



# **New, Changed, and Deprecated Configuration Commands in Cisco Nexus 9000 Release 7.0(3)I7(5)**

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## New Commands

The following commands are added in this release.

- clear sup-monitor drops session <session\_number> [ module <module> ]
- [ no ] collect { egress buffer depth }
- [ no ] collect { egress pool-group depth }
- [ no ] collect { egress queue depth | egress queue drops | egress queue microburst | egress queue peak | egress queue average-depth }
- [ no ] collect { ethernet counters }
- [ no ] collect { ingress queue depth | ingress queue drops }
- [ no ] feature signature-verification
- [ no ] hardware-telemetry ssx
- [ no ] ignore routable
- [ no ] ingress-mtu <mtu\_value>
- { [ no ] debug | undebg } ip nat-packet
- [ no ] ip pim evpn-border-leaf
- [ no ] nexthop suppress-default-resolution
- [ no ] nxapi ssl ciphers weak
- [ no ] nxapi ssl protocols <prot\_string>
- [ no ] per-ingress-port-mtu-mode
- [ no ] port-channel fast-convergence
- [ no ] qos-mode pipe
- [ no ] system module failure-action shutdown multibit-parity
- [ no ] system shutdown fans 2
- test hardware internal ptp sync-cpu-asic
- [ no ] transport udp { src-port <srcport> dst-port <dstport> | dst-port <dstport> src-port <srcport> | src-port <srcport> | dst-port <dstport> }
- show consistency-checker racl svi interface <vlan-id>
- show forwarding distribution multicast vxlan dsg-db
- show interface <ifeth\_ctr> counters [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inbytes> ] [ <eth\_inucast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_ucastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outbytes> ] [ <eth\_outucast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_ucastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] } }

- show interface <ifeth\_ctr> counters snmp [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inbytes> ] [ <eth\_inucast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_ucastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outbytes> ] [ <eth\_outucast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_ucastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] } ] ]
- show port-channel fast-convergence
- show ssx details [ \_\_readonly\_\_ [ TABLE\_ssx\_details <arp-timer-running><asic-instance><asic-slice><io-srcid> [ <packets-sent> ] ] ]
- show ssx exporter { all | <exportername> } [ \_\_readonly\_\_ [ TABLE\_ssx\_exporters <exporter-name> <src-ip><src-udp-port><dest-ip><dest-udp-port><vrf><mtu><dscp> ] ]
- show ssx monitor { all | <monitorname> } [ \_\_readonly\_\_ [ TABLE\_ssx\_monitors <monitor-name> <globally-applied><status><exportername><recordname> ] ]
- show ssx record { all | <recordname> } [ \_\_readonly\_\_ [ TABLE\_ssx\_records <record-name> [ TABLE\_stats\_type <stats-type> ] <interval> ] ]
- show sup-monitor drops session <session\_number> [ module <module> ]
- show system image-verification
- show ttag brief [ \_\_readonly\_\_ { [ TABLE\_ttag <ttag-ifindex> <state> ] } <ttag-end> ]

## Changed Commands

The following commands are changed in this release.

