:34:e8:52:4b:4e:29:ff:22:2d:38:ed:0a:94:09:b6:

93:4d:18:38:43:35:c7:b0:d0:cf:96:82:71:6d:a9:31:68:69:

69:06:fd:42:00:94:f8:3c:45:73:9d:9d:cb:65:5e:24:50:e8:

5f:51:e2:7c:ce:65:68:a5:24:24:d6:87:7d:b4:b8:df:55:9f:

df:b6:86:e5:58:9a:67:06:72:87:fa:e7:b3:51:f3:b6:4c:be:

bd:85:10:65:a2:c6:5d:6f:7b:63:dd:61:56:2f:2d:5b:58:37:

9e:31:e0:5e:42:02:8e:a5:a3:eb:01:0f:24:94:96:fa:dc:f7:

ab:78:db:a2:59:08:15:0d:e3:c4:8b:38:1e:3e:09:56:fc:01:

16:43:db:40:db:e4:81:9a:fa:0f:c5:bb:0b:63:11:fd:54:6c:

d0:f6:e1:a6:8d:20:52:f3:53:7d:7c:23:84:2b:cf:62:7d:9a:

01:f6:07:ca:e9:5e:6e:74:0e:7a:cf:83:fe:da:49:00:80:87:

a0:67:d6:92:c2:84:e0:75:21:c3:fe:ee:f8:84:ba:80:eb:31:

da:78:99:99:28:c6:48:87:cd:d6:63:9b:99:6d:4e:f3:bb:0e:

a7:76:93:b4:14:f1:db:89:13:89:50:11:f4:6d:9e:3a:4f:b0:

dd:b7:cf:d4:60:86:49:9c:ad:5f:cd:85:00:ef:fe:d5:1b:26:

fb:28:ae:ac:2c:9c:d3:2a

Filename: level6\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 15513973868273959379 (0xd74cb509612981d3)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL5\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL6\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:c8:dd:c2:e8:69:d9:de:4d:bf:52:dd:a7:49:ef:

29:7d:6a:64:70:34:34:98:fa:3c:ff:24:89:b7:da:

db:6e:40:17:5d:47:6d:23:8a:c5:b3:a8:85:6a:df:

28:2c:a2:49:0f:58:2a:00:53:46:23:a7:47:9b:0a:

73:bd:b8:3d:81:b8:14:37:0d:67:e3:9e:8b:34:4c:

c3:d9:4c:38:aa:c0:5d:41:10:79:78:5a:ab:7c:68:

ae:ae:47:86:f8:e7:5d:68:65:ab:d8:fa:5b:36:be:

a0:ec:4c:44:b6:4f:b9:1e:06:15:b9:a4:1c:d5:3d:

2a:98:2e:e0:5c:c5:60:49:b9:06:84:f5:65:ae:f4:

eb:e6:40:72:fc:e6:e3:1f:97:bc:b4:d3:5f:c3:8e:

3b:9e:5e:38:0d:f9:43:1e:41:08:4f:35:74:91:d2:

79:ab:44:7c:bd:b8:c2:60:d9:7b:8b:02:08:c2:f9:

a3:a9:f9:87:cb:d4:9f:7a:e6:b5:a3:fa:19:d4:1d:

3c:45:27:60:79:f2:cb:b7:c4:ef:ad:7a:76:e9:46:

b1:fa:e3:04:ed:49:19:43:50:25:1f:14:ce:ec:55:

c3:db:db:1c:bf:cc:b1:3e:ea:d4:0d:13:86:f4:55:

b3:74:76:c2:18:ed:08:b3:e6:62:2d:1e:00:7d:8f:

aa:55

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

EE:25:A9:06:5C:D4:32:7E:F1:A9:F7:F4:78:0E:BF:A9:5E:73:F6:D1

X509v3 Authority Key Identifier:

keyid:F4:21:30:AD:06:77:6E:E3:42:CF:13:B5:EE:1A:1A:90:D7:9E:47:E0

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL4\_CA

serial:C5:39:F2:B3:D1:C1:94:FE

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

19:63:c5:87:11:da:5a:c4:20:40:9e:ad:ec:db:3f:04:71:c1:

6f:12:79:cd:bc:aa:bb:64:b9:ac:78:27:b1:03:42:e8:66:55:

b3:63:a6:df:40:a9:02:8c:59:48:4c:1e:8b:dd:da:38:fb:f2:

69:98:b1:96:e6:40:9f:ba:97:c1:16:4a:2f:53:48:ee:f0:74:

61:86:1a:83:5f:4b:20:9e:31:91:97:3a:9d:a6:6c:9a:ff:6b:

e5:50:89:a0:68:51:4e:81:8c:22:3e:af:67:91:44:41:9e:6e:

52:3d:fb:31:82:6d:e3:4d:a3:af:4d:e4:d2:c8:a6:b1:30:cc:

87:a0:f8:7b:5a:60:50:ab:43:27:88:be:5a:c7:ba:f6:e9:89:

e3:27:46:ed:ea:0b:1f:ec:7f:e9:15:e2:e9:4d:71:22:ee:72:

d3:5e:b2:6a:22:9c:3f:18:e2:80:d3:9d:62:48:b2:9e:ab:8e:

24:e2:cc:39:ac:69:61:94:f5:c2:95:69:46:83:d0:bf:ee:40:

df:dc:62:07:60:ad:72:5f:30:40:b5:2c:b6:e9:54:b9:e7:bd:

0f:e4:de:08:d8:a1:16:09:62:96:6c:db:46:eb:d2:04:df:85:

13:25:34:38:22:38:9b:3f:14:fe:69:29:3c:f8:5b:1f:d0:30:

76:36:6e:f9

Filename: level7\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 9448948375469256926 (0x8321687c1cd970de)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL6\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL7\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:cc:cc:c0:ee:cd:d3:5d:b9:33:7f:16:a6:c0:26:

c1:de:d6:5b:b7:7e:da:8b:a9:8c:b5:de:14:37:b6:

b8:95:4d:39:05:ff:58:ae:48:3c:64:35:ab:99:7c:

fd:cc:9c:1b:78:c9:59:49:73:5e:f8:82:1f:2b:63:

a3:6f:a2:98:15:63:c1:b2:f4:a6:91:ab:04:74:9f:

f5:72:9d:41:e3:ca:2a:ac:f1:18:fa:42:66:e1:bb:

7e:56:ae:0b:9a:69:47:20:77:e8:5f:a9:2f:d4:2b:

b5:4b:8f:6c:7f:d3:e2:4a:d9:2c:47:2b:b7:f2:8f:

62:d0:fe:7c:fe:d5:31:8f:93:2f:a8:82:37:31:07:

df:ea:47:72:f4:c2:29:1d:6c:ed:f6:02:04:bf:ba:

50:17:6c:74:a4:bd:90:5b:97:3e:a1:59:cc:af:89:

09:37:8b:b4:27:a6:63:df:46:14:24:b5:f4:c3:bf:

8c:29:42:93:a9:90:13:46:5c:2b:3b:42:42:39:59:

4c:e5:6c:1d:7f:98:67:22:39:6d:33:b9:77:be:8e:

32:8a:82:33:26:af:ed:8f:dc:63:6e:2c:b7:b1:cd:

2d:cf:84:5c:8b:0a:2b:c0:9e:dd:e4:b7:d2:28:d0:

07:2d:00:23:e0:64:f7:ed:dc:d1:71:1e:e8:78:bd:

98:03

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

DF:0B:8E:DF:FE:4D:E8:CF:DA:15:56:6A:1B:B5:54:83:46:DD:85:34

X509v3 Authority Key Identifier:

keyid:EE:25:A9:06:5C:D4:32:7E:F1:A9:F7:F4:78:0E:BF:A9:5E:73:F6:D1

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL5\_CA

serial:D7:4C:B5:09:61:29:81:D3

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

9a:3c:a0:26:1c:9d:c6:21:3c:b2:47:26:8e:b9:04:5d:6e:09:

23:60:31:81:05:be:8b:1a:8c:b0:0e:49:16:bc:e8:8b:78:b3:

fc:15:bf:83:fa:69:a7:49:bb:52:c0:47:9e:ff:b0:03:af:3f:

cb:8e:02:1d:02:a2:fa:7e:a0:07:34:8a:0e:db:d9:bd:f8:ef:

8f:2b:c6:6c:06:ca:d9:50:c5:35:ba:3a:f0:8a:56:06:6d:df:

c5:a6:ac:54:63:8e:2e:55:b1:99:ab:8b:8c:55:00:9c:64:21:

7b:cd:0a:09:8a:da:82:b0:38:5e:b5:a3:94:d8:8c:2a:d4:cf:

e8:95:10:c6:95:33:77:7e:2f:00:5e:e4:c1:c9:0e:fd:1e:10:

ae:d2:cc:19:9d:cd:61:24:7d:07:8c:b1:ac:3e:94:f6:84:5d:

7a:17:3b:ab:f2:3f:4e:82:33:e7:d8:12:6d:8b:96:bf:2b:0c:

74:ab:70:02:0e:e4:5c:7c:1d:e9:89:1b:a4:ab:3c:5a:b4:27:

f2:63:55:67:e5:61:02:fb:4a:4c:54:58:7e:0d:88:4c:24:f9:

a3:ab:5c:ba:ce:5d:ae:c9:16:20:62:e7:96:8c:c2:9d:ac:33:

36:fd:60:07:02:d8:86:17:19:80:f8:6d:58:57:19:ab:27:85:

2a:d5:2e:f7

Filename: level8\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 17363948687757669206 (0xf0f9235557e7f356)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL7\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:dd:41:f7:d4:5b:52:24:03:12:49:75:50:17:6e:

8c:99:00:2a:b6:97:39:d6:44:69:fc:19:08:dc:1f:

22:6b:cd:57:3c:19:1a:c8:d8:96:09:7f:1d:10:7f:

4e:92:27:30:35:78:76:03:e5:d7:0f:2b:4c:b4:25:

fc:5d:4b:a7:be:ee:8e:73:75:96:76:b2:ef:66:8b:

cb:52:68:47:8d:f8:a4:49:f3:a0:1a:92:18:2c:b3:

8f:fb:a4:9e:9e:34:1d:b5:fe:fd:83:03:d2:12:03:

1d:2a:86:ff:62:e8:1f:aa:4a:cf:61:4c:d2:7d:77:

a8:ba:3d:ee:ee:4c:5c:bc:2e:35:08:1b:4c:61:e4:

70:49:d0:40:d4:49:80:12:e2:e5:6b:c6:52:a4:20:

15:3c:d0:52:e3:e5:03:f7:e7:c5:c5:01:ca:9a:93:

79:57:45:37:ed:c0:bf:12:e5:dc:ea:4b:3e:63:82:

d4:39:5a:d5:8e:0c:4f:8e:02:07:be:f9:79:93:18:

07:bb:71:7f:d8:4e:9e:25:3a:dc:ed:99:10:b5:35:

40:e4:d6:60:9c:66:d0:1a:b0:7a:37:04:23:b1:3e:

9f:cd:d0:72:9f:25:49:86:67:d7:cb:bb:d5:f6:62:

d7:f1:63:19:e7:b1:7b:2d:dd:09:f0:44:96:f8:c5:

20:a7

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

X509v3 Authority Key Identifier:

keyid:DF:0B:8E:DF:FE:4D:E8:CF:DA:15:56:6A:1B:B5:54:83:46:DD:85:34

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL6\_CA

serial:83:21:68:7C:1C:D9:70:DE

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

41:0e:e2:c0:f9:c1:31:69:68:a7:d0:d1:ab:9e:21:7a:61:a0:

f1:e7:b4:c9:cb:2b:eb:92:a9:f4:75:1e:e5:7a:19:6e:69:28:

42:e8:a8:79:19:7a:6b:3a:37:74:4a:56:38:d7:ce:d6:53:8c:

ba:95:14:29:bb:87:2a:37:93:4b:ce:ad:84:c9:53:83:21:a2:

7a:40:f5:dd:4c:76:77:9e:6b:e9:34:8e:e8:f4:74:d3:88:a1:

d2:70:c2:4a:d3:74:bd:ce:70:1b:25:50:48:97:e0:aa:04:b8:

8f:5a:06:29:e2:4d:34:19:68:5d:2c:54:6b:65:12:17:62:a2:

30:e0:27:a0:43:ee:1e:0a:9a:98:28:4b:0e:4c:5b:5f:87:84:

ce:7d:2c:f4:d2:c8:74:9a:08:6a:75:fc:22:20:d4:99:ff:d1:

6e:96:92:83:9b:a1:ae:be:88:3b:dd:8f:7f:16:bc:3c:c7:fd:

80:20:6a:da:51:81:b1:20:98:5d:bc:64:ce:45:c6:8d:1d:67:

df:92:16:39:51:f8:f3:ac:78:c5:32:f1:63:ed:28:86:ff:3c:

a3:81:6b:66:0b:46:07:f5:1e:e2:df:31:46:2e:e4:2e:73:02:

7c:51:ce:4b:22:5b:63:d6:9b:ba:5a:b5:e0:4d:69:7f:45:4f:

55:b5:db:e7

Filename: level9\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 13141073029690217851 (0xb65e784bce26d57b)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Validity

Not Before: Jan 16 12:53:43 2017 GMT

Not After : Dec 23 12:53:43 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL9\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:ee:c7:d2:a1:91:3f:ef:6b:da:2a:df:37:cb:e3:

81:89:3b:6e:fc:c8:16:1f:94:9f:74:e1:c3:64:77:

0c:9d:60:35:2b:04:e5:f8:0f:c5:fe:b8:51:5f:45:

7b:fa:9e:ed:43:7a:bb:d4:62:8d:26:52:4c:82:19:

84:ba:a0:52:65:62:c8:98:f5:c4:61:f8:6f:b2:c8:

05:68:34:62:a5:d5:12:8c:d0:09:3e:42:42:97:84:

cb:c7:24:4e:51:23:0d:2c:ee:26:52:9f:73:49:75:

08:36:14:13:b1:9f:d4:be:dd:d4:cf:8a:dc:c4:34:

5d:1d:b2:8e:68:78:3c:d6:a0:11:c7:e1:cc:35:85:

e3:91:4c:43:12:41:d6:39:44:f1:de:d0:75:dc:e1:

bb:42:83:14:64:37:99:90:14:88:e7:2a:64:92:2b:

c8:fc:1c:2a:67:09:ec:93:cc:f5:77:fc:b5:59:a5:

51:a5:53:90:0e:a3:59:16:d1:bb:1c:6d:4b:78:c4:

60:d2:f1:27:ea:74:47:db:e4:a9:07:63:aa:db:26:

51:aa:9b:59:28:6c:43:90:71:a3:2f:69:19:1c:02:

aa:23:da:0c:81:c4:62:d6:d3:67:59:f5:d2:3f:84:

b6:87:d5:9a:1b:5e:29:85:84:f5:0e:86:d7:6c:d3:

5a:4d

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

73:78:EF:00:20:44:54:4D:FE:00:26:FA:24:91:29:D9:A8:02:B7:25

X509v3 Authority Key Identifier:

keyid:75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL7\_CA

serial:F0:F9:23:55:57:E7:F3:56

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

25:26:44:4e:61:a9:60:ee:52:ae:0c:92:b5:7c:4c:22:03:23:

4a:53:b1:b9:45:40:af:0e:96:c8:9a:2c:d1:9c:14:91:52:5a:

2a:22:6f:a8:30:67:28:85:b2:68:e0:1e:dc:b2:fd:d0:fb:84:

d7:ff:90:2b:d4:a5:de:28:11:7e:26:fc:e6:62:92:d3:c0:b1:

3b:0e:cd:db:36:9a:29:29:5c:e9:a2:f3:25:52:0b:e7:61:07:

87:46:e8:4c:86:51:73:ff:cb:e0:65:03:a3:41:18:4d:18:78:

a8:25:91:67:49:33:33:59:02:1f:7a:1f:59:d3:c2:2b:e9:97:

e4:da:ed:a1:8d:1d:ca:96:4c:47:73:77:15:06:4a:5e:64:f1:

f2:30:9b:af:5a:90:4c:1c:80:6c:eb:68:06:fa:b9:84:75:d6:

e9:e8:40:63:bb:d6:14:2c:21:e7:eb:ca:1d:ed:3f:3e:7c:55:

00:73:0c:29:2c:d6:93:5c:6a:2d:51:74:82:20:e4:86:56:02:

db:e0:ec:94:19:d6:8e:2e:9e:af:6a:41:d6:e1:13:9e:fa:06:

d8:b6:3d:89:a8:83:13:a2:41:f6:1d:d3:50:a1:f4:f7:69:38:

ef:9e:2d:e9:84:23:ee:1b:62:a4:ad:f7:62:e7:61:50:2c:6c:

90:fd:99:23

Filename: root\_ca-rsa.crt

Certificate: Yes

Private Key: No

Private Key Password: No

Version: 3 (0x2)

Serial Number: 11287093501119505046 (0x9ca3cfbcd8d92296)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Validity

Not Before: Jul 5 15:22:16 2012 GMT

Not After : Jul 3 15:22:16 2022 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=ROOT\_CA

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:d6:55:3d:40:fe:f9:98:dd:50:e8:72:05:bd:95:

b6:bb:26:f7:7c:2c:6d:d8:8d:95:b8:cf:1f:2d:90:

a0:9e:f5:5c:38:0d:49:02:f1:d4:64:9d:7b:e9:0b:

7d:97:72:ee:52:02:2e:f1:af:bc:3f:98:b3:1c:43:

42:8e:35:f2:13:1c:bb:6f:7e:8e:a9:78:ae:de:47:

c5:d3:40:69:75:d7:e5:0f:03:8e:14:00:d5:47:15:

f7:e0:b3:c2:01:c2:93:28:9a:f0:f9:4d:54:31:1d:

7a:90:df:8c:0a:2f:a9:88:ba:0a:e4:76:87:a4:57:

fb:f2:14:40:8c:46:88:f6:11

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

X509v3 Authority Key Identifier:

keyid:E5:F4:1B:A3:15:DE:6E:08:E3:D6:27:5F:55:E0:64:E4:A1:66:2A:38

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=ROOT\_CA

serial:9C:A3:CF:BC:D8:D9:22:96

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

85:c3:dd:f8:7a:51:9e:e9:62:f8:54:ad:0e:8b:0f:41:48:c6:

57:15:f7:f0:26:e8:e0:fd:a8:5f:cf:97:4b:2a:ef:af:b7:bc:

c3:3a:2a:9b:66:cd:48:46:c7:db:ff:e7:89:b6:b3:33:60:df:

b0:4a:24:5c:4c:ba:2f:da:05:d3:4e:32:4e:dd:af:a9:c7:61:

34:c3:35:9c:06:5c:aa:37:46:d6:e2:5a:36:b1:e7:6e:b7:a6:

dd:4e:bb:b5:dc:9b:37:73:73:80:89:f9:b4:76:64:ed:51:67:

84:c6:a8:f7:24:1e:39:6b:9b:03:b3:ba:f6:63:fa:1f:56:53:

89:29

Filename: depth8-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 13141073029690217852 (0xb65e784bce26d57c)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL8\_CA

Validity

Not Before: Jan 16 19:45:10 2017 GMT

Not After : Dec 23 19:45:10 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-depth8

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a9:9b:64:b0:d5:85:80:fb:54:8a:74:78:5e:88:

dc:54:7a:9a:a5:7a:32:68:c4:11:09:aa:d7:41:e0:

f9:15:16:24:9d:bf:78:40:f4:26:20:88:43:08:4f:

d3:2f:d9:e5:2b:c0:e8:f0:79:68:2f:d2:c5:fb:51:

c3:22:71:86:5e:a7:17:e3:e2:c9:6a:2e:81:28:ba:

dc:6d:ad:f6:ea:4d:53:36:d5:6d:11:90:e5:b7:64:

6e:17:62:01:87:f5:ea:43:94:44:34:63:a6:b2:2a:

8d:25:76:51:d9:aa:15:67:02:ac:65:43:35:b4:4d:

97:e2:49:43:76:01:0c:57:36:4e:de:81:2e:cc:1d:

e7:58:03:20:af:b0:7d:cc:65:5d:2c:79:ed:58:96:

e4:a7:38:73:7e:af:0b:81:a3:de:7c:72:18:97:be:

34:c3:bc:1c:07:92:2f:f2:a1:1f:14:cd:a6:7f:31:

2f:89:5a:6d:df:19:15:ca:fa:06:b0:46:9b:db:91:

ab:39:0a:30:4a:bb:9c:71:d0:4d:01:ae:84:5b:b4:

a8:5b:c7:1c:b2:f2:e3:7f:f5:a1:ca:5c:f5:9e:a4:

21:e4:5e:b0:cc:db:20:f9:45:92:f3:c5:a2:2e:a9:

69:b7:72:da:27:65:6f:60:83:fa:83:6c:56:65:7a:

94:79

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

42:DF:53:C0:7E:D7:57:5C:62:05:7E:63:3D:6D:61:85:49:D5:72:1E

X509v3 Authority Key Identifier:

keyid:75:70:F2:10:30:82:5C:0D:D0:AA:38:C0:3F:63:42:FE:42:91:0F:F5

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL7\_CA

serial:F0:F9:23:55:57:E7:F3:56

Signature Algorithm: sha1WithRSAEncryption

06:fe:a1:04:c8:43:73:09:4d:43:8f:41:29:da:38:41:62:78:

32:f6:a9:eb:a9:3f:0e:32:71:ca:41:a7:5a:ea:82:f1:77:60:

cb:a8:7c:b9:1c:44:f6:b2:2e:12:2d:ac:ca:0c:ce:98:6f:2b:

5f:1c:2c:7f:8d:d4:8a:35:5f:ef:20:e3:9b:fb:99:81:92:bb:

55:dc:ba:a9:f5:4c:49:45:29:2d:0c:47:d7:8b:c6:8c:de:12:

d4:53:e1:ec:f4:dd:37:1b:84:18:74:1f:19:aa:2e:6c:df:f8:

bb:6c:52:98:d7:bc:35:44:1c:3d:ad:17:05:e9:b2:9d:fc:ee:

b1:5b:3f:c0:a4:e5:07:dd:a0:d1:b3:41:7b:38:a3:d0:2f:3e:

71:d6:74:9a:fa:ae:8e:78:d3:73:24:1a:8e:62:a2:23:38:f3:

d8:0d:9b:b8:67:61:61:1f:40:60:e5:94:dc:47:e3:b0:7c:d7:

10:87:6d:df:29:a0:7c:6c:64:4c:d8:fe:d5:c1:d5:e8:8d:61:

88:2b:b7:06:e3:ab:78:20:88:56:62:2d:7d:f7:3f:79:54:2c:

5e:81:2b:93:93:1d:5d:13:e6:72:b0:19:ea:f8:03:43:05:01:

15:6f:03:b1:48:19:9b:56:02:f4:c2:fe:fb:73:25:1a:65:5e:

74:3c:3b:dd

Filename: depth9-rsa.pem

Certificate: Yes

Private Key: Yes

Private Key Password: No

Version: 3 (0x2)

Serial Number: 12958910116263616396 (0xb3d74c176c1bdf8c)

Signature Algorithm: sha1WithRSAEncryption

Issuer:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps

CN=LEVEL9\_CA

Validity

Not Before: Jan 16 19:45:50 2017 GMT

Not After : Dec 23 19:45:50 2116 GMT

Subject:

C=CA

ST=Ontario

L=Kanata

O=Solace

OU=Apps-depth9

CN=client1

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:da:19:2a:f4:a6:46:e0:39:59:11:5c:33:20:2b:

72:45:42:6b:03:46:49:3d:8f:b2:12:b7:cd:da:8d:

b5:ad:8f:ad:ef:34:d9:a0:e5:8e:3f:83:3b:c4:17:

c1:c7:a1:e4:2a:82:d6:da:ae:2b:24:ac:f1:02:38:

07:8e:c3:5a:22:89:4f:34:65:de:55:9a:4c:3d:25:

2d:de:6e:de:cf:f3:6f:98:d9:ec:64:94:66:28:43:

03:62:9e:3e:9d:74:19:4b:ce:b9:03:ca:5b:ee:9f:

96:4d:08:c3:cc:38:b9:3f:93:fd:92:4e:36:a6:d9:

7a:64:a4:e8:32:ef:fe:8f:60:b4:5c:e9:b1:c7:68:

26:cd:88:00:e9:41:af:70:1d:c8:54:6d:c5:33:c0:

34:86:3c:54:58:be:80:22:3d:bf:5d:e6:7d:e4:5d:

06:a7:37:7b:c9:02:52:d6:02:df:cb:0d:62:6f:3b:

d8:d1:78:55:14:df:51:24:ff:9c:41:03:52:d1:a1:

94:3c:38:a2:5a:22:5c:2c:09:1e:59:d4:eb:5f:77:

f1:e9:9d:00:7d:5f:6d:49:e2:c6:65:85:6a:ae:94:

d4:cd:b4:12:af:30:50:54:db:fa:35:20:eb:f4:28:

c2:21:9d:31:2a:86:82:80:ce:c0:b3:85:9e:b7:a5:

39:75

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

44:29:CA:AC:38:31:BC:D6:D4:8C:59:1E:37:6F:29:D8:E9:73:83:B3

X509v3 Authority Key Identifier:

keyid:73:78:EF:00:20:44:54:4D:FE:00:26:FA:24:91:29:D9:A8:02:B7:25

DirName:/C=CA/ST=Ontario/L=Kanata/O=Solace/OU=Apps/CN=LEVEL8\_CA

serial:B6:5E:78:4B:CE:26:D5:7B

Signature Algorithm: sha1WithRSAEncryption

18:83:ca:c1:6c:a7:f3:3e:50:cd:62:85:fe:83:e5:6b:34:16:

c2:f4:13:e3:66:17:f3:eb:dd:fe:78:78:06:a2:77:11:a0:bf:

a8:6d:a5:53:e4:10:29:dc:3a:62:eb:43:2c:73:a7:dc:e8:1d:

ca:bb:3b:2a:1f:44:a4:8c:ce:f4:d6:be:8e:24:ad:4e:5c:a9:

ac:07:4b:ea:fe:41:49:9b:8b:85:1c:cc:df:f8:88:49:7f:35:

77:28:f0:c8:54:55:14:33:3d:2e:51:3a:9e:e9:64:40:6c:95:

91:74:56:cc:7e:62:4e:0e:fa:70:71:77:38:71:0a:cb:81:12:

c3:ed:17:1d:7a:d8:56:d8:6b:97:e6:a1:71:f6:cb:06:3c:39:

03:a8:c2:3b:2b:52:c6:1f:18:4c:88:48:f7:0f:e8:38:8c:ef:

4b:87:ca:6b:67:79:dc:e4:3b:0e:29:00:fd:fb:e8:ba:14:7d:

55:21:90:65:f2:94:0a:02:d8:12:aa:71:df:86:20:97:ed:e2:

3e:25:27:9f:c8:8f:59:a8:e8:3a:49:a2:5f:e6:f5:65:a4:33:

63:c8:cb:87:1a:f0:e4:66:3c:0b:17:3b:62:f4:f9:bd:04:e6:

ac:bb:66:be:82:27:a4:3f:34:72:b2:3b:88:64:eb:6e:c9:54:

e7:5c:58:fd

**show ssl cipher-suite-list**

COMMAND:

ssl cipher-suite-list {default}

DESCRIPTION:

Show the preconfigured cipher suite lists.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

default - Show the default cipher suite list.

solace> show ssl cipher-suite-list default

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

AES256-GCM-SHA384

AES256-SHA256

AES256-SHA

ECDHE-RSA-DES-CBC3-SHA

DES-CBC3-SHA

ECDHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

AES128-GCM-SHA256

AES128-SHA256

AES128-SHA

**show ssl server-certificate**

COMMAND:

ssl server-certificate [detail]

DESCRIPTION:

Show the appliance's configured SSL certificate

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

detail - Show detailed information on configured certificate

solace> show ssl server-certificate

Filename: mycert.pem

Configured at: Mar 30 2017 15:22:53 EDT

solace> show ssl server-certificate detail

Filename: mycert.pem

Configured at: Mar 30 2017 15:22:53 EDT

Version: 3 (0x2)

Serial Number: 12132645341674646070 (0xa85fd0a82050aa36)

Signature Algorithm: md5WithRSAEncryption

Issuer:

C=CA

ST=Ontaria

L=Ottawa

O=Solace Systems

OU=Application

CN=a28

emailAddress=liang.chen@solacesystems.com

Validity

Not Before: Jun 20 15:18:07 2012 GMT

Not After : Jun 21 15:18:07 2022 GMT

Subject:

C=CA

ST=Ontaria

L=Ottawa

O=Solace Systems

OU=Application

CN=a28

emailAddress=liang.chen@solacesystems.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (1024 bit)

Modulus:

00:f7:85:1e:6d:6d:82:d9:14:a4:05:b3:37:f6:d5:

05:b1:b3:32:9e:c0:f9:29:47:0d:aa:32:33:27:a4:

ff:63:2c:8d:bb:65:6c:91:cb:3e:d3:51:55:bd:f3:

d3:47:a8:c9:61:a0:55:63:30:15:e6:9d:5d:43:cd:

d2:ca:c5:3c:d5:15:db:50:94:f6:21:b2:38:66:b2:

f1:99:95:5d:39:f8:25:2b:b1:5f:cc:38:04:16:d6:

3e:a7:cc:52:3c:7e:8c:b7:cb:2d:5d:b6:81:f6:ed:

1a:5c:b3:d4:8c:35:61:e6:95:86:99:f9:61:71:ea:

8b:77:5e:b8:4d:8e:28:c9:73

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

02:CD:F4:3A:87:82:CC:59:06:09:7C:0E:07:76:7C:F3:0E:4C:79:D8

X509v3 Authority Key Identifier:

keyid:02:CD:F4:3A:87:82:CC:59:06:09:7C:0E:07:76:7C:F3:0E:4C:79:D8

DirName:/C=CA/ST=Ontaria/L=Ottawa/O=Solace Systems/OU=Application/CN=a28/emailAddress=liang.chen@solacesystems.com

serial:A8:5F:D0:A8:20:50:AA:36

X509v3 Basic Constraints:

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

c5:1e:34:8b:c2:b3:e1:6b:e9:08:45:39:fc:94:7a:3a:8d:86:

db:3d:a1:6c:74:d0:73:57:00:95:c7:6a:1f:16:03:32:4e:b1:

82:bb:b7:34:a7:69:3f:de:85:df:8d:f6:15:01:0f:f8:0a:4e:

1f:1f:de:c2:49:de:80:f7:c5:e3:6d:7f:fd:a5:f6:85:83:0e:

f7:cc:ce:2e:c9:ad:6b:37:ae:07:4c:99:f2:c7:87:08:7a:f9:

a7:08:a0:39:47:66:b3:78:f0:0b:79:f2:e2:b5:39:39:d1:01:

da:16:a4:86:83:33:48:82:4b:99:d1:b0:0b:65:d8:83:a6:03:

35:70

**show ssl supported-cipher-suites**

COMMAND:

ssl supported-cipher-suites

DESCRIPTION:

Show the cipher suites supported by the appliance.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show ssl supported-cipher-suites

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

AES256-GCM-SHA384

AES256-SHA256

AES256-SHA

ECDHE-RSA-DES-CBC3-SHA

DES-CBC3-SHA

ECDHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

AES128-GCM-SHA256

AES128-SHA256

AES128-SHA

**show ssl tls-session-timeout**

COMMAND:

ssl tls-session-timeout

DESCRIPTION:

Show the appliance's tls-session-timeout in seconds

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show ssl tls-session-timeout

Tls Session Timeout (secs): 1

**show stats client**

COMMAND:

stats client [detail]

DESCRIPTION:

Show aggregate client statistics

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

detail - Show detailed stats information

solace> show stats client

Total Clients: 120

Total Clients Connected: 115

Received Sent

-------------------- --------------------

Total Client Messages 5908 5607

Client Data Messages 60 0

Persistent 0 0

Non-persistent 0 0

Direct 60 0

Client Control Messages 5848 5607

Total Client Bytes 123655 150665

Client Data Bytes 16106 0

Persistent 0 0

Non-persistent 0 0

Direct 16106 0

Client Control Bytes 107549 150665

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (60 sec interval) 94 0

Total Ingress Discards 60

Total Egress Discards 0

**show stats neighbor**

COMMAND:

stats neighbor [detail]

DESCRIPTION:

Show aggregate neighbor statistics

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

detail - Show detailed stats information

solace> show stats neighbor

Total Neighbors : 1

Received Sent

-------------------- --------------------

Total Messages 0 0

Control Messages 0 0

Data Messages 0 0

Total Bytes 0 0

Control Bytes 0 0

Data Bytes 0 0

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (last 60 sec) 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (last 60 sec) 0 0

Total Ingress Discards 0

Total Egress Discards 0

solace> show stats neighbor detail

Total Neighbors : 1

Compressed Data : 0

Non-compressed Data : 0

SSL Data : 1

Received Sent

-------------------- --------------------

Total Messages 0 0

Control Messages 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Messages 0 0

Total Bytes 0 0

Control Bytes 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Bytes 0 0

Ingress (msg/sec) Egress (msg/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

Avg. Rate (last 60 sec) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

Avg. Rate (last 60 sec) 0 0

Control Rate 0 0

Ctrl-CSPF 0 0

Ctrl-SMRP 0 0

Data Rate 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Compression/Decompression Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Compressed Bytes 0 0

Uncompressed Bytes 0 0

Compression Ratios 0.00 0.00

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SSL Statistics \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Received Sent

-------------------- --------------------

Bytes 0 0

Ingress (bytes/sec) Egress (bytes/sec)

-------------------- --------------------

Current Rate (1 sec sample) 0 0

Avg. Rate (last 60 sec) 0 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ingress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Ingress Discards 0

No Subscription Match 0

TTL Exceeded 0

Forwarding Loop Suppression - Unexpected source router 0

Forwarding Loop Suppression - Unexpected previous hop 0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Egress Discards \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Egress Discards 0

Data Transmit Congestion 0

Data Compression Transmit Congestion 0

**show stats ssl**

COMMAND:

stats ssl

DESCRIPTION:

Show global SSL statistics

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

OUTPUT:

show stats ssl Connections Accepted - The total number of SSL connections that completed the SSL handshake. Note that this also includes connections that are later rejected for other reasons, such as client certificate validation failures, client authentication failures or VPN shutdown. Connections Rejected - The aggregate number of connections that were rejected for reasons to do with the SSL handshake. Unsupported Cipher Suite - The number of connections rejected due to the client requesting an unsupported cipher suite. SSL not operational - The number of connections rejected because SSL is not in the operational state. Other failure - The number of connections rejected for all other reasons. For example, unexpected data framing within the encrypted data stream.

solace> show stats ssl

Active Client Connections: 0

Incoming Connections: 0

Serivce Web Transport: 0

Service SMF: 0

Service REST: 0

Service MQTT: 0

Outgoing Connections: 0

Service SMF: 0

Service REST: 0

Active TCP Connections: 0

Too Many TCP Connections: 0

Incoming:

Connections Accepted: 0

Connections Rejected: 0

Peer certificate verification failed: 0

Unsupported Cipher Suite: 0

SSL not operational: 0

Other failure: 0

Outgoing:

Connections Established: 0

Connections Failed: 0

Peer certificate verification failed: 0

Other failure: 0

**show syslog**

COMMAND:

syslog [<name>]

DESCRIPTION:

Show the configured syslog destinations

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [string] - Syslog destination definition name

solace> show syslog

Status: Up

------------------------------------------------

Name: command

Facilities: command

Files

command.log

Hosts Transport

------------------------------------------------

Name: commandsyslog

Facilities: command

Files

Hosts Transport

1.2.3.4 UDP

------------------------------------------------

Name: debug

Facilities: debug

Files

debug.log

Hosts Transport

------------------------------------------------

Name: event

Facilities: event

Files

event.log

Hosts Transport

------------------------------------------------

Name: eventsyslog

Facilities: event

Files

Hosts Transport

some.longer.than.normal.domain.name.com:5678 TCP

------------------------------------------------

Name: system

Facilities: system

Files

system.log

Hosts Transport

------------------------------------------------

Name: testsyslog

Facilities:

Files

Hosts Transport

solace> show syslog testsyslog

Status: Up

------------------------------------------------

Name: testsyslog

Facilities:

Files

Hosts Transport

**show topic-endpoint**

COMMAND:

topic-endpoint <name> [message-vpn <vpn-name>] [stats | messages [oldest | newest] [msg-id <msg-id>] | topics | rates | sort-by-messages-spooled | sort-by-unacked-messages-spooled | dead-message-queue <dmq-filter> [dmq-list]] [durable | non-durable] [detail] [flow <flow-id>] [count <num-elements>]

DESCRIPTION:

Show topic-endpoint information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<name> [string] - Topic-endpoint name; may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? stats - Show topic-endpoint statistics messages - Show message spool messages oldest - Show message spool ordered from oldest to newest messages newest - Show message spool ordered from newest to oldest messages msg-id <msg-id> [1..18446744073709551615] - Show message spool starting from this msg-id topics - Show topics associated with the topic-endpoint rates - Show rates associated with the topic-endpoint sort-by-messages-spooled - Sort the output in descending order of number of messages spooled sort-by-unacked-messages-spooled - Sort the output in descending order of number of messages spooled dead-message-queue <dmq-filter> [1..200 chars] - Shows only those topic-endpoints that use <dmq-filter> as their dead-message queue; may contain wildcards dmq-list - Show the topic-endpoints associated with the dead-message-queue durable - Show durable topic-endpoint only non-durable - Show non-durable topic-endpoint only detail - Show detailed information flow <flow-id> [0..4294967295] - Flow id to be displayed count <num-elements> [1..4294967295] - The number of elements to display.

solace> show topic-endpoint testdte message-vpn blue detail

Name : testdte

Message VPN : blue

Durability : Durable

Id : 2144

Type : Primary

Admin Ingress : Down

Admin Egress : Down

Access Type : Exclusive

Topic :

Selector :

Owner :

Created by mgmt : Yes

All Others Permission : No-Access (0000)

Quota (MB) : 4000

Respect TTL : No

Max TTL (Seconds) : 0 (Disabled)

Reject Msg to Sender on Discard : No

Including When Shutdown : N/A

Bind Time Forwarding Mode : Store-And-Forward

Current Messages Spooled : 0

Current Spool Usage (MB) : 0.0000

High Water Mark (MB) : 0.0000

Total Delivered Unacked Msgs : 0

Max Delivered Unacked Msgs Per Flow : 10000

Total Acknowledgments In-Progress : 0

Max Redelivery : 0

Consumer Ack Propagation : Yes

Reject Low-Priority-Msg : No

Reject Low-Priority-Msg Limit : 0

Low-Priority-Msg Congestion State : Disabled

Oldest Msg Id in Spool : N/A

Newest Msg Id in Spool : N/A

Max Msg Size Allowed (B) : 10000000

Bind Count : 0

Max Bind Count : 1

Network Topic :

Ingress Selector Present : No

Dead Message Queue : #DEAD\_MSG\_QUEUE

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Spool usage (MB) 80%(3200) 60%(2400)

Reject Low-Priority-Msg Limit 80%(0) 60%(0)

solace> show topic-endpoint testdte message-vpn blue rates detail

Topic-endpoint Name Ingress Egress

Message VPN bytes/sec msg/sec bytes/sec msg/sec

------------------------------------- ----------- -------- ----------- --------

testdte

blue

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

-------------------------------------------------------------------------------

TOTAL

Current Rate (1 sec sample) 0 0 0 0

Avg. Rate (60 sec interval) 0 0 0 0

solace> show topic-endpoint testdte message-vpn blue stats detail

Name: testdte

Message VPN: blue

Message Spool Statistics (since reload/clear)

Last Message Id Spooled: 0

Low Message Id Ack Rcv: 0

High Message Id Ack Rcv: 0

Messages Redelivered: 0

Bytes Spooled: 0

Messages Spooled: 0

Ingress Spool Discard Statistics

Spool Usage Exceeded: 0

Max. Message Size Exceeded: 0

Spool Shutdown Discard: 0

User Profile Deny Guaranteed: 0

No Local Delivery Discard: 0

Destination Group Error: 0

Low-Priority-Msg Congestion Discard: 0

Egress Spool Discard Statistics

Messages Deleted: 0

Messages Expired To Discard: 0

Messages Expired To DMQ: 0

Messages Expired To DMQ Failed: 0

Max Redelivery Exceeded To Discard: 0

Max Redelivery Exceeded To DMQ: 0

Max Redelivery Exceeded To DMQ Failed: 0

TTL Exceeded To Discard: 0

Replication Statistics

Active Statistics

Ack Propagation Messages Sent: 0

Standby Statistics

Messages Received From Active: 0

Messages Acked Via Ack Propagation: 0

Ack Propagation Messages Received: 0

Egress Flow Statistics

No Active Egress Flow

Client Bind Statistics

Client Bind Requests: 0

Client Bind Responses: 0

OK: 0

Already Bound: 0

Exceeded Clients: 0

Queue/TE Shutdown: 0

Invalid Selector: 0

Other: 0

solace> show topic-endpoint testdte message-vpn blue topics detail

Name : testdte

Message VPN : blue

Durability : Durable

Id : 2144

Type : Primary

Admin Ingress : Down

Admin Egress : Down

Access Type : Exclusive

Topic :

