



New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.2(4)

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New Commands

The following commands are added in this release.

- show cdp traffic interface2 all [__readonly__ TABLE_cdp_traffic <intf_id> <total_input_packets> <valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors> <flap_cnt>]
- show lldp traffic interface all [__readonly__ TABLE_lldp_traffic_interface <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt>]
- show logging level ngmvpn
- show system internal icam event-history thresholds
- show system resources all-modules [__readonly__ { [<load_avg_1min>] [<load_avg_5min>] [<load_avg_15min>] [<processes_total>] [<processes_running>] [<cpu_state_user>] [<cpu_state_kernel>] [<cpu_state_idle>] [TABLE_cpu_usage <cpuid> <user> <kernel> <idle>] [<memory_usage_total>] [<memory_usage_used>] [<memory_usage_free>] [<current_memory_status>] }]

Changed Commands

The following commands are changed in this release.

- OLD: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<detect_timer>] [<down_count>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- NEW: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<detect_timer>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<up_count>] [<down_count>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- OLD: show cdp traffic interface2 <if2> [__readonly__ <intf_id> <total_input_packets> <valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors>]
- NEW: show cdp traffic interface2 <if2> [__readonly__ <intf_id> <total_input_packets> <valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors> <flap_cnt>]
- OLD: show consistency-checker forwarding [ip | ipv4] [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding [ip | ipv4] [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <id> <slot> [<unit>] <vrf> [<ipaddr>] [<ipprefix>] [<interface>] <reason>]]