- OLD: clear ip internal event-history { errors | log | ipc | snmp | ha | ppf | cli | vrf-errors | arp-miss | static-rt | pkt-buffer | dampening | all } [ dump-to-file ]
- NEW: clear ip internal event-history { errors | log | ipc | snmp | ha | ppf | cli | vrf-errors | arp-miss | static-rt | pkt-buffer | dampening | nat | all } [ dump-to-file ]
- OLD: [ no ] debug hw\_telemetry all
- NEW: [ no ] debug hardware-telemetry all
- OLD: [ no ] debug hw\_telemetry ascii-cfg
- NEW: [ no ] debug hardware-telemetry ascii-cfg
- OLD: [ no ] debug hw\_telemetry errors
- NEW: [ no ] debug hardware-telemetry errors
- OLD: [ no ] debug hw\_telemetry mts
- NEW: [ no ] debug hardware-telemetry mts
- OLD: [ no ] debug hw\_telemetry trace
- NEW: [ no ] debug hardware-telemetry trace
- OLD: [ no ] destination ip-address <ipaddr> [ vrf { <vrf-name> | <vrf-known-name> } ]
- NEW: [ no ] destination <ipaddr> [ use-vrf { <vrf-name> | <vrf-known-name> } ]
- OLD: event-history hw\_telemetry { category { all | mts [ { rx [ { brief | detail } ] | tx [ { brief1 | detail1 } ] ] } } | no category { all | mts [ { rx [ { brief1 | detail1 } ] | tx [ { brief2 | detail2 } ] ] } } }
- NEW: event-history hardware-telemetry { category { all | mts [ { rx [ { brief | detail } ] | tx [ { brief1 | detail1 } ] ] } } | no category { all | mts [ { rx [ { brief1 | detail1 } ] | tx [ { brief2 | detail2 } ] ] } } }
- OLD: [ no ] feature hw\_telemetry
- NEW: [ no ] feature hardware-telemetry
- OLD: [ no ] logging level hw\_telemetry <i0>
- NEW: [ no ] logging level hardware-telemetry <i0>
- OLD: [ no ] set { { discard-class <dis-class-val> } | { { { cos1 cos2 } | { dscp1 dscp2 } | { prec1 prec2 } } | { dis-class1 dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | { mpls-exp-topmost1 mpls-exp-topmost2 } } table <table-map-name> } | { mpls experimental { { topmost <exp-value> } | { imposition <exp-value-imp> } } } }

- NEW: [ no ] set { { discard-class <dis-class-val> } | { { { cos1 cos2 } | { dscp1 dscp2 } | { prec1 prec2 } | { dis-class1 dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | { mpls-exp-topmost1 mpls-exp-topmost2 } } } table <table-map-name> } }
- OLD: [ no ] set { { dlb-disable } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | { dscp [ tunnel ] { <dscp-val> | <dscp-enum> } } | { cos <cos-val> } | { qos-group <qos-grp-val> } }
- NEW: [ no ] set { { dlb-disable } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | { dscp [ tunnel ] { <dscp-val> | <dscp-enum> } } | { cos <cos-val> } | { qos-group <qos-grp-val> } | { mpls experimental { { topmost <exp-value> } | { imposition <exp-value-imp> } } } }
- OLD: [ no ] source ip-address <ipaddr>
- NEW: [ no ] source <ipaddr>
- OLD: [ no ] ssx collector <collectorname>
- NEW: [ no ] ssx exporter <exportername>
- OLD: [ no ] system ssx monitor <monitorname>
- NEW: [ no ] ssx system monitor <monitorname>
- OLD: [ no ] system ssx system-id <systemid>
- NEW: [ no ] ssx system system-id <systemid>
- OLD: [ no ] version <s0>
- NEW: [ no ] version <s0> [ <s1> ] [ <s2> ] [ <s3> ] [ <s4> ]
