



## New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.3(4)

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# New, Changed, and Deprecated Commands in Cisco NX-OS Release 9.3(4)

The following sections describe changes in the Cisco Nexus 9000 CLI since Release 9.3(3).

## New Commands

The following commands are added in this release.



# Changed Commands

The following commands are modified in this release.

- OLD: 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> ] } ] ]
  - NEW: 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> ] [ <eth\_l3in\_ipv4bytes> ] [

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<eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] } { 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> ] [
<eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv6bytes> ] [ <eth_l3out_ipv6pkts> ]
} ]

• OLD: 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> ] } }

• NEW: 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> ] [ <eth_l3in_ipv4bytes> ] [
<eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] } { 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> ] [
<eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv6bytes> ] [ <eth_l3out_ipv6pkts> ]
} ]

• OLD: 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> ] } }

• NEW: 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> ] [ <eth_l3in_ipv4bytes> ] [
<eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] } { 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> ] [
<eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv6bytes> ] [ <eth_l3out_ipv6pkts> ]
} ]

• OLD: show interface <ifid_transceiver> transceiver [ calibrations | details | sprom ] [ __readonly__
TABLE_interface <interface> [ <sfp> ] [ <qsfp_or_cfp> ] [ <type> ] [ <name> ] [ <partnum> ] [ <rev>
] [ <serialnum> ] [ <nom_bitrate> ] [ <len_9> ] [ <len_9_2> ] [ <len_50> ] [ <len_625> ] [ <len_cu> ]
[ <len_50_OM3> ] [ <txcvr_type> ] [ <connector_type> ] [ <bit_encoding> ] [ <protocol_type> ] [
<10gbe_code> ] [ <fiber_type_byte0> ] [ <fiber_type_byte1> ] [ <tx_range> ] [ <cable_type> ] [ <ciscoid>
] [ <ciscoid_1> ] [ <cisco_part_number> ] [ <cisco_product_id> ] [ <cisco_version_id> ] [
<cisco_vendor_id> ] [ <firmware_version> ] [ <identifier> ] [ <ext_identifier> ] [ <connector> ] [
<infiniband_compliance_code> ] [ <sonet_compliance_code> ] [ <gigabit_ethernet_compliance_code>
] [ <fibre_chan_link_length> ] [ <fibre_chan_trans_technology> ] [ <fibre_chan_trans_tech_reserved>
] [ <fibre_chan_transmission_media> ] [ <fibre_chan_speed> ] [ <encoding> ] [ <br_nominal> ] [
<reserved1> ] [ <length_smf> ] [ <length_om5> ] [ <length_om4> ] [ <length_om3> ] [ <length_om2>
] [ <length_om1> ] [ <length_9u_1> ] [ <length_9u_2> ] [ <length_50u> ] [ <length_60u> ] [
<length_copper> ] [ <reserved3> ] [ <wave_length> ] [ <wave_len_tolerance> ] [ <vendor_oui> ] [
<vendor_part_no> ] [ <vendor_revision> ] [ <reserved4> ] [ <check_code_id> ] [ <options> ] [ <br_max>
] [ <br_min> ] [ <vendor_serial_no> ] [ <data_code> ] [ <diagnostic_monitoring_type> ] [
<enhanced_options> ] [ <sff8472compliance> ] [ <check_code_ext> ] [ <vendor_specific_data_id_data>
]
}