Changed Commands

- NEW: show consistency-checker forwarding [ip | ipv4] [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding [ip | ipv4] [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <id> <slot> [<unit>] <vrf> [<ipaddr>] [<ipprefix>] [<interface>] <reason>]
- OLD: show consistency-checker forwarding ipv6 [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding ipv6 [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <idipv6> <slotipv6> [<unitipv6>] <vrifpv6> [<ipv6addr>] [<ipv6prefix>] [<interfaceipv6>] <reasonipv6>]
- NEW: show consistency-checker forwarding ipv6 [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding ipv6 [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <idipv6> <slotipv6> [<unitipv6>] <vrifpv6> [<ipv6addr>] [<ipv6prefix>] [<interfaceipv6>] <reasonipv6>]
- OLD: show hardware internal buffer info tah-pkt-stats [input] [module <module>] [instance <instance>] [port <port>] [subport <subport>] [brief | detail | peak] [__readonly__ { TABLE_ingress_buf <instance> <inst_total_cell> <inst_used_cell> <inst_free_cell> { TABLE_ingress_buf_per_inst <port> <subport> <qos0_instant_usage> <qos1_instant_usage> <qos2_instant_usage> <qos3_instant_usage> <qos4_instant_usage> <qos5_instant_usage> <qos6_instant_usage> <qos7_instant_usage> <port_instant_usage> <port_remain_usage> <port_peak_usage> <port_peak_usage2> } { TABLE_ingress_buf_stg2 <port_stg2> <hi_drop_usage> <lo_drop_usage> <hi_pause_usage> <lo_pause_usage> <port_instant_stg2> <port_remain_stg2> <port_peak_usage_stg2> <port_peak_usage2_stg2> } } { TABLE_instance <instance> <supports_8q> <total_instant_usage_drop_pg> <rem_instant_usage_drop_pg> <max_cell_usage_drop_pg> <switch_cell_count_drop_pg> <total_instant_usage_no_drop_pg> <rem_instant_usage_no_drop_pg> <max_cell_usage_no_drop_pg> <switch_cell_count_no_drop_pg> <total_instant_usage_cpu_pg> <rem_instant_usage_cpu_pg> <max_cell_usage_cpu_pg> <switch_cell_count_cpu_pg> <total_instant_usage_lcpu_pg> <rem_instant_usage_lcpu_pg> <max_cell_usage_lcpu_pg> <switch_cell_count_lcpu_pg> <total_instant_usage_rcpu_pg> <rem_instant_usage_rcpu_pg> <max_cell_usage_rcpu_pg> <switch_cell_count_rcpu_pg> <total_instant_usage_span_pg> <rem_instant_usage_span_pg> <max_cell_usage_span_pg> <switch_cell_count_span_pg> <total_instant_desc_usage_drop_pg> <rem_instant_desc_usage_drop_pg> <switch_desc_count_drop_pg> <total_instant_desc_usage_no_drop_pg> <rem_instant_desc_usage_no_drop_pg> <switch_desc_count_no_drop_pg> <total_instant_desc_usage_cpu_pg> <rem_instant_desc_usage_cpu_pg> <switch_desc_count_cpu_pg> <total_instant_desc_usage_lcpu_pg> <rem_instant_desc_usage_lcpu_pg> <switch_desc_count_lcpu_pg> <total_instant_desc_usage_rcpu_pg> <rem_instant_desc_usage_rcpu_pg> <switch_desc_count_rcpu_pg> <total_instant_desc_usage_span_pg> <rem_instant_desc_usage_span_pg> <switch_desc_count_span_pg> <ucpool_instant_usage_0> <ucpool_instant_desc_usage_0> <ucpool_max_cell_usage_0> <ucpool_instant_usage_1> <ucpool_instant_desc_usage_1> <ucpool_max_cell_usage_1> <ucpool_instant_usage_2> <ucpool_instant_desc_usage_2> <ucpool_max_cell_usage_2> <ucpool_instant_usage_3> <ucpool_instant_desc_usage_3> <ucpool_max_cell_usage_3> <ucpool_instant_usage_4> <ucpool_instant_desc_usage_4> <ucpool_max_cell_usage_4> <ucpool_instant_usage_5> <ucpool_instant_desc_usage_5> <ucpool_max_cell_usage_5> <ucpool_instant_usage_6> <ucpool_instant_desc_usage_6> <ucpool_max_cell_usage_6> <ucpool_instant_usage_7> <ucpool_instant_desc_usage_7> <ucpool_max_cell_usage_7> <mcpool_instant_usage_0> <mcpool_instant_desc_usage_0> <mcpool_instant_inq_usage_0> <mcpool_instant_pkts_usage_0> <mcpool_max_cell_usage_0> <mcpool_instant_usage_1> <mcpool_instant_desc_usage_1>

```

<mcpool_instant_inq_usage_1> <mcpool_instant_pkts_usage_1> <mcpool_max_cell_usage_1>
<mcpool_instant_usage_2> <mcpool_instant_desc_usage_2> <mcpool_instant_inq_usage_2>
<mcpool_instant_pkts_usage_2> <mcpool_max_cell_usage_2> <mcpool_instant_usage_3>
<mcpool_instant_desc_usage_3> <mcpool_instant_inq_usage_3> <mcpool_instant_pkts_usage_3>
<mcpool_max_cell_usage_3> <mcpool_instant_usage_4> <mcpool_instant_desc_usage_4>
<mcpool_instant_inq_usage_4> <mcpool_instant_pkts_usage_4> <mcpool_max_cell_usage_4>
<mcpool_instant_usage_5> <mcpool_instant_desc_usage_5> <mcpool_instant_inq_usage_5>
<mcpool_instant_pkts_usage_5> <mcpool_max_cell_usage_5> <mcpool_instant_usage_6>
<mcpool_instant_desc_usage_6> <mcpool_instant_inq_usage_6> <mcpool_instant_pkts_usage_6>
<mcpool_max_cell_usage_6> <mcpool_instant_usage_7> <mcpool_instant_desc_usage_7>
<mcpool_instant_inq_usage_7> <mcpool_instant_pkts_usage_7> <mcpool_max_cell_usage_7> {
TABLE_detail <egr_port> <port_uc_cells_q0> <port_mc_cells_q0> <port_mc_desc_q0>
<port_uc_cells_q1> <port_mc_cells_q1> <port_mc_desc_q1> <port_uc_cells_q2> <port_mc_cells_q2>
<port_mc_desc_q2> <port_uc_cells_q3> <port_mc_cells_q3> <port_mc_desc_q3> <port_uc_cells_q4>
<port_mc_cells_q4> <port_mc_desc_q4> <port_uc_cells_q5> <port_mc_cells_q5> <port_mc_desc_q5>
<port_uc_cells_q6> <port_mc_cells_q6> <port_mc_desc_q6> <port_uc_cells_q7> <port_mc_cells_q7>
<port_mc_desc_q7> } { TABLE_peak <peak_drop_pg> <peak_no_drop_pg> <peak_mc_pool_0>
<peak_mc_pool_1> <peak_mc_pool_2> <peak_mc_pool_3> <peak_mc_pool_4> <peak_mc_pool_5>
<peak_mc_pool_6> <peak_mc_pool_7> <peak_uc_pool_0> <peak_uc_pool_1> <peak_uc_pool_2>
<peak_uc_pool_3> <peak_uc_pool_4> <peak_uc_pool_5> <peak_uc_pool_6> <peak_uc_pool_7>
<oport> <count_0> <count_1> } }