- OLD: show [ <ip\_ipv6\_mac> ] access-lists [ <name> ] [ capture session <capture\_session> ] [ <expanded> | <summary> | <private> | <brief> ] [ \_\_readonly\_\_ TABLE\_ip\_ipv6\_mac <op\_ip\_ipv6\_mac> <show\_summary> <acl\_name> [ <statistics> ] [ <frag\_opt\_permit\_deny> ] [ <global\_capture\_session> ] [ TABLE\_seqno <seqno> { <permitdeny> [ <proto\_str> | <proto> | <ip> | <ipv6> ] { <src\_any> | <src\_ip\_prefix> | <src\_ip\_addr> <src\_ip\_mask> | <src\_ipv6\_prefix> | <src\_ipv6\_addr> <src\_ipv6\_mask> | <mac\_src> <mac\_src\_wild> | <src\_addrgrp> } [ <src\_port\_op> [ <src\_port1\_str> ] { <src\_port1\_num> } [ <src\_port2\_str> | <src\_port2\_num> ] | <src\_portgrp> ] { <dest\_any> | <dest\_ip\_prefix> | <dest\_ip\_addr> <dest\_ip\_mask> | <dest\_ipv6\_prefix> | <dest\_ipv6\_addr> <dest\_ipv6\_mask> | <mac\_dest> <mac\_dest\_wild> | <dest\_addrgrp> } [ <dest\_port\_op> [ <dest\_port1\_str> ] { <dest\_port1\_num> } [ <dest\_port2\_str> | <dest\_port2\_num> ] | <dest\_portgrp> ] [ { <icmp\_type> [ <icmp\_code> ] | <icmp\_str> } | { <icmpv6\_type> [ <icmpv6\_code> ] | <icmpv6\_str> } ] [ <igmp\_type> | <igmp\_type\_str> ] [ [ <precedence> | <precedence\_str> ] [ <tos> | <tos\_str> ] ] [ <dscp> | <dscp\_str> ] [ <ttl> ] ] [ <log> ] [ <udfs> ] [ <capture\_session> ] [ <fragments> ] [ <plen\_op> <plen1> [ <plen2> ] ] [ <urg> ] [ <ack> ] [ <psh> ] [ <rst> ] [ <syn> ] [ <fin> ] [ <established> ] [ <http-method> | <http\_opt\_str> ] [ <tcp-option-length> ] [ <tcp-flags-mask> ] [ <flow\_label> ] [ <timerange> ] [ <eth\_proto> | <eth\_proto\_str> ] [ <vlan> ] [ <cos> ] [ <match\_count> ] [ <nve\_vni> ] | <remark> [ <action> <actionid> ] ] [ ethertype <ethertypeid> | vlan <vlanid> | ingress\_intf { <intfid> | <intfname> } | vlan\_priority <vlanpriorityid> ] + [ <action> <actionid> ] [ [ <stats\_enabled> ] [ <frag\_option> ] { <num\_ace> } { <conf\_if\_header> } [ <conf\_if> ] { <active\_if\_header> } [ <active\_if> ] ] ]
- NEW: show [ <ip\_ipv6\_mac> ] access-lists [ <name> ] [ capture session <capture\_session> ] [ <expanded> | <summary> | <private> | <brief> ] [ \_\_readonly\_\_ TABLE\_ip\_ipv6\_mac <op\_ip\_ipv6\_mac> <show\_summary> <acl\_name> [ <statistics> ] [ <frag\_opt\_permit\_deny> ] [ <global\_capture\_session>



- ```

] [ <eth_l3in_ucastpkts> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_bcastpkts> ] } { TABLE_tx_counters
<interface_tx> [ <eth_outpkts> ] [ <eth_outbytes> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast>
] [ <eth_l3out_bytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_bcastpkts> ]
} ]

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- NEW: show interface counters [ non-zero ] [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inpkts> ] [ <fc\_inframes> ] [ <eth\_inbytes> ] [ <fc\_inbytes> ] [ <eth\_inucast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_ucastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] } } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outpkts> ] [ <eth\_outbytes> ] [ <eth\_outucast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_ucastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] } }