Selector :

Owner :

Created by mgmt : Yes

All Others Permission : No-Access (0000)

Quota (MB) : 4000

Respect TTL : No

Max TTL (Seconds) : 0 (Disabled)

Reject Msg to Sender on Discard : No

Including When Shutdown : N/A

Bind Time Forwarding Mode : Store-And-Forward

Current Messages Spooled : 0

Current Spool Usage (MB) : 0.0000

High Water Mark (MB) : 0.0000

Total Delivered Unacked Msgs : 0

Max Delivered Unacked Msgs Per Flow : 10000

Total Acknowledgments In-Progress : 0

Max Redelivery : 0

Consumer Ack Propagation : Yes

Reject Low-Priority-Msg : No

Reject Low-Priority-Msg Limit : 0

Low-Priority-Msg Congestion State : Disabled

Oldest Msg Id in Spool : N/A

Newest Msg Id in Spool : N/A

Max Msg Size Allowed (B) : 10000000

Bind Count : 0

Max Bind Count : 1

Network Topic :

Ingress Selector Present : No

Dead Message Queue : #DEAD\_MSG\_QUEUE

Event Threshold Set Value Clear Value

---------------------------------- ---------------- ----------------

Spool usage (MB) 80%(3200) 60%(2400)

Reject Low-Priority-Msg Limit 80%(0) 60%(0)

**show transaction**

COMMAND:

transaction [xid <xid>] [message-vpn <vpn-name>] [state <transaction-state>] [replicated] [detail | sort-by-last-state-change | sort-by-messages-spooled] [ count <num-elements>]

DESCRIPTION:

Show transaction information

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

vpn/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

xid <xid> [1..266 chars] - XID for a distributed transaction, may contain wildcards \* or ? message-vpn <vpn-name> [1..32 chars] - Message VPN name; may contain wildcards \* or ? state <transaction-state> [string] - Transaction state, may contain wildcards \* or ? replicated - Show only replicated transactions detail - Show detailed information sort-by-last-state-change - Sort the output in descending order of time since last state change sort-by-messages-spooled - Sort the output in descending order of number of messages spooled count <num-elements> [1..4294967295] - The number of elements to display.

OUTPUT:

show transaction Session - This is a unique name for the associated transacted session if there is one. If there is no associated session, then this field is N/A. Session Id - This is a unique identifier for the associated transacted session if there is one. If there is no associated session, then this field is N/A. Idle Timeout - The number of seconds before an idle transaction may be automatically rolled back and freed. Type - The type of transaction (XA or Local). State - The state of the transaction: Active - the transaction is associated to a transacted-session. Suspended - the transaction is associated to a transacted-session but is suspended. Idle - the transaction is not associated to any transacted-session and will be rolled back if not prepared, committed or rolled back within the idle-timeout period. Prepared - the transaction is prepared and ready for a commit or rollback request. Complete - the transaction is heuristically completed. Last State Change - The elapsed time since the last state change. This does not include a status change from in-progress to complete, but only the time since entering the state.

solace> show transaction

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction detail

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

Client Id: 117

Client Username: adUser\_1000001

Session: e77b2101eaa04f23a81f84641d25b6ca

Session Id: 0

Idle Timeout: 180

Type: XA

State: ACTIVE

Replicated: No

Last State Change: 0d 0h 0m 52s

Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction detail count 1

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

Client Id: 117

Client Username: adUser\_1000001

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Session Id: 0

Idle Timeout: 180

Type: XA

State: ACTIVE

Replicated: No

Last State Change: 0d 0h 0m 52s

Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction sort-by-last-state-change

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction sort-by-last-state-change count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 53s 0

solace> show transaction state \*

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction state \* count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction state \* detail

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

Client Id: 117

Client Username: adUser\_1000001

Session: e77b2101eaa04f23a81f84641d25b6ca

Session Id: 0

Idle Timeout: 180

Type: XA

State: ACTIVE

Replicated: No

Last State Change: 0d 0h 0m 52s

Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction state \* detail count 1

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

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Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction state \* sort-by-last-state-change

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction state \* sort-by-last-state-change count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 53s 0

solace> show transaction xid \*

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction xid \* count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction xid \* detail

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

Client Id: 117

Client Username: adUser\_1000001

Session: e77b2101eaa04f23a81f84641d25b6ca

Session Id: 0

Idle Timeout: 180

Type: XA

State: ACTIVE

Replicated: No

Last State Change: 0d 0h 0m 52s

Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction xid \* detail count 1

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

Client Id: 117

Client Username: adUser\_1000001

Session: e77b2101eaa04f23a81f84641d25b6ca

Session Id: 0

Idle Timeout: 180

Type: XA

State: ACTIVE

Replicated: No

Last State Change: 0d 0h 0m 52s

Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction xid \* sort-by-last-state-change

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction xid \* sort-by-last-state-change count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 53s 0

solace> show transaction xid \* state \*

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction xid \* state \* count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction xid \* state \* detail

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

Client Id: 117

Client Username: adUser\_1000001

Session: e77b2101eaa04f23a81f84641d25b6ca

Session Id: 0

Idle Timeout: 180

Type: XA

State: ACTIVE

Replicated: No

Last State Change: 0d 0h 0m 52s

Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction xid \* state \* detail count 1

XID: 000BCA5A-3139322E3136382E312E323136676C6F62616C54726

16E73616374696F6E4944373732363938-3139322E3136382E

312E3231366272616E63685175616C69666965723737323639

39

Message VPN: vpn\_1

Client: dev216/3201/#000f0003

Client Id: 117

Client Username: adUser\_1000001

Session: e77b2101eaa04f23a81f84641d25b6ca

Session Id: 0

Idle Timeout: 180

Type: XA

State: ACTIVE

Replicated: No

Last State Change: 0d 0h 0m 53s

Messages: 0

Messages Published: 0

Messages Consumed: 0

Publisher Messages:

Message Id Topic

-------------------- -----------------------------------------------------------

Consumer Messages:

Message Id Type Endpoint Name

-------------------- ----- -----------------------------------------------------

solace> show transaction xid \* state \* sort-by-last-state-change

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 52s 0

solace> show transaction xid \* state \* sort-by-last-state-change count 1

Flags Legend

T - Transaction Type (X=XA L=Local)

S - Transaction State (A=Active S=Suspended I=Idle P=Prepared C=Complete)

R - Replicated (Y=Yes N=No)