```

- NEW: show hardware internal buffer info tah-pkt-stats [input] [module <module>] [instance <instance>] [port <port>] [subport <subport>] [brief | detail | peak | threshold] [__readonly__ { TABLE_ingress_buf <instance> <inst_total_cell> <inst_used_cell> <inst_free_cell> { TABLE_ingress_buf_per_inst <port> <subport> <qos0_instant_usage> <qos1_instant_usage> <qos2_instant_usage> <qos3_instant_usage> <qos4_instant_usage> <qos5_instant_usage> <qos6_instant_usage> <qos7_instant_usage> <port_instant_usage> <port_remain_usage> <port_peak_usage> <port_peak_usage2> } { TABLE_ingress_buf_stg2 <port_stg2> <hi_drop_usage> <lo_drop_usage> <hi_pause_usage> <lo_pause_usage> <port_instant_stg2> <port_remain_stg2> <port_peak_usage_stg2> <port_peak_usage2_stg2> } } { TABLE_instance <instance> <supports_8q> <total_instant_usage_drop_pg> <rem_instant_usage_drop_pg> <max_cell_usage_drop_pg> <switch_cell_count_drop_pg> <total_instant_usage_no_drop_pg> <rem_instant_usage_no_drop_pg> <max_cell_usage_no_drop_pg> <switch_cell_count_no_drop_pg> <total_instant_usage_cpu_pg> <rem_instant_usage_cpu_pg> <max_cell_usage_cpu_pg> <switch_cell_count_cpu_pg> <total_instant_usage_lcpu_pg> <rem_instant_usage_lcpu_pg> <max_cell_usage_lcpu_pg> <switch_cell_count_lcpu_pg> <total_instant_usage_rcpu_pg> <rem_instant_usage_rcpu_pg> <max_cell_usage_rcpu_pg> <switch_cell_count_rcpu_pg> <total_instant_usage_span_pg> <rem_instant_usage_span_pg> <max_cell_usage_span_pg> <switch_cell_count_span_pg> <total_instant_desc_usage_drop_pg> <rem_instant_desc_usage_drop_pg> <switch_desc_count_drop_pg> <total_instant_desc_usage_no_drop_pg> <rem_instant_desc_usage_no_drop_pg> <switch_desc_count_no_drop_pg> <total_instant_desc_usage_cpu_pg> <rem_instant_desc_usage_cpu_pg> <switch_desc_count_cpu_pg> <total_instant_desc_usage_lcpu_pg> <rem_instant_desc_usage_lcpu_pg> <switch_desc_count_lcpu_pg> <total_instant_desc_usage_rcpu_pg> <rem_instant_desc_usage_rcpu_pg> <switch_desc_count_rcpu_pg> <total_instant_desc_usage_span_pg> <rem_instant_desc_usage_span_pg> <switch_desc_count_span_pg> <ucpool_instant_usage_0> <ucpool_desc_usage_0> <ucpool_max_cell_usage_0> <ucpool_instant_usage_1> <ucpool_desc_usage_1> <ucpool_max_cell_usage_1> <ucpool_instant_usage_2> <ucpool_desc_usage_2> <ucpool_max_cell_usage_2> <ucpool_instant_usage_3> <ucpool_desc_usage_3> <ucpool_max_cell_usage_3> <ucpool_instant_usage_4> <ucpool_desc_usage_4> <ucpool_max_cell_usage_4> <ucpool_instant_usage_5> <ucpool_desc_usage_5> <ucpool_max_cell_usage_5> <ucpool_instant_usage_6>

Changed Commands

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<ucpool_instant_desc_usage_6><ucpool_max_cell_usage_6><ucpool_instant_usage_7>
<ucpool_instant_desc_usage_7><ucpool_max_cell_usage_7><mcpool_instant_usage_0>
<mcpool_instant_desc_usage_0><mcpool_instant_inq_usage_0><mcpool_instant_pkts_usage_0>
<mcpool_max_cell_usage_0><mcpool_instant_usage_1><mcpool_instant_desc_usage_1>
<mcpool_instant_inq_usage_1><mcpool_instant_pkts_usage_1><mcpool_max_cell_usage_1>
<mcpool_instant_usage_2><mcpool_instant_desc_usage_2><mcpool_instant_inq_usage_2>
<mcpool_instant_pkts_usage_2><mcpool_max_cell_usage_2><mcpool_instant_usage_3>
<mcpool_instant_desc_usage_3><mcpool_instant_inq_usage_3><mcpool_instant_pkts_usage_3>
<mcpool_max_cell_usage_3><mcpool_instant_usage_4><mcpool_instant_desc_usage_4>
<mcpool_instant_inq_usage_4><mcpool_instant_pkts_usage_4><mcpool_max_cell_usage_4>
<mcpool_instant_usage_5><mcpool_instant_desc_usage_5><mcpool_instant_inq_usage_5>
<mcpool_instant_pkts_usage_5><mcpool_max_cell_usage_5><mcpool_instant_usage_6>
<mcpool_instant_desc_usage_6><mcpool_instant_inq_usage_6><mcpool_instant_pkts_usage_6>
<mcpool_max_cell_usage_6><mcpool_instant_usage_7><mcpool_instant_desc_usage_7>
<mcpool_instant_inq_usage_7><mcpool_instant_pkts_usage_7><mcpool_max_cell_usage_7> {
  TABLE_detail <egr_port> <port_uc_cells_q0> <port_mc_cells_q0> <port_mc_desc_q0>
  <port_uc_cells_q1> <port_mc_cells_q1> <port_mc_desc_q1> <port_uc_cells_q2> <port_mc_cells_q2>
  <port_mc_desc_q2> <port_uc_cells_q3> <port_mc_cells_q3> <port_mc_desc_q3> <port_uc_cells_q4>
  <port_mc_cells_q4> <port_mc_desc_q4> <port_uc_cells_q5> <port_mc_cells_q5> <port_mc_desc_q5>
  <port_uc_cells_q6> <port_mc_cells_q6> <port_mc_desc_q6> <port_uc_cells_q7> <port_mc_cells_q7>
  <port_mc_desc_q7> } { TABLE_peak <peak_drop_pg> <peak_no_drop_pg> <peak_mc_pool_0>
  <peak_mc_pool_1> <peak_mc_pool_2> <peak_mc_pool_3> <peak_mc_pool_4> <peak_mc_pool_5>
  <peak_mc_pool_6> <peak_mc_pool_7> <peak_uc_pool_0> <peak_uc_pool_1> <peak_uc_pool_2>
  <peak_uc_pool_3> <peak_uc_pool_4> <peak_uc_pool_5> <peak_uc_pool_6> <peak_uc_pool_7>
  <oport> <count_0> <count_1> } } ]