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## Changed Commands

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[ [ <date_code> ] [ <clei_code> ] [ <power_class> ] [ <max_power> ] [ <cable_attenuation> ] [ <near_end_lanes> ] [ <far_end_lanes> ] [ <media_interface> ] [ <adv_code> ] [ <host_elt_intf_code> ] [ <med_intf_adv_code> ] [ <host_lane_count> ] [ <med_lane_count> ] [ <max_mod_temp> ] [ <min_mod_temp> ] [ <min_op_VOLT> ] [ <info_not_available> ] [ <temp_slope> ] [ <temp_offset> ] [ <volt_slope> ] [ <volt_offset> ] [ <curr_slope> ] [ <curr_offset> ] [ <tx_pwr_slope> ] [ <tx_pwr_offset> ] [ <rx_pwr_4> ] [ <rx_pwr_3> ] [ <rx_pwr_2> ] [ <rx_pwr_1> ] [ <rx_pwr_0> ] [ TABLE_lane [ <lane_number> ] [ <temperature> ] [ <temp_flag> ] [ <temp_alarm_hi> ] [ <temp_alarm_lo> ] [ <temp_warn_hi> ] [ <temp_warn_lo> ] [ <voltage> ] [ <volt_flag> ] [ <volt_alarm_hi> ] [ <volt_alarm_lo> ] [ <volt_warn_hi> ] [ <volt_warn_lo> ] [ <current> ] [ <current_flag> ] [ <current_alarm_hi> ] [ <current_alarm_lo> ] [ <current_warn_hi> ] [ <current_warn_lo> ] [ <tx_pwr> ] [ <tx_pwr_flag> ] [ <tx_pwr_alarm_hi> ] [ <tx_pwr_alarm_lo> ] [ <tx_pwr_warn_hi> ] [ <tx_pwr_warn_lo> ] [ <rx_pwr> ] [ <rx_pwr_flag> ] [ <rx_pwr_alarm_hi> ] [ <rx_pwr_alarm_lo> ] [ <rx_pwr_warn_hi> ] [ <rx_pwr_warn_lo> ] [ <xmit_faults> ] [ <snr> ] [ <snr_flag> ] [ <snr_alarm_hi> ] [ <snr_alarm_lo> ] [ <snr_warn_hi> ] [ <snr_warn_lo> ] [ <isi> ] [ <isi_flag> ] [ <isi_alarm_hi> ] [ <isi_alarm_lo> ] [ <isi_warn_hi> ] [ <isi_warn_lo> ] [ <pam> ] [ <pam_flag> ] [ <pam_alarm_hi> ] [ <pam_alarm_lo> ] [ <pam_warn_hi> ] [ <pam_warn_lo> ] [ <pre_fec_ber> ] [ <pre_fec_ber_flag> ] [ <pre_fec_ber_alarm_hi> ] [ <pre_fec_ber_alarm_lo> ] [ <pre_fec_ber_warn_hi> ] [ <pre_fec_ber_warn_lo> ] [ <uncorrect_ber> ] [ <uncorrect_ber_flag> ] [ <uncorrect_ber_alarm_hi> ] [ <uncorrect_ber_alarm_lo> ] [ <uncorrect_ber_warn_hi> ] [ <tec_current> ] [ <tec_current_flag> ] [ <tec_current_alarm_hi> ] [ <tec_current_alarm_lo> ] [ <tec_current_warn_hi> ] [ <tec_current_warn_lo> ] [ <laser_freq> ] [ <laser_freq_flag> ] [ <laser_freq_alarm_hi> ] [ <laser_freq_alarm_lo> ] [ <laser_freq_warn_hi> ] [ <laser_freq_warn_lo> ] [ <laser_temp> ] [ <laser_temp_flag> ] [ <laser_temp_alarm_hi> ] [ <laser_temp_alarm_lo> ] [ <laser_temp_warn_hi> ] [ <laser_temp_warn_lo> ] [ <pre_fec_ber_acc> ] [ <pre_fec_ber_acc_flag> ] [ <pre_fec_ber_acc_alarm_hi> ] [ <pre_fec_ber_acc_alarm_lo> ] [ <pre_fec_ber_acc_warn_hi> ] [ <pre_fec_ber_acc_warn_lo> ] [ <pre_fec_ber_min> ] [ <pre_fec_ber_min_flag> ] [ <pre_fec_ber_min_alarm_hi> ] [ <pre_fec_ber_min_alarm_lo> ] [ <pre_fec_ber_min_warn_hi> ] [ <pre_fec_ber_min_warn_lo> ] [ <pre_fec_ber_max> ] [ <pre_fec_ber_max_flag> ] [ <pre_fec_ber_max_alarm_hi> ] [ <pre_fec_ber_max_alarm_lo> ] [ <pre_fec_ber_max_warn_hi> ] [ <pre_fec_ber_max_warn_lo> ] [ <pre_fec_ber_cur> ] [ <pre_fec_ber_cur_flag> ] [ <pre_fec_ber_cur_alarm_hi> ] [ <pre_fec_ber_cur_alarm_lo> ] [ <pre_fec_ber_cur_warn_hi> ] [ <pre_fec_ber_cur_warn_lo> ] [ <uncorrect_ber_acc> ] [ <uncorrect_ber_acc_flag> ] [ <uncorrect_ber_acc_alarm_hi> ] [ <uncorrect_ber_acc_alarm_lo> ] [ <uncorrect_ber_acc_warn_hi> ] [ <uncorrect_ber_acc_warn_lo> ] [ <uncorrect_ber_min> ] [ <uncorrect_ber_min_flag> ] [ <uncorrect_ber_min_alarm_hi> ] [ <uncorrect_ber_min_alarm_lo> ] [ <uncorrect_ber_min_warn_hi> ] [ <uncorrect_ber_min_warn_lo> ] [ <uncorrect_ber_max> ] [ <uncorrect_ber_max_flag> ] [ <uncorrect_ber_max_alarm_hi> ] [ <uncorrect_ber_max_alarm_lo> ] [ <uncorrect_ber_max_warn_hi> ] [ <uncorrect_ber_max_warn_lo> ] [ <uncorrect_ber_cur> ] [ <uncorrect_ber_cur_flag> ] [ <uncorrect_ber_cur_alarm_hi> ] [ <uncorrect_ber_cur_alarm_lo> ] [ <uncorrect_ber_cur_warn_hi> ] [ <uncorrect_ber_cur_warn_lo> ] ] ]
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- NEW: show interface <ifid\_transceiver> transceiver [ calibrations | details | srom ] [ \_\_readonly\_\_ TABLE\_interface <interface> [ <sfp> ] [ <qsfp\_or\_cfp> ] [ <type> ] [ <name> ] [ <partnum> ] [ <rev> ] [ <serialnum> ] [ <nom\_bitrate> ] [ <len\_9> ] [ <len\_9\_2> ] [ <len\_50> ] [ <len\_625> ] [ <len\_cu> ] [ <len\_50\_OM3> ] [ <txcvr\_type> ] [ <connector\_type> ] [ <bit\_encoding> ] [ <protocol\_type> ] [ <10gbe\_code> ] [ <fiber\_type\_byte0> ] [ <fiber\_type\_byte1> ] [ <tx\_range> ] [ <cable\_type> ] [ <ciscoid> ] [ <ciscoid\_1> ] [ <cisco\_part\_number> ] [ <cisco\_product\_id> ] [ <cisco\_version\_id> ] [ <cisco\_vendor\_id> ] [ <firmware\_version> ] [ <identifier> ] [ <ext\_identifier> ] [ <connector> ] [ <infiniband\_compliance\_code> ] [ <sonet\_compliance\_code> ] [ <gigabit\_ethernet\_compliance\_code> ] [ <fibre\_chan\_link\_length> ] [ <fibre\_chan\_trans\_technology> ] [ <fibre\_chan\_trans\_tech\_reserved> ] [ <fibre\_chan\_transmission\_media> ] [ <fibre\_chan\_speed> ] [ <encoding> ] [ <br\_nominal> ] [ <reserved1> ] [ <length\_smf> ] [ <length\_om5> ] [ <length\_om4> ] [ <length\_om3> ] [ <length\_om2> ] [ <length\_om1> ] [ <length\_9u\_1> ] [ <length\_9u\_2> ] [ <length\_50u> ] [ <length\_60u> ] [

