New, Changed, and Deprecated Show 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 | undebug } 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>

] [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>] [<ign_rtable>] { <num_ace> } { <conf_if_header> } [<conf_if>] { <active_if_header> } [<active_if>]]]

- OLD: show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { { ipv4 { unicast | multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn } nexthop-database [<ipnexthop>] } | { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn } nexthop-database [<ipv6nexthop>] } | { all nexthop-database } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_nhvrf <nhvrf-name-out> TABLE_nhafi <nhafi> TABLE_nhsafi <nhsafi> <af-name> <nhcriticaldelay> <nhnoncriticaldelay> [{ TABLE_nexthop { <ipnexthop-out> | <ipv6nexthop-out> } <refcount> <igpmetric> <igptype> <igppref> [{ TABLE_attachedhops { <attachedhop> | <ipv6attachedhop> } <interface> [{ TABLE_labels <index> <label> }] }] <attached> <local> <reachable> <labeled> <filtered> <resolvetime> { <ribroute> | <ipv6ribroute> } { <pendingupdate> | <pendingtime> } <nextadvertise> <rnhepoch> [<pendingrnhepoch>] }]]
- NEW: show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { { ipv4 { unicast | multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn } nexthop-database [<ipnexthop>] } | { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn } nexthop-database [<ipv6nexthop>] } | { all nexthop-database } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_nhvrf <nhvrf-name-out> TABLE_nhafi <nhafi> TABLE_nhsafi <nhsafi> <af-name> <nhcriticaldelay> <nhnoncriticaldelay> [{ TABLE_nexthop { <ipnexthop-out> | <ipv6nexthop-out> } <refcount> <igpmetric> <igptype> <igppref> [{ TABLE_attachedhops { <attachedhop> | <ipv6attachedhop> } <interface> [{ TABLE_labels <index> <label> }] }] <attached> <local> <reachable> <labeled> <filtered> <suppressed> <resolvetime> { <ribroute> | <ipv6ribroute> } { <pendingupdate> | <pendingtime> } <nextadvertise> <rnhepoch> [<pendingrnhepoch>] }]]
- OLD: show consistency-checker forwarding single-route { ipv4 | ipv6 } <ip-prefix> prefix-len <pfx-len> vrf <vrf-name>
- NEW: show consistency-checker forwarding single-route { ipv4 | ipv6 } <ip-prefix> vrf <vrf-name>
- OLD: show debug hw_telemetry
- NEW: show debug hardware-telemetry
- OLD: show interface counters [non-zero] [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inpkts>] [<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_outpkts>] [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]

- 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-fbrcport>] [<tx-fixup-core>] [<tx-fixup-server>] [<tx-fixup-rarp>] [<tx-anycast-glean>] <tx-mbuf-fail> <tx-ctxt-not-crtd> <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-crtd> <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-fbrcport>] [<tx-fixup-core>] [<tx-fixup-server>] [<tx-fixup-rarp>] [<tx-anycast-glean>] <tx-mbuf-fail> <tx-ctxt-not-crtd> <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-crtd> <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>

<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>]]

- 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>]]]]

- NEW: 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>] [<in_pkts_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>] [<out_pkts_controlled>] [<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>]]]]

- OLD: show maintenance profile [<mode>] [__readonly__ TABLE_profile <name> TABLE_cfg <cfg>]

- NEW: show maintenance profile [<mode>] [__readonly__ TABLE_profile <name> [TABLE_cfg <cfg>]]

- OLD: show nxapi [__readonly__ { operation_status <o_status> } [configuration_error <c_error>] { TABLE_listen_on_port <l_port> }]

- NEW: show nxapi [__readonly__ <nxapi_status> [configuration_error <c_error>] [<http_port>] [<https_port> <ssl_issuer> <ssl_enddate>]]

- OLD: show routing [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 routing [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 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>]]