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- OLD: show hardware internal forwarding l2 table utilization [instance { <instance_number> | all }] [no-header] [module <num>] [__readonly__ TABLE_l2_util_info <module> <instance> <total> <used> <mcast> <ucast> <lines> <lines_full>]
- NEW: show hardware internal forwarding l2 table utilization [instance { [<instance_number> | all] [module <num>] } | module1 { [<num> | all1] [instance1 <instance_number1>] }] [no-header] [__readonly__ TABLE_l2_util_info <module> <instance> <total> <used> <mcast> <ucast> <lines> <lines_full>]
- OLD: show icam prediction resource acl_tcam module <module> inst <inst> trend [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <FeatureEntries1> <FreeEntries1> <PercentUtil1> <FeatureEntries2> <FreeEntries2> <PercentUtil2> <FeatureEntries3> <FreeEntries3> <PercentUtil3> }] [<mod> <inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used1> <Free1> <Util1> <Used2> <Free2> <Util2> <Used3> <Free3> <Util3> }]]
- NEW: show icam prediction resource { acl_tcam | acl-tcam | fib_tcam | fib-tcam } module <module> inst <inst> <YYYY> <Month> <Date> <Time> [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <FeatureEntries> <FreeEntries> <PercentUtil> }] [<mod> <inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used> <Free> <PercentUtil> }] [{ TABLE_PREDICTION_FIB_tcam <Class> <UsedEntries> <MaxEntries> <PercentUtil> }]]
- OLD: show icam prediction resource { acl_tcam | fib_tcam } module <module> inst <inst> <YYYY> <Month> <Date> <Time> [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <FeatureEntries> <FreeEntries> <PercentUtil> }] [<mod>

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<inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used> <Free> <Percent_Util>
} ] [ { TABLE_PREDICTION_FIB_tcam <Class> <Used_Entries> <Max_Entries> <Percent_Util> } ]
]

• NEW: show icam prediction resource { acl_tcam | acl-tcam } mod <module> inst <inst> trend [
__readonly__ <module><instance>[ { TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM>
<BANK> <Feature_Entries1> <FreeEntries1> <Percent_Util1> <Feature_Entries2> <FreeEntries2>
<Percent_Util2> <Feature_Entries3> <FreeEntries3> <Percent_Util3> } ] [ <mod> <inst> {
TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used1> <Free1> <Util1> <Used2>
<Free2> <Util2> <Used3> <Free3> <Util3> } ] ]

• OLD: show icam prediction scale [ { { l2-switching [ mac-addresses | mst-instances | mst-vports |
rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans ] } | { multicast-routing [ multicast-routes |
igmp-groups | pim-neighbors | outgoing-interfaces ] } | { unicast-routing [ bfd-sessions | eigrp-routes |
ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf
| ospf-passive-intf ] } | { vxlan [ test ] } } ] <YYYY> <Month> <Date> <Time> [ __readonly__ [
<Info_Thres> <Warn_Thres> <Crit_Thres> ] [ { TABLE_technology <Technology> [ { TABLE_feature
<Feature> <Verified_Scale> <Config_Scale> [ { TABLE_feature_stats <Used_Entries> [ <Cur_Util>
] } ] } ] } ] ]