  - OLD: show ip arp statistics [ <interface> ] [ interface-all ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ \_\_readonly\_\_ TABLE\_vrf <vrf-name-out1> [ TABLE\_stat <tx-total> <tx-req> <tx-reply> <tx-req-l2> <tx-reply-l2> <tx-grat> <tx-tunnel> <tx-drop> [ <tx-srvrport> ] [ <tx-fbrport> ] [ <tx-fixup-core> ] [ <tx-fixup-server> ] [ <tx-fixup-rarp> ] [ <tx-anycast-glean> ] <tx-mbuf-fail> <tx-ctxt-not-crted> <tx-bad-ctxt-id> <tx-invalid-ifindex> <tx-invalid-sip> <tx-invalid-dip> <tx-own-ip> <tx-unattached-ip> <tx-adj-create-fail> <tx-null-sip> <tx-null-smac> <tx-client-enq-fail> <tx-dest-unreachable-proxy-arp> <tx-dest-unreachable-enhanced-proxy> <tx-dest-l2port-track> <tx-invalid-local-proxy> <tx-invalid-proxy> <tx-vip-not-active> <rx-total> <rx-req> <rx-reply> <rx-req-l2> <rx-reply-l2> <rx-proxy> <rx-local-proxy> <rx-enhanced-proxy> <rx-enhanced-proxy-anycast> <rx-enhanced-proxy-l2port-track> <rx-tunnel> <rx-fastpath> <rx-snoop> <rx-drop> <rx-srvrport> <bad-if> <bad-len> <invalid-prot> <invalid-hrd-type> <invalid-ctxt> <ctxt-not-crted> <invalid-l2> <invalid-l3> <invalid-sip> <our-sip> <arp-if-no-mem> <subnet-mismatch> <dir-bcast> <invalid-dip> <non-local-dst> <non-active-fhrp> <invalid-smac> <our-smac> <not-init> <l2-prxy-en> <l2-port-untrusted> <stdby-fhrp-vip> <grat-prxy-en> <arp-req-ignore> <l2-intf> <l2fm-query-fail> <tunnel\_fail> [ <hsrp-active-vmac> ] [ <rx-intf-down> ] <refresh-req-from-clients> <l2rib-signals> <adds> <dels> <timeouts> ] ]
  - NEW: show ip arp statistics [ <interface> ] [ interface-all ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ \_\_readonly\_\_ TABLE\_vrf <vrf-name-out1> [ TABLE\_stat <tx-total> <tx-req> <tx-reply> <tx-req-l2> <tx-reply-l2> <tx-grat> <tx-tunnel> <tx-drop> [ <tx-srvrport> ] [ <tx-fbrport> ] [ <tx-fixup-core> ] [ <tx-fixup-server> ] [ <tx-fixup-rarp> ] [ <tx-anycast-glean> ] <tx-mbuf-fail> <tx-ctxt-not-crted> <tx-bad-ctxt-id> <tx-invalid-ifindex> <tx-invalid-sip> <tx-invalid-dip> <tx-own-ip> <tx-unattached-ip> <tx-adj-create-fail> <tx-null-sip> <tx-null-smac> <tx-client-enq-fail> <tx-dest-unreachable-proxy-arp> <tx-dest-unreachable-enhanced-proxy> <tx-dest-l2port-track> <tx-invalid-local-proxy> <tx-invalid-proxy> <tx-vip-not-active> <tx-skip-refresh-over-core-and-flood-to-server> <rx-total> <rx-req> <rx-reply> <rx-req-l2> <rx-reply-l2> <rx-proxy> <rx-local-proxy> <rx-enhanced-proxy> <rx-enhanced-proxy-anycast> <rx-enhanced-proxy-l2port-track> <rx-tunnel> <rx-fastpath> <rx-snoop> <rx-drop> <rx-srvrport> <bad-if> <bad-len> <invalid-prot> <invalid-hrd-type> <invalid-ctxt> <ctxt-not-crted> <invalid-l2> <invalid-l3> <invalid-sip> <our-sip> <arp-if-no-mem> <subnet-mismatch> <dir-bcast> <invalid-dip> <non-local-dst> <non-active-fhrp> <invalid-smac> <our-smac> <not-init> <l2-prxy-en> <l2-port-untrusted> <stdby-fhrp-vip> <grat-prxy-en> <arp-req-ignore> <l2-intf> <l2fm-query-fail> <tunnel\_fail> [ <hsrp-active-vmac> ] [ <rx-intf-down> ] <refresh-req-from-clients> <l2rib-signals> <adds> <dels> <timeouts> ] ]
  - OLD: show ip internal event-history { errors | msgs | ipc | ha | log | ppf | cli | vrf-errors | arp-miss | snmp | static-rt | lcache-err | lcache-trace | pkt-buffer | objstr | dampening }
  - NEW: show ip internal event-history { errors | msgs | ipc | ha | log | ppf | cli | vrf-errors | arp-miss | snmp | static-rt | lcache-err | lcache-trace | pkt-buffer | objstr | dampening | nat }

