



New, Changed, and Deprecated Show Commands

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New, Changed, and Deprecated Show Commands in Cisco NX-OS Releases 10.4(2) and 10.4(3)

New Commands

The following commands are added in these releases.

- show consistency-checker contract { vrf { all | <vrf-known-name> } | rule <rule-id> } [debug-logs] [brief | detail]
- show consistency-checker epbr service-chain { <svcChainName> | all } [brief | detail]
- show epbr service [<svc-name>]
- show epbr service-chain [<chain-name>] [reverse]
- show flow traffic-analytics
- show forwarding distribution multicast unique-v6sources
- show hardware profile dlb
- show interface <ifeth_trans> transceiver alarms
- show interface <ifeth_trans> transceiver performance-monitoring history <bucket_interval> { fec | optics } [interval <interval_value>]
- show key chain [<keychain>] mode decrypt
- show key chain [<keychain> | dynamic] [detail]
- show logging level tpmn
- show platform vboot
- show running-config cryptopqc [all]
- show security-group { { id { <esg-id> | all } } | { name <esg-name> } | { vrf { { <vrf-name> | <vrf-known-name> } { ipv4 | ipv6 } } | all } } | { vlan { <vlan-id> | all } } | { interface { name <iface> | all } } | { type { layer4-7 } } }
- show ssh version
- show ssh { ciphers | macs | keytypes | kexalgorithms }
- show system tech-support blocked-commands status
- show tech-support contracts
- show tech-support transceiver
- show tech-support { { [time-optimized] [forced] [debug-enable] } | [commands] }

Changed Commands

The following commands are modified in these releases.

- OLD: show bgp event-history { cli | detail | errors | events | logs | msgs | objstore | periodic | sdwrap-errors | peer | nve | prefixes | urib | l2rib | rpki | te }
- NEW: show bgp event-history { cli | detail | errors | events | logs | msgs | objstore | periodic | sdwrap-errors | peer | nve | prefixes | urib | l2rib | rpki | te | { rpm { config | eval | keychain } } }
- OLD: show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { all_private | session | ipc | rnh | srte | oc-database [brief] | lists | rpm-info [route-map <rpm-name> { <ip-prefix> | <ipv6-prefix> }] | attr [{ <ip-prefix> }] | rpm-attribute-cache | rpm-comm-attr-cache | virtual [summary] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]
- NEW: show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { all_private | session | ipc | rnh | srte | oc-database [brief] | lists | rpm-info { security-group | [route-map <rpm-name> { <ip-prefix> | <ipv6-prefix> }] } | attr [{ <ip-prefix> }] | rpm-attribute-cache | rpm-comm-attr-cache | virtual [summary] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]
- OLD: show configuration session nx-yang { json | xml }
- NEW: show configuration session nx-yang { json | xml | restconf-xml }
- OLD: show consistency-checker membership vlan <vlanid> [[interface [<intf-id> | <ch-id>]]] [private-vlan [interface [<int-id> | <ch-id>]]] [native-vlan] [brief | detail]
- NEW: show consistency-checker membership vlan { <vlanid> [[interface [<intf-id> | <ch-id>]]] [private-vlan [interface [<int-id> | <ch-id>]]] [<vlan_id>]] [native-vlan] } [brief | detail]
- OLD: show consistency-checker { l2-tahoe | l2-mtc } module <module> [unit <unit>] [brief | detail]
- NEW: show consistency-checker { l2-tahoe | l2-mtc | l2-s1 } module <module> [unit <unit>] [brief | detail]
- OLD: show consistency-checker l2-tahoe mac-address <mac-addr> [module <module>] [unit <unit>] [brief | detail]
- NEW: show consistency-checker { l2-tahoe | l2-s1 } mac-address <mac-addr> [module <module>] [unit <unit>] [brief | detail]
- OLD: show diff { running-config <file_uri> [partial] | startup-config <file_uri> } [unified]
- NEW: show diff { running-config <file_uri> [partial [merged]] | startup-config <file_uri> } [unified]
- OLD: show forwarding distribution multicast outgoing-interface-list { L2 | L3 | OTV } [<index>]
- NEW: show forwarding distribution multicast outgoing-interface-list { L2 | L3 | OTV | ir-list } [<index>]
- OLD: show forwarding mpls [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } [label <label-id> | <prefix> | <v6prefix>] | table <table_id> [label <label-id> | <prefix> | <v6prefix>] | label-space <label-space-id> | label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform]