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<length_copper> ] [ <reserved3> ] [ <wave_length> ] [ <wave_len_tolerance> ] [ <vendor_oui> ] [
<vendor_part_no> ] [ <vendor_revision> ] [ <reserved4> ] [ <check_code_id> ] [ <options> ] [ <br_max>
] [ <br_min> ] [ <vendor_serial_no> ] [ <data_code> ] [ <diagnostic_monitoring_type> ] [
<enhanced_options> ] [ <sff8472compliance> ] [ <check_code_ext> ] [ <vendor_specific_data_id_data>
] [ <date_code> ] [ <clei_code> ] [ <power_class> ] [ <max_power> ] [ <cable_attenuation> ] [
<near_end_lanes> ] [ <far_end_lanes> ] [ <media_interface> ] [ <adv_code> ] [ <host_elt_intf_code>
] [ <med_intf_adv_code> ] [ <cable_length> ] [ <host_lane_count> ] [ <med_lane_count> ] [
<max_mod_temp> ] [ <min_mod_temp> ] [ <min_op_volt> ] [ <info_not_available> ] [ <temp_slope>
] [ <temp_offset> ] [ <volt_slope> ] [ <volt_offset> ] [ <curr_slope> ] [ <curr_offset> ] [ <tx_pwr_slope>
] [ <tx_pwr_offset> ] [ <rx_pwr_4> ] [ <rx_pwr_3> ] [ <rx_pwr_2> ] [ <rx_pwr_1> ] [ <rx_pwr_0> ] [
TABLE_lane [ <lane_number> ] [ <temperature> ] [ <temp_flag> ] [ <temp_alarm_hi> ] [ <temp_alarm_lo>
] [ <temp_warn_hi> ] [ <temp_warn_lo> ] [ <voltage> ] [ <volt_flag> ] [ <volt_alarm_hi> ] [
<volt_alarm_lo> ] [ <volt_warn_hi> ] [ <volt_warn_lo> ] [ <current> ] [ <current_flag> ] [
<current_alarm_hi> ] [ <current_alarm_lo> ] [ <current_warn_hi> ] [ <current_warn_lo> ] [ <tx_pwr> ] [
<tx_pwr_flag> ] [ <tx_pwr_alarm_hi> ] [ <tx_pwr_alarm_lo> ] [ <tx_pwr_warn_hi> ] [ <tx_pwr_warn_lo>
] [ <rx_pwr> ] [ <rx_pwr_flag> ] [ <rx_pwr_alarm_hi> ] [ <rx_pwr_alarm_lo> ] [ <rx_pwr_warn_hi> ] [
<rx_pwr_warn_lo> ] [ <xmit_faults> ] [ <snr> ] [ <snr_flag> ] [ <snr_alarm_hi> ] [ <snr_alarm_lo> ] [
<snr_warn_hi> ] [ <snr_warn_lo> ] [ <isi> ] [ <isi_flag> ] [ <isi_alarm_hi> ] [ <isi_alarm_lo> ] [
<isi_warn_hi> ] [ <isi_warn_lo> ] [ <pam> ] [ <pam_flag> ] [ <pam_alarm_hi> ] [ <pam_alarm_lo> ] [
<pam_warn_hi> ] [ <pam_warn_lo> ] [ <pre_fec_ber> ] [ <pre_fec_ber_flag> ] [ <pre_fec_ber_alarm_hi>
] [ <pre_fec_ber_alarm_lo> ] [ <pre_fec_ber_warn_hi> ] [ <pre_fec_ber_warn_lo> ] [ <uncorrect_ber>
] [ <uncorrect_ber_flag> ] [ <uncorrect_ber_alarm_hi> ] [ <uncorrect_ber_alarm_lo> ] [
<uncorrect_ber_warn_hi> ] [ <uncorrect_ber_warn_lo> ] [ <tec_current> ] [ <tec_current_flag> ] [
<tec_current_alarm_hi> ] [ <tec_current_alarm_lo> ] [ <tec_current_warn_hi> ] [ <tec_current_warn_lo>
] [ <laser_freq> ] [ <laser_freq_flag> ] [ <laser_freq_alarm_hi> ] [ <laser_freq_alarm_lo> ] [
<laser_freq_warn_hi> ] [ <laser_freq_warn_lo> ] [ <laser_temp> ] [ <laser_temp_flag> ] [
<laser_temp_alarm_hi> ] [ <laser_temp_alarm_lo> ] [ <laser_temp_warn_hi> ] [ <laser_temp_warn_lo>
] [ <pre_fec_ber_acc> ] [ <pre_fec_ber_acc_flag> ] [ <pre_fec_ber_acc_alarm_hi> ] [
<pre_fec_ber_acc_alarm_lo> ] [ <pre_fec_ber_acc_warn_hi> ] [ <pre_fec_ber_acc_warn_lo> ] [
<pre_fec_ber_min> ] [ <pre_fec_ber_min_flag> ] [ <pre_fec_ber_min_alarm_hi> ] [
<pre_fec_ber_min_alarm_lo> ] [ <pre_fec_ber_min_warn_hi> ] [ <pre_fec_ber_min_warn_lo> ] [
<pre_fec_ber_max> ] [ <pre_fec_ber_max_flag> ] [ <pre_fec_ber_max_alarm_hi> ] [
<pre_fec_ber_max_alarm_lo> ] [ <pre_fec_ber_max_warn_hi> ] [ <pre_fec_ber_max_warn_lo> ] [
<pre_fec_ber_cur> ] [ <pre_fec_ber_cur_flag> ] [ <pre_fec_ber_cur_alarm_hi> ] [
<pre_fec_ber_cur_alarm_lo> ] [ <pre_fec_ber_cur_warn_hi> ] [ <pre_fec_ber_cur_warn_lo> ] [
<uncorrect_ber_acc> ] [ <uncorrect_ber_acc_flag> ] [ <uncorrect_ber_acc_alarm_hi> ] [
<uncorrect_ber_acc_alarm_lo> ] [ <uncorrect_ber_acc_warn_hi> ] [ <uncorrect_ber_acc_warn_lo> ] [
<uncorrect_ber_min> ] [ <uncorrect_ber_min_flag> ] [ <uncorrect_ber_min_alarm_hi> ] [
<uncorrect_ber_min_alarm_lo> ] [ <uncorrect_ber_min_warn_hi> ] [ <uncorrect_ber_min_warn_lo> ] [
<uncorrect_ber_max> ] [ <uncorrect_ber_max_flag> ] [ <uncorrect_ber_max_alarm_hi> ] [
<uncorrect_ber_max_alarm_lo> ] [ <uncorrect_ber_max_warn_hi> ] [ <uncorrect_ber_max_warn_lo> ] [
<uncorrect_ber_cur> ] [ <uncorrect_ber_cur_flag> ] [ <uncorrect_ber_cur_alarm_hi> ] [
<uncorrect_ber_cur_alarm_lo> ] [ <uncorrect_ber_cur_warn_hi> ] [ <uncorrect_ber_cur_warn_lo> ] ]