• NEW: show icam prediction scale [ { { l2-switching [ mac-addresses | mst-instances | mst-vports |
rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport |
rpvst-vport | rpvst-vlan | isolated-portvlan } | vlan { vlan-count } } ] | { multicast-routing [ multicast-routes |
igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 |
outgoing-interface } | igmp { group } | pim { neighbor } } ] | { unicast-routing [ bfd-sessions | eigrp-routes |
ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf
| ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp {
arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6
} | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } } | vrrp {
grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrpp3 { grp-per-intf
| grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path } ] } | { vxlan [ igmp { vlan | vtep |
underlay-mcast-group } | fl { vni | underlay-mcast-group | total-mac | vtep | ir-peer | ir-vni | ir-mac |
vlan-mapping-under-intf | wlan-mapping-in-switch | static-mac-to-vtep | wlan-logical-port-vp |
vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep |
mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | wlan-logical-port-vp |
vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 |
overlay-lpm-route-v4 | overlay-lpm-route-v6 | wlan-logical-port-vp | wlan-per-fex-port | igmp-group } ] } ] <YYYY> <Month> <Date> <Time> [ __readonly__ [ <Info_Thres> <Warn_Thres> <Crit_Thres> ] [ { TABLE_technology <Technology> [ { TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [ { TABLE_feature_stats <Used_Entries> [ <Cur_Util> ] } ] } ] } ] ]

• OLD: show icam resource { acl_tcam | fib_tcam } module <module> inst <inst> [ history <num_intervals>
] [ __readonly__ <module><instance> [ { TABLE_feature_resource <Feature> <TCAM> <BANK> [
{ TABLE_ingress_stats <Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> } ] ] [ { TABLE_egress_feature_resource <Feature> <TCAM> <BANK> [ { TABLE_egress_stats
<Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> } ] ] [ <mod> <inst> {
TABLE_tcam_bank_utilization <Tcam_no> <Bank_no> [ { TABLE_tcam_bank_stats <Used> <Free>
<Percent_Util> <Timestamp> } ] ] [ { TABLE_global_configs <Atomic_Update> <Bank_Chain_Mode>
<Dynamic_Bank_Mapping> <LOU_Threshold_Value> } ] [ { TABLE_fib_resource <Class> [
{ TABLE_fib_stats <Used_Entries> <Max_Entries> <Percent_Util> <Timestamp> } ] } ] ]
]

```

Changed Commands

][<ntp-sync-tolerance>][<ntp-sync-toltype>][<vrf-name>][<control-enabled>][<http-oper>][<http-version>][<url>][<proxy>][<raw-strings>][<cache-control>][<http-vrf-name>][<http-owner>][<http-tag>][<http-timeout>][<frequency>][<secondary-freq-timeout>][<secondary-freq-loss>][<next-start-time>][<group-scheduled>][<randomly-scheduled>][<low-frequency>][<high-frequency>][<life>][<ageout>][<recurring>][<status-of-entry>][<threshold>][<hours>][<buckets>][<interval>][<einterval>][<ebuckets>][<lives>][<hsbuckets>][<filter>] }

- NEW: show ip sla configuration [<entry-num>][__readonly__ { TABLE_configuration [<index>][<owner>][<tag>][<timeout>][<oper-type>][<dest-ip>][<source-int>][<source-ip>][<dest-port>][<source-port>][<dns-source-port>][<traffic-class>][<tos>][<dns-name-server>][<flow-label>][<switch-id>][<profile-id>][<interface>][<packet-size>][<packet-interval>][<num-packets>][<codec-type>][<codec-num-packets>][<codec-packet-size>][<codec-packet-interval>][<codec-adv-factor>][<verify-data>][<data-pattern>][<precision>][<packet-priority>][<ntp-sync-tolerance>][<ntp-sync-toltype>][<vrf-name>][<control-enabled>][<http-oper>][<http-version>][<url>][<proxy>][<raw-strings>][<cache-control>][<http-vrf-name>][<http-owner>][<http-tag>][<http-timeout>][<frequency>][<secondary-freq-timeout>][<secondary-freq-loss>][<next-start-time>][<group-scheduled>][<randomly-scheduled>][<low-frequency>][<high-frequency>][<life>][<ageout>][<recurring>][<status-of-entry>][<threshold>][<hours>][<buckets>][<interval>][<einterval>][<ebuckets>][<lives>][<hsbuckets>][<filter>] }]
- OLD: show ipv6 pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }][__readonly__ [<uptime>][<reg-sent>][<reg-received>][<null-reg-sent>][<null-reg-received>][<reg-stop-sent>][<reg-stop-received>][<reg-received-not-rp>][<reg-received-for-ssm>][<reg-received-for-bidir>][<bootstrap-sent>][<bootstrap-received>][<cand-rp-sent>][<cand-rp-received>][<bs-no-nbr>][<bs-border-denied>][<bs-len-errors>][<bs-rpf-failed>][<bs-no-listen>][<candrp-border-denied>][<candrp-no-listen>][<ctrl-no-route>][<data-no-route>][<no-state>][<create-state>]]
- NEW: show ipv6 pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }][__readonly__ [TABLE_context [<out-context>][<uptime>][<reg-sent>][<reg-received>][<null-reg-sent>][<null-reg-received>][<reg-stop-sent>][<reg-stop-received>][<reg-received-not-rp>][<reg-received-for-ssm>][<reg-received-for-bidir>][<bootstrap-sent>][<bootstrap-received>][<cand-rp-sent>][<cand-rp-received>][<bs-no-nbr>][<bs-border-denied>][<bs-len-errors>][<bs-rpf-failed>][<bs-no-listen>][<candrp-border-denied>][<candrp-no-listen>][<ctrl-no-route>][<data-no-route>][<no-state>][<create-state>]]]
- OLD: show ipv6 pim vrf [{ <vrf-name> | <vrf-known-name> | all }][detail][__readonly__ TABLE_context [<out-context>][<context-id>][<count>][<table-id>]]
- NEW: show ipv6 pim vrf [{ <vrf-name> | <vrf-known-name> | all }][detail][__readonly__ [TABLE_context [<out-context>][<context-id>][<count>][<bfd-enabled>][<table-id>][<state-limit>][<available-states>][<reserved-limit>][<available-reserved>][<reserve-policy>][<register-rate-limit-pps>][<shared-tree-route-map>][TABLE_RANGE [<shared-tree-ranges>]]]]
- OLD: show isis [<isis-tag>][vrf { <vrf-name> | <vrf-known-name> | all }] traffic [<interface>][mbuf-priority][vrf { <vrf-name> | <vrf-known-name> | all }][__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <traffic-if-out> [<traffic-if-name-out>] <traffic-lan-ih-out> <traffic-lan-ih-rcv-out> <traffic-lan-ih-xmit-out> <traffic-lan-ih-rcv-auth-err-out> <traffic-lan-ih-rcv-err-out> <traffic-p2p-ih-out> <traffic-p2p-ih-rcv-out> <traffic-p2p-ih-xmit-out> <traffic-p2p-ih-rcv-auth-err-out> <traffic-p2p-ih-rcv-err-out> <traffic-csnp-out> <traffic-csnp-rcv-out>

Changed Commands

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<traffic-csnp-xmit-out> <traffic-csnp-rcv-auth-err-out> <traffic-csnp-rcv-err-out> <traffic-psnp-out>
<traffic-psnp-rcv-out> <traffic-psnp-xmit-out> <traffic-psnp-rcv-auth-err-out> <traffic-psnp-rcv-err-out>
<traffic-lsp-out> <traffic-lsp-rcv-out> <traffic-lsp-flood-out> <traffic-lsp-rcv-auth-err-out>
<traffic-lsp-rcv-err-out> <traffic-lsp-rexmit-out> [ <traffic-xmit-err-out> ] [
<traffic-unknown-pdu-rcv-out> ] } } ]
```