- OLD: show ip route [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | { <ip-prefix> [ { longer-prefixes | shorter-prefixes } ] } ] [ { <protocol> [ all ] } | { next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary | detail ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ \_\_readonly\_\_ TABLE\_vrf <vrf-name-out> TABLE\_addrf <addrf> [ TABLE\_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE\_path [ <ipnexthop> ] [ <ifname> ] <uptime> <pref> <metric> <clientname> [ <type> ] [ <tag> ] [ <stale> ] [ <unres> ] [ <hidden> ] [ <stale-label> ] [ <ubest> ] [ <mbest> ] ] [ TABLE\_summary <routes> <paths> [ <multicast\_paths> ] [ TABLE\_unicast [ <clientnameuni> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE\_multicast [ <clientnamemulti> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE\_route\_count [ <mask\_len> ] [ <count> ] ] ] ]
- NEW: show ip route [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | { <ip-prefix> [ { longer-prefixes | shorter-prefixes } ] } ] [ { <protocol> [ all ] } | { next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary | detail ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ \_\_readonly\_\_ TABLE\_vrf <vrf-name-out> TABLE\_addrf <addrf> [ TABLE\_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE\_path [ <ipnexthop> ] [ <ifname> ] <uptime> <pref> <metric> <clientname> [ <type> ] [ <tag> ] [ <stale> ] [ <unres> ] [ <hidden> ] [ <stale-label> ] [ <bgpbackuppath> ] [ <ubest> ] [ <mbest> ] ] [ TABLE\_summary <routes> <paths> [ <multicast\_paths> ] [ TABLE\_unicast [ <clientnameuni> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE\_multicast [ <clientnamemulti> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE\_route\_count [ <mask\_len> ] [ <count> ] ] ] ]
- OLD: show ipv6 dhcp relay statistics [ interface <intf> [ [ server-ip <ip-addr-val> [ use-vrf <vrf-name> ] [ interface <dest-interface> ] ] ] [ server-ip <ip-addr-val> [ interface <dest-interface> ] [ use-vrf <vrf-name> ] ] ] [ \_\_readonly\_\_ [ <msg\_stats\_hdr> <msg\_type\_str> <rx\_pkts> <tx\_pkts> <drops> <msg\_type\_str\_advertise> <rx\_pkts\_advertise> <tx\_pkts\_advertise> <drops\_advertise> <msg\_type\_str\_request> <rx\_pkts\_request> <tx\_pkts\_request> <drops\_request> <msg\_type\_str\_confirm> <rx\_pkts\_confirm> <tx\_pkts\_confirm> <drops\_confirm> <msg\_type\_str\_renew> <rx\_pkts\_renew> <tx\_pkts\_renew> <drops\_renew> <msg\_type\_str\_rebind> <rx\_pkts\_rebind> <tx\_pkts\_rebind> <drops\_rebind> <msg\_type\_str\_reply> <rx\_pkts\_reply> <tx\_pkts\_reply> <drops\_reply> <msg\_type\_str\_release> <rx\_pkts\_release> <tx\_pkts\_release> <drops\_release> <msg\_type\_str\_decline> <rx\_pkts\_decline> <tx\_pkts\_decline> <drops\_decline> <msg\_type\_str\_reconfigure> <rx\_pkts\_reconfigure> <tx\_pkts\_reconfigure> <drops\_reconfigure> <msg\_type\_str\_inforeq> <rx\_pkts\_inforeq> <tx\_pkts\_inforeq> <drops\_inforeq> <msg\_type\_str\_relay\_fwd> <rx\_pkts\_relay\_fwd> <tx\_pkts\_relay\_fwd> <drops\_relay\_fwd> <msg\_type\_str\_relay\_reply> <rx\_pkts\_relay\_reply> <tx\_pkts\_relay\_reply> <drops\_relay\_reply> <msg\_type\_str\_unknown> <rx\_pkts\_unknown> <tx\_pkts\_unknown> <drops\_unknown> <msg\_type\_str\_total> ] [ <server\_stats\_hdr> [ TABLE\_server <server\_helper\_addr> <server\_vrf> <server\_intf> <server\_requests> <server\_responses> ] ] [ <drop\_hdr> <drop\_relay\_disable> <drop\_max\_hops> <drop\_validation\_fails> <drop\_unknown\_op\_intf> <drop\_bad\_context> <drop\_opt\_insert\_fail> <drop\_server\_direct\_reply> <drop\_no\_ipv6\_addr> <drop\_intf\_error> <drop\_vpn\_disabled> <drop\_ipv6\_extn\_hdrs\_presence> <drop\_mct\_drop> ] ]