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- OLD: show interface counters [ module <module> ] [ \_\_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\_beastpkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outpkts> ] [ <eth\_outbytes> ] [
<eth\_outucast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_mcastpkts>
] [ <eth\_l3out\_beastpkts> ] [ <eth\_l3out\_ucastpkts> ] } ]

**Changed Commands**

- NEW: show interface counters [ module <module> ] [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inpkts> ] [ <fc\_inframes> ] [ <eth\_inbytes> ] [ <fc\_inbytes> ] [ <eth\_inicast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_roadcastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] [ <eth\_l3in\_ipv4bytes> ] [ <eth\_l3in\_ipv4pkts> ] [ <eth\_l3in\_ipv6bytes> ] [ <eth\_l3in\_ipv6pkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outpkts> ] [ <eth\_outbytes> ] [ <eth\_outicast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_roadcastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] [ <eth\_l3out\_ipv4bytes> ] [ <eth\_l3out\_ipv4pkts> ] [ <eth\_l3out\_ipv6bytes> ] [ <eth\_l3out\_ipv6pkts> ] } ] }
- OLD: show interface counters [ non-zero ] [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inpkts> ] [ <eth\_inbytes> ] [ <eth\_inicast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_roadcastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outpkts> ] [ <eth\_outbytes> ] [ <eth\_outicast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_roadcastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] } ] }
- NEW: show interface counters [ non-zero ] [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inpkts> ] [ <eth\_inbytes> ] [ <eth\_inicast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_roadcastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] [ <eth\_l3in\_ipv4bytes> ] [ <eth\_l3in\_ipv4pkts> ] [ <eth\_l3in\_ipv6bytes> ] [ <eth\_l3in\_ipv6pkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outpkts> ] [ <eth\_outbytes> ] [ <eth\_outicast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_roadcastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] [ <eth\_l3out\_ipv4bytes> ] [ <eth\_l3out\_ipv4pkts> ] [ <eth\_l3out\_ipv6bytes> ] [ <eth\_l3out\_ipv6pkts> ] } ] }
- OLD: show interface counters snmp [ module <module> ] [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inpkts> ] [ <eth\_inbytes> ] [ <eth\_inicast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_roadcastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outpkts> ] [ <eth\_outbytes> ] [ <eth\_outicast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_roadcastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] } ] }
- NEW: show interface counters snmp [ module <module> ] [ \_\_readonly\_\_ { TABLE\_rx\_counters <interface\_rx> [ <eth\_inpkts> ] [ <eth\_inbytes> ] [ <eth\_inicast> ] [ <eth\_inmcast> ] [ <eth\_inbcast> ] [ <eth\_l3in\_bytes> ] [ <eth\_l3in\_roadcastpkts> ] [ <eth\_l3in\_mcastpkts> ] [ <eth\_l3in\_bcastpkts> ] [ <eth\_l3in\_ipv4bytes> ] [ <eth\_l3in\_ipv4pkts> ] [ <eth\_l3in\_ipv6bytes> ] [ <eth\_l3in\_ipv6pkts> ] } { TABLE\_tx\_counters <interface\_tx> [ <eth\_outpkts> ] [ <eth\_outbytes> ] [ <eth\_outicast> ] [ <eth\_outmcast> ] [ <eth\_outbcast> ] [ <eth\_l3out\_bytes> ] [ <eth\_l3out\_roadcastpkts> ] [ <eth\_l3out\_mcastpkts> ] [ <eth\_l3out\_bcastpkts> ] [ <eth\_l3out\_ipv4bytes> ] [ <eth\_l3out\_ipv4pkts> ] [ <eth\_l3out\_ipv6bytes> ] [ <eth\_l3out\_ipv6pkts> ] } ] }
- OLD: show ip arp suppression-cache { detail [ vlan <vlan\_id> ] | summary | statistics | vlan <vlan\_id> | local [ vlan <vlan\_id> ] | remote [ vlan <vlan\_id> ] } [ \_\_readonly\_\_ TABLE\_arp-suppression [ TABLE\_entries <ip-addr> <age> <mac> <vlan> <physical-iod> <flag> [ <remote-vtep-addr> | <remote-vtep-v6addr> ] ] [ TABLE\_summary <remote-count> <local-count> <total-count> ] [ TABLE\_stats TABLE\_suppressed <total> <requests> <requests-on-l2> <gratuitous> <gratuitous-on-l2> TABLE\_forwarded <total-sent> <requests-sent> <replies-sent> <requests-on-core-sent> <replies-on-core-sent> <dropped-sent> <requests-on-l2-sent> <replies-on-l2-sent> <requests-on-core-l2-sent> <replies-on-core-l2-sent> <dropped-l2-sent> TABLE\_received <total-recv> <requests-recv> <replies-recv> <local-requests-recv> <local-replies-recv> <gratuitous-recv> <dropped-recv> <requests-on-l2-recv> <replies-on-l2-recv> <gratuitous-l2-recv> <dropped-l2-recv> TABLE\_entrystats <adds> <dels> ] ] }