- NEW: show forwarding mpls [[vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]] [table <table_id>] [label-space <label-space-id>] [label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform]
- OLD: show forwarding mpls eompls ir { [vlan [all | <vlan_id>]] [peer [all | <peer_ip>]] }
- NEW: show forwarding mpls eompls ir { vlan { all | <vlan_id> } | peer { all | <peer_ip> } }
- OLD: show hardware deduplication tah-summary [tah-hw-table] [module <module>]
- NEW: show hardware deduplication tah-summary [tah-hw-table | tah-info] [module <module>]
- OLD: show ip adjacency [<interface> [summary] | <ip-addr> [non-best | detail] | detail | summary | non-best | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]
- NEW: show ip adjacency [<interface> [summary] | <ip-addr> [non-best [detail] | detail] | detail | summary | non-best [detail] | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]
- OLD: show ip adjacency pt [statistics | consistency]
- NEW: show ip adjacency pt { iod-ip | vrf-ip | vlan-mac } [statistics | consistency]
- OLD: show ip igmp snooping event-history { statistics | <igmp-snoop-event-hist-buf-name> }
- NEW: show ip igmp snooping event-history { statistics | vlan | vlan-events | igmp-snoop-internal | mfdm | mfdm-sum | vpc | rib | coop | object-store }
- OLD: show ip ospf [<tag>] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | ldp | te | rib | hello | spf-trigger | cli | objstore | segrt | rpm { config | eval | keychain } | kernel { kmsg | err } }
- NEW: show ip ospf [<tag>] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | ldp | te | rib | hello | spf-trigger | cli | objstore | segrt | rpm { config | eval | keychain } | sg } | kernel { kmsg | err } }
- OLD: show ip pim event-history { errors | msgs | hello | join-prune | join-prune-summary | data-register-receive | null-register | assert | rp | bidir | pim-internal | packet | vrf | cli | vpc | objstore | txlist | mrib | pim-library | join-prune-tw | mvpn | nbm | pfm }
- NEW: show ip pim event-history { errors | msgs | hello | join-prune | join-prune-summary | data-register-receive | null-register | assert | rp | bidir | pim-internal | packet | vrf | cli | vpc | objstore | txlist | mrib | pim-library | join-prune-tw | mvpn | nbm | pfm | rpm }
- OLD: show ip route [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]
- NEW: show ip route [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail [full] | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]

- OLD: show ipv6 mld snooping event-history { statistics | <mld-snoop-event-hist-buf-name> }
- NEW: show ipv6 mld snooping event-history { statistics | vlan | vlan-events | mld-snoop-internal | mfdm | mfdm-sum | vpc | rib | coop | object-store }
- OLD: show license rum id all
- NEW: show license rum id { <report_id> | all } [detail]
- OLD: show nbm flows [group-based [group <group-ip>] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } | source <source-ip> [group <group-ip>] | group <group-ip> [source <source-ip>] | interface <if-name> | priority { low | critical } [[oif interface <if-name>] | [rpf interface <if-name>]] | [policer { slot <slot> unit <unit> slice <slice> }] | [policer-intf interface <if-name>]] | logical-id { none | any | <lid-val> } | profile-id <prof-id>] [all | active | inactive | no-receiver] [detail] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- NEW: show nbm flows [group-based [group <group-ip>] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } | source <source-ip> [group <group-ip>] | group <group-ip> [source <source-ip>] | interface <if-name> | priority { low | level <level> | critical } [[oif interface <if-name>] | [rpf interface <if-name>]] | [policer { slot <slot> unit <unit> slice <slice> }] | [policer-intf interface <if-name>]] | logical-id { none | any | <lid-val> } | profile-id <prof-id>] [all | active | inactive | no-receiver] [detail] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- OLD: show nbm flows pending-stitch [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- NEW: show nbm flows pending-stitch [priority { low | level <level> | critical | all }] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- OLD: show nbm flows static [group <grp>] [source <src>] [stitched | unstitched] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- NEW: show nbm flows static [group <grp>] [source <src>] [stitched | unstitched] [priority { low | level <level> | critical | all }] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- OLD: show ngoam loop-detection status [vlan <vlan-range> [port <port-range>]] [history]
- NEW: show ngoam loop-detection status [{ l3 | vlan <vlan-range> } [port <port-range>]] [history]
- OLD: show route-map dynamic [<route-map-name> | <route-map-cfg-name>]
- NEW: show route-map dynamic [<route-map-name>]
- OLD: show routing [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }]] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> }] [{ interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]
- NEW: show routing [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }]] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> }] [{ interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail [full] | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]