- NEW: show ipv6 dhcp relay statistics [ interface <intf> [ [ server-ip <ip-addr-val> [ use-vrf <vrf-name> ] [ interface <dest-interface> ] ] ] [ server-ip <ip-addr-val> [ interface <dest-interface> ] [ use-vrf <vrf-name> ] ] ] [ \_\_readonly\_\_ [ <msg\_stats\_hdr> <msg\_type\_str> <rx\_pkts> <tx\_pkts> <drops> <msg\_type\_str\_advertise> <rx\_pkts\_advertise> <tx\_pkts\_advertise> <drops\_advertise> <msg\_type\_str\_request> <rx\_pkts\_request> <tx\_pkts\_request> <drops\_request> <msg\_type\_str\_confirm> <rx\_pkts\_confirm> <tx\_pkts\_confirm> <drops\_confirm> <msg\_type\_str\_renew> <rx\_pkts\_renew> <tx\_pkts\_renew> <drops\_renew> <msg\_type\_str\_rebind> <rx\_pkts\_rebind> <tx\_pkts\_rebind> <drops\_rebind> <msg\_type\_str\_reply> <rx\_pkts\_reply> <tx\_pkts\_reply> <drops\_reply> <msg\_type\_str\_release> <rx\_pkts\_release> <tx\_pkts\_release> <drops\_release> <msg\_type\_str\_decline> <rx\_pkts\_decline> <tx\_pkts\_decline> <drops\_decline> <msg\_type\_str\_reconfigure>



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<rx_pkts_reconfigure> <tx_pkts_reconfigure> <drops_reconfigure> <msg_type_str_inforeq>
<rx_pkts_inforeq> <tx_pkts_inforeq> <drops_inforeq> <msg_type_str_relay_fwd> <rx_pkts_relay_fwd>
<tx_pkts_relay_fwd> <drops_relay_fwd> <msg_type_str_relay_reply> <rx_pkts_relay_reply>
<tx_pkts_relay_reply> <drops_relay_reply> <msg_type_str_unknown> <rx_pkts_unknown>
<tx_pkts_unknown> <drops_unknown> <msg_type_str_total> <rx_pkts_total> <tx_pkts_total>
<drops_total> ] [ <server_stats_hdr> [ TABLE_server <server_helper_addr> <server_vrf> <server_intf>
<server_requests> <server_responses> ] ] [ <drop_hdr> <drop_relay_disable> <drop_max_hops>
<drop_validation_fails> <drop_unknown_op_intf> <drop_bad_context> <drop_opt_insert_fail>
<drop_server_direct_reply> <drop_no_ipv6_addr> <drop_intf_error> <drop_vpn_disabled>
<drop_ipv6_extn_hdrs_presence> <drop_mct_drop> ] ]

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- OLD: show ldap-search-map [ \_\_readonly\_\_ { number\_of\_search\_maps <search\_map\_count> } [ TABLE\_ldap\_searchmaps <map\_name> [ <map\_baseDN> <map\_attr> <map\_filter> ] ] ]
- NEW: show ldap-search-map [ \_\_readonly\_\_ { number\_of\_search\_maps <search\_map\_count> } [ TABLE\_ldap\_searchmaps [ <map\_name> <map\_baseDN> <map\_attr> <map\_filter> ] ] ]
- OLD: show lldp interface <if0> [ \_\_readonly\_\_ <interface> <tx\_en> <rx\_en> <dcbx\_en> <port\_mac> [ <tlv\_type> <tlv\_len> <tlv\_value> ] + [ <l\_op\_ver> <l\_max\_ver> <l\_seq\_no> <l\_ack\_no> [ <l\_feature> <l\_cfg\_len> <l\_cfg> ] + ] [ <p\_op\_ver> <p\_max\_ver> <p\_seq\_no> <p\_ack\_no> [ <p\_tlv\_type> <p\_tlv\_len> <p\_tlv\_value> ] + ] ]
- NEW: show lldp interface <if0> [ \_\_readonly\_\_ <interface> <tx\_en> <rx\_en> <dcbx\_en> <port\_mac> [ <tlv\_type> <tlv\_len> [ <tlv\_value> ] ] + [ <l\_op\_ver> <l\_max\_ver> <l\_seq\_no> <l\_ack\_no> [ <l\_feature> <l\_cfg\_len> <l\_cfg> ] + ] [ <p\_op\_ver> <p\_max\_ver> <p\_seq\_no> <p\_ack\_no> [ <p\_tlv\_type> <p\_tlv\_len> <p\_tlv\_value> ] + ] ]