- NEW: show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] traffic [<interface>] [interfaces] [mbuf-priority] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> [{ TABLE_vrf [<vrf-name-out>] [{ TABLE_interface [
<traffic-if-name-out>] [<traffic-lan-iih-out>] [<traffic-lan-iih-rcv-out>] [<traffic-lan-iih-xmit-out>] [<traffic-lan-iih-rcv-auth-err-out>] [<traffic-lan-iih-rcv-err-out>] [<traffic-p2p-iih-out>] [
<traffic-p2p-iih-rcv-out>] [<traffic-p2p-iih-xmit-out>] [<traffic-p2p-iih-rcv-auth-err-out>] [
<traffic-p2p-iih-rcv-err-out>] [<traffic-csnp-out>] [<traffic-csnp-rcv-out>] [<traffic-csnp-xmit-out>] [<traffic-csnp-rcv-auth-err-out>] [<traffic-csnp-rcv-err-out>] [<traffic-psnp-out>] [
<traffic-psnp-rcv-out>] [<traffic-psnp-xmit-out>] [<traffic-psnp-rcv-auth-err-out>] [
<traffic-psnp-rcv-err-out>] [<traffic-lsp-out>] [<traffic-lsp-rcv-out>] [<traffic-lsp-flood-out>] [
<traffic-lsp-rcv-auth-err-out>] [<traffic-lsp-rcv-err-out>] [<traffic-lsp-rexmit-out>] [
<traffic-xmit-err-out>] [<traffic-unknown-pdu-rcv-out>] }] [<traffic-lan-iih-out>] [
<traffic-lan-iih-rcv-out>] [<traffic-lan-iih-xmit-out>] [<traffic-lan-iih-rcv-auth-err-out>] [
<traffic-lan-iih-rcv-err-out>] [<traffic-p2p-iih-out>] [<traffic-p2p-iih-rcv-out>] [
<traffic-p2p-iih-xmit-out>] [<traffic-p2p-iih-rcv-auth-err-out>] [<traffic-p2p-iih-rcv-err-out>] [
<traffic-csnp-out>] [<traffic-csnp-rcv-out>] [<traffic-csnp-xmit-out>] [<traffic-csnp-rcv-auth-err-out>] [
<traffic-csnp-rcv-err-out>] [<traffic-psnp-out>] [<traffic-psnp-rcv-out>] [<traffic-psnp-xmit-out>] [
<traffic-psnp-rcv-auth-err-out>] [<traffic-psnp-rcv-err-out>] [<traffic-lsp-out>] [
<traffic-lsp-rcv-out>] [<traffic-lsp-flood-out>] [<traffic-lsp-rcv-auth-err-out>] [<traffic-lsp-rcv-err-out>] [
<traffic-lsp-rexmit-out>] [<traffic-xmit-err-out>] [<traffic-unknown-pdu-rcv-out>] }]] }
- OLD: show lacp counters [interface <if0>] [__readonly__ TABLE_interface <interface> TABLE_member <port> <pdus-sent> <pdus-rcvd> <marker-rcvd> <marker-resp-sent> <pkt-errors> [<illegal-rcvd>] [<unknown-rcvd>]]
- NEW: show lacp counters [interface <if0>] [detail] [__readonly__ TABLE_interface <interface> TABLE_member <port> <pdus-sent> <pdus-rcvd> <marker-rcvd> <marker-resp-sent> [<marker-sent>] [<marker-resp-rcvd>] <pkt-errors> [<pdu-timeout-count>] [<flap-count>] [<illegal-rcvd>] [<unknown-rcvd>]]
- OLD: show lldp traffic [__readonly__ <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>]
- NEW: show lldp traffic [__readonly__ <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt>]
- OLD: show lldp traffic interface <if> [__readonly__ <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>]
- NEW: show lldp traffic interface <if> [__readonly__ <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt>]
- OLD: show system internal flash [__readonly__ TABLE_flash <Mounted-on> <1K-blocks> <used> <Available> <Use-percent> <Filesystem>]
- NEW: show system internal flash [__readonly__ TABLE_flash <Mounted-on> <OneK-blocks> <used> <Available> <Use-percent> <Filesystem>]