- NEW: show ip arp suppression-cache { detail [ vlan <vlan\_id> ] | summary | statistics | vlan <vlan\_id> | local [ vlan <vlan\_id> ] | remote [ vlan <vlan\_id> ] } [ \_\_readonly\_\_ TABLE\_arp-suppression [ TABLE\_entries <ip-addr> <age> <mac> <vlan> <physical-iod> <flag> [ <remote-vtep-addr> | <remote-vtep-v6addr> ] ] [ TABLE\_summary <remote-count> <local-count> <total-count> ] [ TABLE\_stats TABLE suppressed <total> <requests> <requests-on-l2> <gratuitous> <gratuitous-on-l2> TABLE\_forwarded <total-sent> <requests-sent> <replies-sent> <requests-on-core-sent> <replies-on-core-sent> <arp-probe-flood> <dropped-sent> <requests-on-l2-sent> <replies-on-l2-sent> <requests-on-core-l2-sent> <replies-on-core-l2-sent> <arp-probe-flood-l2> <dropped-l2-sent> TABLE\_received <total-recv> <requests-recv> <replies-recv> <local-requests-recv> <local-replies-recv> <gratuitous-recv> <dropped-recv> <requests-on-l2-recv> <replies-on-l2-recv> <gratuitous-l2-recv> <dropped-l2-recv> TABLE\_entrystats <adds> <dels> ] ]
- OLD: show ip pim route [ [ <source> [ <group> ] ] | [ <group> [ <source> ] ] ] [ bitfield ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ \_\_readonly\_\_ [ TABLE\_vrf[ <context-name> ] [ <route-count> ] [ TABLE\_one\_route [ <mcast-addrs> ] [ <rp-addr> ] [ <rp-local> ] [ <bidir> ] [ <sgexpire> ] [ <sgrexpire> ] [ <timeleft> ] [ <rp-bit> ] [ <register> ] [ <intf-name> ] [ <rpf-nbr-1> ] [ <rpf-nbr-addr> ] [ <intf-name-2> ] [ <rpf-nbr-2> ] [ <uptime> ] [ <is-attached> ] [ <is-static> ] [ <zero-nonpim-oifs> ] [ <is-external> ] [ <otv-decap> ] [ <otv-router-mode> ] [ <non-dr-oifs-only> ] [ <data-created> ] [ <mdt-encap> ] [ <mdt-decap> ] [ <vxlan-decap> ] [ <vxlan-encap> ] [ <sw-pkts> ] [ <sw-bytes> ] [ <hw-pkts> ] [ <hw-bytes> ] [ <rpf-src> ] [ <mrib-rpf-notify> ] [ <add-pending> ] [ <aged-route> ] [ <sg-expiry-cfg> ] [ <jp-holdtime> ] [ <route-metric-internal> ] [ <metric-pref-internal> ] [ <delay-register-stop> ] [ <register-stop-rcvd> ] [ <lisp-src-rloc> ] [ TABLE\_lisp\_encap [ <encap-src-rloc> ] [ <encap-dst-rloc> ] [ <timeout-count> ] [ <add-pending> ] [ <del-pending> ] ] [ <oif-count> ] [ <oif-bf-str> ] [ <timeout-count> ] [ <timeout-bf-str> ] [ <immediate-count> ] [ <immediate-bf-str> ] [ <immediate-timeout-count> ] [ <immediate-timeout-bf-str> ] [ <sgr-prune-list-count> ] [ <sgr-prune-list-bf-str> ] [ <timeout-interval> ] [ <jp-holdtime-rndup> ] [ <mdt-encap-index> ] ] ] ]