XID Messages

Message VPN T S R Last State Change Spooled

--------------------------------------------- - - - ----------------- --------

000BCA5A-3139322E3136382E312E323136676C6F62616C5472616E73616374696F6E4944373732

363938-3139322E3136382E312E3231366272616E63685175616C6966696572373732363939

vpn\_1 X A N 53s 0

**show trusted-root**

COMMAND:

trusted-root [file <ca-certificate>] [detail]

DESCRIPTION:

Show the trusted root certificate.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

file <ca-certificate> [1..128 chars] - The CA certificate file. detail - Show detailed information.

solace> show trusted-root

Trusted Root Certificates

=========================

cert.pem

afwClientCert-rsa-2048-sha256.crt

**show username**

COMMAND:

username <username-pattern> [detail]

DESCRIPTION:

Show the names of all the CLI and file transfer users configured on an appliance

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

<username-pattern> [string] - The username pattern to use as a filter. detail

solace> show username \*

Configured Users User Type Global Default VPN

Access Level Access Level

-------------------------------- ------------- ------------ -------------

AFW\_User cli admin none

admin cli admin none

adminuser cli admin read-write

noneuser cli none none

noneusertochange cli none none

readonlyuser cli read-only read-only

readwriteuser cli read-write read-write

testUser cli read-only none

sftpuser file-transfer

sftpusertochange file-transfer

solace> show username \* detail

Username: AFW\_User

User Type: cli

Global Access Level: admin

Message VPN Default Access Level: none

Username: admin

User Type: cli

Global Access Level: admin

Message VPN Default Access Level: none

Username: adminuser

User Type: cli

Global Access Level: admin

Message VPN Default Access Level: read-write

VPN Access Level Exception Access-Level

-------------------------------- ------------

usernamenonevpn none

usernamereadonlyvpn read-only

usernamereadwritevpn read-write

Username: noneuser

User Type: cli

Global Access Level: none

Message VPN Default Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

usernamenonevpn none

usernamereadonlyvpn read-only

usernamereadwritevpn read-write

Username: noneusertochange

User Type: cli

Global Access Level: none

Message VPN Default Access Level: none

VPN Access Level Exception Access-Level

-------------------------------- ------------

usernamenonevpn none

usernamereadonlyvpn read-only

usernamereadwritevpn read-write

Username: readonlyuser

User Type: cli

Global Access Level: read-only

Message VPN Default Access Level: read-only

VPN Access Level Exception Access-Level

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usernamenonevpn none

usernamereadonlyvpn read-only

usernamereadwritevpn read-write

Username: readwriteuser

User Type: cli

Global Access Level: read-write

Message VPN Default Access Level: read-write

VPN Access Level Exception Access-Level

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usernamenonevpn none

usernamereadonlyvpn read-only

usernamereadwritevpn read-write

Username: testUser

User Type: cli

Global Access Level: read-only

Message VPN Default Access Level: none

VPN Access Level Exception Access-Level

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blue none

Username: sftpuser

User Type: file-transfer

Global Access Level:

Message VPN Default Access Level:

Username: sftpusertochange

User Type: file-transfer

Global Access Level:

Message VPN Default Access Level:

**show version**

COMMAND:

version

DESCRIPTION:

Show information on software loads

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

solace> show version

Process Release Build date

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CLI 8.1.0.8 Mar 24 2017 13:41:00 EDT

DataplaneMgr 8.1.0.8 Mar 24 2017 13:41:00 EDT

Controlplane 8.1.0.8 Mar 24 2017 13:41:00 EDT

Managementplane 8.1.0.8 Mar 24 2017 13:41:00 EDT

Current load is: soltr\_8.1.0.8

Backout load does not exist

SolOS Loads available on the appliance:

Index SolOS Version Required SolBase Version

------ -------------------------- ------------------------

1 soltr\_100.0bugfix.0.115 2.2.2.6

2 soltr\_100.0bugfix.0.119 2.2.2.6

3 soltr\_100.0bugfix.0.125 2.2.2.6

4 soltr\_100.0bugfix.0.126 2.2.2.6

5 soltr\_100.0bugfix.0.130 2.2.2.6

6 soltr\_100.0cert\_revocation.0.62 2.2.2.5\*

7 soltr\_100.0nab4.0.60 2.2.2.5\*

8 soltr\_100.0nab4.0.74 2.2.2.5\*

9 soltr\_100.0ssl\_mnr.0.84 2.2.2.5\*

10 soltr\_100.0ssl\_mnr.0.85 2.2.2.5\*

11 soltr\_100.0ssl\_mnr.0.87 2.2.2.5\*

12 soltr\_100.0ssl\_mnr.0.88 2.2.2.5\*

13 soltr\_100.0trunk.0.10 2.2.2.5\*

14 soltr\_100.0trunk.0.130 2.2.2.6

15 soltr\_100.0trunk.0.9 2.2.2.5\*

16 soltr\_100.0vmr\_stab.0.25 2.2.2.6

17 soltr\_100.0vmr\_stab.0.26 2.2.2.6

18 soltr\_7.1.0.1652 1.0.0.5

19 soltr\_7.2.2.250 2.2.2.4

20 soltr\_7.2.2.256 2.2.2.4

21 soltr\_7.2.2.257 2.2.2.4

22 soltr\_7.2.2.264 2.2.2.4

23 soltr\_8.0.0.12 2.2.2.5\*

24 soltr\_8.0.0.13 2.2.2.5\*

25 soltr\_8.0.0.18 2.2.2.5\*

26 soltr\_8.0.0.2 2.2.2.5\*

27 soltr\_8.0.0.4 2.2.2.5\*

28 soltr\_8.0.0.8 2.2.2.5\*

29 soltr\_8.1.0.6 2.2.2.6

30 soltr\_8.1.0.8 2.2.2.6

\* This SolBase version is not currently present.

SolBase Loads available on the appliance:

Index SolBase Version

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1 solbase\_1.0.0.5

2 solbase\_2.2.2.4

3 solbase\_2.2.2.6

System uptime: 0d 0h 8m 14s

**source script**

COMMAND:

source script <script-name> [stop-on-error] [no-prompt]

DESCRIPTION:

Use this command to run a cli script.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/read-only

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

script <script-name> stop-on-error - Stop running script on encountering an error. no-prompt - Skip yes/no confirmation prompting.

**strict-column-wrapping**

COMMAND:

[no] strict-column-wrapping

DESCRIPTION:

By default, this is enabled. Use the 'no' version of this command to allow designated columns to be displayed without wrapping. A column may be designated to be controlled by this setting if it is identified as a column where the content would need to be frequently cut and pasted. This is more easily performed if the content is not wrapped.

The default value is strict-column-wrapping.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

This command does not take any parameters

**tree**

COMMAND:

tree [all | global]

DESCRIPTION:

Use this command to show the CLI command tree, starting from the current mode.

MINIMUM REQUIRED SCOPE/ACCESS LEVEL:

global/none

CONFIG-SYNC:

HA: no Replicated VPNs: no

PARAMETERS:

all - Display both the global command tree and the command tree for mode-specific commands (starting from the current mode) global - Display the command tree for global commands (commands that are available in all modes

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