- OLD: show telemetry control { database [subscriptions | destination-groups | destinations | sensor-paths | sensor-groups] | stats } [__readonly__ [<subscription_db_size>] [{ TABLE_subscriptions <subscription_id><data_collector_type> } [<sensor_grp_db_size>] [{ TABLE_sensor_grp <snsr_grp_row_idx><snsr_grp_id><snsr_grp_type><snsr_grp_collector_type><snsr_grp_timer_interval><snsr_grp_timer_status><snsr_grp_sub_count><snsr_grp_sub_id><snsr_grp_dc_cur_time><snsr_grp_dc_min_time><snsr_grp_dc_max_time><snsr_grp_enc_cur_time><snsr_grp_enc_min_time><snsr_grp_enc_max_time><snsr_grp_trans_cur_time><snsr_grp_trans_min_time><snsr_grp_trans_max_time><snsr_grp_stream_cur_time><snsr_grp_stream_min_time><snsr_grp_stream_max_time><snsr_grp_stream_col_id_drop><snsr_grp_stream_last_col_id_drop><snsr_grp_stream_col_drop> } [<sensor_path_db_size>] [{ TABLE_sensor_path <path_row_idx><path_subscribed><path_group_count><path_secondary_group_count><path_level><path_name><path_grp_id><path_query_condition><path_filter_condition><path_gpb_cur_enc_size><path_gpb_min_enc_size><path_gpb_max_enc_size><path_json_cur_enc_size><path_json_min_enc_size><path_json_max_enc_size> }] [<destination_group_db_size>] [<destination_group_use_vrf>] [{ TABLE_destination_group <destination_group_id><destination_group_refcount> }] [<destination_db_size>] [{ TABLE_destinations <destination_ip><destination_port><destination_encoding><destination_transport><destination_refcount> }] [db_statistics <chunk_alloc_fail><sensor_path_chunk_create_fail><sensor_group_chunk_create_fail><destination_chunk_create_fail><destination_group_chunk_create_fail><subscription_chunk_create_fail><sensor_path_db_create_fail><sensor_group_db_create_fail><destination_db_create_fail><destination_group_db_create_fail><subscription_db_create_fail><sensor_path_db_insert_fail><sensor_group_db_insert_fail><destination_db_insert_fail><destination_group_db_insert_fail><subscription_db_insert_fail><sensor_path_db_delete_fail><sensor_group_db_delete_fail><destination_db_delete_fail><destination_group_db_delete_fail><subscription_db_delete_fail><sensor_path_delete_in_use><sensor_group_delete_in_use><destination_delete_in_use><destination_group_delete_in_use><delete_destination_in_use_fail><sensor_path_sensor_group_list_create_fail><sensor_path_prop_list_create_fail><sensor_path_secondary_sensor_path_list_create_fail><sensor_path_secondary_sensor_group_list_create_fail><sensor_group_sensor_path_list_create_fail><sensor_group_subscription_list_create_fail><destination_group_subscription_list_create_fail><destination_group_destination_list_create_fail><destination_destination_group_list_create_fail><subscription_sensor_group_list_create_fail><subscription_destination_group_list_create_fail><sensor_group_sensor_path_list_delete_fail><sensor_group_subscription_list_delete_fail><sensor_group_subscription_unsupported_data_source_fail><destination_group_subscription_list_delete_fail><destination_group_destination_list_delete_fail><subscription_sensor_group_list_delete_fail><subscription_destination_group_list_delete_fail><destination_destination_group_list_delete_fail><destination_group_delete_from_destination_group_fail><destination_group_delete_from_subscription_fail><sensor_group_delete_from_subscription_fail><sensor_path_delete_from_sensor_group_fail><get_encode_cb_fail><get_transport_cb_fail> }]]
- NEW: show telemetry control { database [subscriptions | destination-groups | destinations | sensor-paths | sensor-groups] | stats } [__readonly__ [<subscription_db_size>] [{ TABLE_subscriptions <subscription_id><data_collector_type> } [<sensor_grp_db_size>] [{ TABLE_sensor_grp <snsr_grp_row_idx><snsr_grp_id><snsr_grp_type><snsr_grp_collector_type><snsr_grp_timer_interval><snsr_grp_timer_status><snsr_grp_sub_count><snsr_grp_sub_id><snsr_grp_dc_cur_time><snsr_grp_dc_min_time><snsr_grp_dc_max_time><snsr_grp_enc_cur_time><snsr_grp_enc_min_time><snsr_grp_enc_max_time><snsr_grp_trans_cur_time><snsr_grp_trans_min_time><snsr_grp_trans_max_time><snsr_grp_stream_cur_time><snsr_grp_stream_min_time><snsr_grp_stream_max_time><snsr_grp_stream_col_id_drop><snsr_grp_stream_last_col_id_drop><snsr_grp_stream_col_drop> } [<sensor_path_db_size>] [{ TABLE_sensor_path <path_row_idx><path_subscribed><path_group_count><path_secondary_group_count><path_level><path_name><path_grp_id><path_query_condition>