- OLD: show logging level hw\_telemetry
- NEW: show logging level hardware-telemetry
- OLD: show macsec secy statistics [ interface <ifname> ] [ \_\_readonly\_\_ [ <macsec\_status> ] [ TABLE\_statistics <ifname2> [ <in\_pkts\_unicast\_uncontrolled> ] [ <in\_pkts\_multicast\_uncontrolled> ] [ <in\_pkts\_broadcast\_uncontrolled> ] [ <in\_rx\_drop\_pkts\_uncontrolled> ] [ <in\_rx\_err\_pkts\_uncontrolled> ] [ <in\_pkts\_unicast\_controlled> ] [ <in\_pkts\_multicast\_controlled> ] [ <in\_pkts\_broadcast\_controlled> ] [ <in\_rx\_drop\_pkts\_controlled> ] [ <in\_rx\_err\_pkts\_controlled> ] [ <in\_octets\_uncontrolled> ] [ <in\_octets\_controlled> ] [ <input\_rate\_uncontrolled\_pps> ] [ <input\_rate\_uncontrolled\_bps> ] [ <input\_rate\_controlled\_pps> ] [ <input\_rate\_controlled\_bps> ] [ <out\_pkts\_unicast\_uncontrolled> ] [ <out\_pkts\_multicast\_uncontrolled> ] [ <out\_pkts\_broadcast\_uncontrolled> ] [ <out\_rx\_drop\_pkts\_uncontrolled> ] [ <out\_rx\_err\_pkts\_uncontrolled> ] [ <out\_pkts\_unicast\_controlled> ] [ <out\_pkts\_multicast\_controlled> ] [ <out\_pkts\_broadcast\_controlled> ] [ <out\_rx\_drop\_pkts\_controlled> ] [ <out\_rx\_err\_pkts\_controlled> ] [ <out\_octets\_uncontrolled> ] [ <out\_octets\_controlled> ] [ <out\_octets\_common> ] [ <output\_rate\_uncontrolled\_pps> ] [ <output\_rate\_uncontrolled\_bps> ] [ <output\_rate\_controlled\_pps> ] [ <output\_rate\_controlled\_bps> ] [ <in\_pkts\_transform\_error> ] [ <in\_pkts\_control> ] [ <in\_pkts\_untagged> ] [ <in\_pkts\_no\_tag> ] [ <in\_pkts\_badtag> ] [ <in\_pkts\_no\_sci> ] [ <in\_pkts\_unknown\_sci> ] [ <in\_pkts\_tagged\_ctrl> ] [ <out\_pkts\_transform\_error> ] [ <out\_pkts\_control> ] [ <out\_pkts\_untagged> ] [ TABLE\_rx\_sa\_an <rx\_sa\_an> [ <in\_pkts\_unchecked> ] [ <in\_pkts\_delayed> ] [ <in\_pkts\_late> ] [ <in\_pkts\_ok> ] [ <in\_pkts\_invalid> ] [ <in\_pkts\_not\_valid> ] [ <in\_pkts\_not\_using\_sa> ] [ <in\_pkts\_unused\_sa> ] [ <in\_octets\_decrypted> ] [ <in\_octets\_validated> ] ] [ TABLE\_tx\_sa\_an <tx\_sa\_an> [ <out\_pkts\_encrypted\_protected> ] [ <out\_pkts\_too\_long> ] [ <out\_pkts\_sa\_not\_inuse> ] [ <out\_octets\_encrypted\_protected> ] ] ] ] ]



```
][ <ubest> ][ <mbest> ]][ TABLE_summary <routes> <paths> [ <multicast_paths> ]][ TABLE_unicast
[ <clientnameuni> ][ <best-paths> ][ <backup-paths> ]][ TABLE_multicast [ <clientnamemulti> ][
<best-paths> ][ <backup-paths> ]][ TABLE_route_count [ <mask_len> ][ <count> ]][ ]]
```

- OLD: show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] hash <source> <dest> [ ip-proto <ip-proto> ] [ <src-port> <dest-port> ] [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ \_\_readonly\_\_ TABLE\_vrf <vrf-name-out> TABLE\_addrf <addrf> TABLE\_hashpath <mcast> <hashpath> <hash-val> TABLE\_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE\_path <ubest> <mbest> <ipnexthop> <ifname> <pref> <metric> <uptime> <clientname> [ <type> ] [ <tag> ] [ <stale> ] [ <unres> ] [ <hidden> ] [ <stale-label> ] ]