- NEW: show ip pim route [ [ <source> [ <group> ] ] | [ <group> [ <source> ] ] ] [ bitfield ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ \_\_readonly\_\_ [ TABLE\_vrf[ <context-name> ] [ <route-count> ] [ TABLE\_one\_route [ <mcast-addrs> ] [ <rp-addr> ] [ <rp-local> ] [ <bidir> ] [ <sgexpire> ] [ <sgrexpire> ] [ <timeleft> ] [ <rp-bit> ] [ <register> ] [ <intf-name> ] [ <rpf-nbr-1> ] [ <rpf-nbr-addr> ] [ <oif-count> ] [ <oif-bf-str> ] [ <timeout-count> ] [ <timeout-bf-str> ] [ <immediate-count> ] [ <immediate-bf-str> ] [ <immediate-timeout-count> ] [ <immediate-timeout-bf-str> ] [ <sgr-prune-list-count> ] [ <sgr-prune-list-bf-str> ] [ <timeout-interval> ] [ <jp-holdtime-rndup> ] [ <mdt-encap-index> ] ] ] ]
- OLD: show ip pim route internal [ <source> <group> | <group> [ <source> ] ] { [ detail ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
- NEW: show ip pim route internal [ <source> <group> | <group> [ <source> ] ] { [ detail ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ \_\_readonly\_\_ [ TABLE\_vrf[ <context-name> ] [ <route-count> ] [ TABLE\_one\_route [ <mcast-addrs> ] [ <rp-addr> ] [ <rp-local> ] [ <bidir> ] [ <sgexpire> ] [ <sgrexpire> ] [ <timeleft> ] [ <rp-bit> ] [ <register> ] [ <intf-name> ] [ <rpf-nbr-1> ] [ <rpf-nbr-addr> ] [ <intf-name-2> ] [ <rpf-nbr-2> ] [ <uptime> ] [ <is-attached> ] [ <is-fabric-owned> ] [ <is-fabric-source> ] [ <is-static> ] [ <zero-nonpim-oifs> ] [ <is-external> ] [ <otv-decap> ] [ <otv-router-mode> ] [ <non-dr-oifs-only> ] [ <data-created> ] [ <force-punt> ] [ <mdt-encap> ] [ <mdt-decap> ] [ <vxlan-decap> ] [ <vxlan-encap> ] [ <sw-pkts> ] [ <sw-bytes> ] [ <hw-pkts> ] [ <hw-bytes> ] [ <rpf-src> ] [ <mrib-rpf-notify> ] [ <add-pending> ] [ <aged-route> ] [ <sg-expiry-cfg> ] [ <jp-holdtime> ] [ <route-metric> ] [ <metric-pref> ] [ <delay-register-stop> ] [ <register-stop-rcvd> ] [ <lisp-src-rloc> ] [ TABLE\_lisp\_encap [ <encap-src-rloc> ] [ <encap-dst-rloc> ] [ <timeout-count> ] [ <add-pending> ] [ <del-pending> ] ] [ <oif-count> ] [ <oif-bf-str> ] [ <timeout-count> ] [ <timeout-bf-str> ] [ <immediate-count> ] [ <immediate-bf-str> ] [ <immediate-timeout-count> ] [ <immediate-timeout-bf-str> ] ] ] ] ]

```
[ ] [ <sgr-prune-list-count> ] [ <sgr-prune-list-bf-str> ] [ <timeout-interval> ] [ <jp-holdtime-rndup> ] [ <mdt-encap-index> ] ] ] ]
```