Changed Commands

```

<path_filter_condition><path_gpb_cur_enc_size><path_gpb_min_enc_size><path_gpb_max_enc_size>
<path_json_cur_enc_size><path_json_min_enc_size><path_json_max_enc_size><path_dc_cur_time>
<path_dc_min_time><path_dc_max_time><path_enc_cur_time><path_enc_min_time>
<path_enc_max_time><path_trans_cur_time><path_trans_min_time><path_trans_max_time>
<path_stream_cur_time><path_stream_min_time><path_stream_max_time> } ] [
<destination_group_db_size> ] [ <destination_group_use_vrf> ] [ { TABLE_destination_group
<destination_group_id><destination_group_refcount> } ] [ <destination_db_size> ] [
TABLE_destinations<destination_ip><destination_port><destination_encoding><destination_transport>
<destination_refcount> } ] [ db_statistics <chunk_alloc_fail><sensor_path_chunk_create_fail>
<sensor_group_chunk_create_fail><destination_chunk_create_fail>
<destination_group_chunk_create_fail><subscription_chunk_create_fail><sensor_path_db_create_fail>
<sensor_group_db_create_fail><destination_db_create_fail><destination_group_db_create_fail>
<subscription_db_create_fail><sensor_path_db_insert_fail><sensor_group_db_insert_fail>
<destination_db_insert_fail><destination_group_db_insert_fail><subscription_db_insert_fail>
<sensor_path_db_delete_fail><sensor_group_db_delete_fail><destination_db_delete_fail>
<destination_group_db_delete_fail><subscription_db_delete_fail><sensor_path_delete_in_use>
<sensor_group_delete_in_use><destination_delete_in_use><destination_group_delete_in_use>
<delete_destination_in_use_fail><sensor_path_sensor_group_list_create_fail>
<sensor_path_prop_list_create_fail><sensor_path_secondary_sensor_path_list_create_fail>
<sensor_path_secondary_sensor_group_list_create_fail><sensor_group_sensor_path_list_create_fail>
<sensor_group_subscription_list_create_fail><destination_group_subscription_list_create_fail>
<destination_group_destination_list_create_fail><destination_destination_group_list_create_fail>
<subscription_sensor_group_list_create_fail><subscription_destination_group_list_create_fail>
<sensor_group_sensor_path_list_delete_fail><sensor_group_subscription_list_delete_fail>
<sensor_group_subscription_unsupported_data_source_fail>
<destination_group_subscription_list_delete_fail><destination_group_destination_list_delete_fail>
<subscription_sensor_group_list_delete_fail><subscription_destination_group_list_delete_fail>
<destination_destination_group_list_delete_fail><destination_delete_from_destination_group_fail>
<destination_group_delete_from_subscription_fail><sensor_group_delete_from_subscription_fail>
<sensor_path_delete_from_sensor_group_fail><get_encode_cb_fail><get_transport_cb_fail> ] ]

```

- OLD: test forwarding [ip | ipv4] [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding [ip | ipv4] [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]
- NEW: test forwarding [ip | ipv4] [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding [ip | ipv4] [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]
- OLD: test forwarding ipv6 [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding ipv6 [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]
- NEW: test forwarding ipv6 [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding ipv6 [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]

Deprecated Commands

The following commands are removed in this release.

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