- NEW: show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] hash <source> <dest> [ ip-proto <ip-proto> ] { { [ gtp-teid <gtp-teid> ] } | { [ <src-port> <dest-port> ] } } [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ \_\_readonly\_\_ TABLE\_vrf <vrf-name-out> TABLE\_addrf <addrf> TABLE\_hashpath <mcast> <hashpath> <hash-val> TABLE\_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE\_path <ubest> <mbest> <ipnexthop> <ifname> <pref> <metric> <uptime> <clientname> [ <type> ] [ <tag> ] [ <stale> ] [ <unres> ] [ <hidden> ] [ <stale-label> ] ]
- OLD: show running-config hw\_telemetry [ all ]
- NEW: show running-config hardware-telemetry [ all ]
- OLD: show startup-config hw\_telemetry [ all ]
- NEW: show startup-config hardware-telemetry [ all ]
- OLD: show system internal hw\_telemetry details
- NEW: show system internal hardware-telemetry details
- OLD: show system internal hw\_telemetry event-history debug
- NEW: show system internal hardware-telemetry event-history debug
- OLD: show system internal hw\_telemetry event-history errors
- NEW: show system internal hardware-telemetry event-history errors
- OLD: show system internal hw\_telemetry event-history msgs
- NEW: show system internal hardware-telemetry event-history msgs
- OLD: show system internal hw\_telemetry mem-stats [ detail ]
- NEW: show system internal hardware-telemetry mem-stats [ detail ]
- OLD: show tech-support hw\_telemetry
- NEW: show tech-support hardware-telemetry
- OLD: show { system internal | hardware } access-list resource { { { entries | l4ops | redirect | ipv6-compression | mac-compression | aqm-d | aqm-q | oq | opool | prm | hw-telemetry } [ detail ] } | utilization | { entry tcam <tcam\_id> bank <bank\_id> index <index> } } [ no-header ] [ module <module>

```
] [ __readonly__ [ TABLE_instance <inst> [ TABLE_resource_util_info <resource_hdr> <ents_use>
<ents_free> <ents_pctage> ] ] ]
```

- NEW: show { system internal | hardware } access-list resource { { { entries | l4ops | redirect | ipv6-compression | mac-compression | aqm-d | aqm-q | oq | opool | prm | hardware-telemetry } [ detail ] } | utilization | { entry tcam <tcam\_id> bank <bank\_id> index <index> } } [ no-header ] [ module <module> ] [ \_\_readonly\_\_ [ TABLE\_instance <inst> [ TABLE\_resource\_util\_info <resource\_hdr> <ents\_use> <ents\_free> <ents\_pctage> ] ] ]

## Deprecated Commands

The following commands are removed in this release.

- [ no ] collect <stats\_type>
- [ no ] collector <collectorname>
- [ no ] destination udp-port <udpport>
- [ no ] ptp bad\_correction <value>
- [ no ] ptp bad\_correction logging
- [ no ] snmp-server drop { unknown-user | unknown-engine-id }
- [ no ] source udp-port <udpport>
- show consistency-checker vxlan vlan <vlanid>
- show hw\_telemetry ssx collector { all | <collectorname> } [ \_\_readonly\_\_ [ TABLE\_ssx\_collectors <collector-name> <src-ip><src-udp-port><dest-ip><dest-udp-port><vrf><mtu><dscp> ] ]
- show hw\_telemetry ssx details [ \_\_readonly\_\_ [ TABLE\_ssx\_details <arp-timer-running><asic-instance><asic-slice><io-srcid> [ <packets-sent> ] ] ]
- show hw\_telemetry ssx monitor { all | <monitorname> } [ \_\_readonly\_\_ [ TABLE\_ssx\_monitors <monitor-name> <globally-applied><status><collectorname><recordname> ] ]
- show hw\_telemetry ssx record { all | <recordname> } [ \_\_readonly\_\_ [ TABLE\_ssx\_records <record-name> [ TABLE\_stats\_type <stats-type> ] <interval> ] ]