- OLD: show tech-support all [space-optimized] [time-optimized]
- NEW: show tech-support all { { [space-optimized] [time-optimized] } | [commands] }
- OLD: show tech-support brief
- NEW: show tech-support brief [commands]
- OLD: show tech-support details [space-optimized] [time-optimized] [debug-enable]
- NEW: show tech-support details { { [space-optimized] [time-optimized] [debug-enable] } | [commands] }
- OLD: show tech-support l2fm detail [module <module>]
- NEW: show tech-support l2fm detail [module <module>] [list]
- OLD: show tech-support macsec [detail [module <module>]]
- NEW: show tech-support macsec [detail] [module <module>]
- OLD: show tech-support monitor
- NEW: show tech-support monitor [list]
- OLD: show tech-support monitor erspan
- NEW: show tech-support monitor erspan [list]
- OLD: show tech-support monitorc-all
- NEW: show tech-support monitorc-all [list]
- OLD: show tech-support stp
- NEW: show tech-support stp [list]
- OLD: show telemetry transport [{ <session_id> [{ stats | errors | kafka-info }] | kafka }]
- NEW: show telemetry transport [{ <session_id> [{ stats | errors | kafka-info | dialin-stream }] | kafka }]

Deprecated Commands

The following commands are removed in these releases.

- show icam entries acl module <module> inst <inst> [history <num_intervals>] [sort { top <top_x> | sort-order { ascending | descending } | filter <f_f> [exact] | top <top_x> sort-order { ascending | descending } | top <top_x> filter <f_f> [exact] | top <top_x> sort-order { ascending | descending } filter <f_f> [exact] | top <top_x> filter <f_f> [exact] sort-order { ascending | descending } | sort-order { ascending | descending } top <top_x> | sort-order { ascending | descending } filter <f_f> [exact] | sort-order { ascending | descending } filter <f_f> [exact] top <top_x> | sort-order { ascending | descending } top <top_x> filter <f_f> [exact] | filter <f_f> [exact] top <top_x> | filter <f_f> [exact] sort-order { ascending | descending } | filter <f_f> [exact] top <top_x> sort-order { ascending | descending } | filter <f_f> [exact] sort-order { ascending | descending } top <top_x> }]

- show icam entries multicast module <module> [history <num_intervals>] [sort { top <top_x> | sort-order { ascending | descending } | top <top_x> sort-order { ascending | descending } | sort-order { ascending | descending } top <top_x> }]
- show icam health
- show icam itd
- show icam prediction entries acl module <module> inst <inst> <YYYY> <Month> <Date> <Time> [top <top_x>]
- show icam prediction entries multicast module <module> <YYYY> <Month> <Date> <Time> [top <top_x>]
- show icam prediction resource { acl_tcaml | acl-tcam | fib_tcaml | fib-tcam } module <module> inst <inst> <YYYY> <Month> <Date> <Time>
- show icam prediction resource { acl_tcaml | acl-tcam } mod <module> inst <inst> trend
- 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 | rpvst-lport } | vlan { vlan-count }] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4 | route-sg-v6 | route-starg-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 } | vrrp3 { 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 | overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-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 | vlan-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 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group }] }] <YYYY> <Month> <Date> <Time>
- show icam resource { acl_tcaml | acl-tcam | fib_tcaml | fib-tcam } module <module> inst <inst> [history <num_intervals>]
- show icam 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 | rpvst-lport } | vlan { vlan-count }] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4 | route-sg-v6 | route-starg-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 } | vrrp3 { 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 | overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni

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| svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 |
overlay-lpm-route-v6 | vlan-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 |
vlan-logical-port-vp | vlan-per-fex-port | igmp-group } } } [ history <num_intervals> [ sort {
current-scale [ ascending | descending ] | polled-timestamp [ newest | oldest ] } ] | utilization | thresholds
]
```

- show icam system [memory | shared-memory] [history <num_sample> [sort { usage [ascending | descending] | polled-timestamp [newest | oldest] }] | utilization | thresholds]
- show key chain [<keychain>] [detail]
- show key chain [<keychain>] mode decrypt
- show logging level icam
- show running-config icam
- show startup-config icam
- show tech-support [time-optimized] [forced] [debug-enable]
- show tech-support commands
- show tech-support icam [detail]
- show tech-support openconfig