- OLD: show tech-support interfaces
- NEW: show tech-support interfaces all
- OLD: show telemetry port-counters [ interface <if\_name> ] [ \_\_readonly\_\_ [ { TABLE\_port\_counters <if\_name> <portInIpv4> <portOutIpv4> <portInIpv6> <portOutIpv6> <portPacketInIpv4> <portPacketOutIpv4> <portPacketInIpv6> <portPacketOutIpv6> <portInIpv4Bps> <portOutIpv4Bps> <portInIpv6Bps> <portOutIpv6Bps> <portPacketInIpv4Pps> <portPacketOutIpv4Pps> <portPacketInIpv6Pps> <portPacketOutIpv6Pps> } ] ]
- NEW: show telemetry port-counters [ interface <if\_name> ] [ \_\_readonly\_\_ [ { TABLE\_port\_counters <if\_name> <portPacketInIpv4> <portInIpv4> <portPacketOutIpv4> <portOutIpv4> <portPacketInIpv4Pps> <portInIpv4Bps> <portPacketOutIpv4Pps> <portOutIpv4Bps> <portPacketInIpv6> <portInIpv6> <portPacketOutIpv6> <portOutIpv6> <portPacketInIpv6Pps> <portInIpv6Bps> <portPacketOutIpv6Pps> <portOutIpv6Bps> } ] ]

## Deprecated Commands

The following commands are removed in this release.

- show zone smart-zoning auto-conv log errors
- show zone smart-zoning auto-conv status vsan <i0>
- zone convert smart-zoning { { vsan1 <vsan\_id> } | { fcalias name <fcalias\_name> vsan2 <vsan\_id> | zone name1 <zone\_name> vsan2 <vsan\_id> | zoneset name2 <zs\_name> vsan2 <vsan\_id> } }