



# **New, Changed, and Deprecated Configuration Commands in Cisco Nexus 9000 Release 9.2(3)**

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## New Commands in Cisco NX-OS Release 9.2(3)

The following commands are added in this release.

- [ no ] aaa server radius dynamic-author
- [ no ] bfd authentication interop
- clear aaa client radius statistics <hostipname>
- clear aaa server radius statistics
- clear ethpm config counter
- clear logging dropcount
- { { [ no ] client <hostipname> { { vrf { management | default | <vrf\_name> } [ server-key { 0 <s0> | 7 <s1> | <s2> } ] } | { server-key { 0 <s0> | 7 <s1> | <s2> } [ vrf { management | default | <vrf\_name> } ] } } } | { no client <hostipname> } | { no client <hostipname> vrf } | { no client <hostipname> server-key } }
- { [ no ] destination { <ipaddr> } [ use-vrf { <vrf\_name> | <vrf-known-name> } ] | no destination }
- [ no ] egress-host <hostip>
- [ no ] egress-interface <interface>
- [ no ] erspan-ip <ip-addr>
- [ no ] feature pnp
- [ no ] hardware access-list tcam region ing-flow-redirect <tcam\_size>
- [ no ] hardware profile pbr ecmp paths <maxpath>
- [ no ] hardware profile racl priority toggle
- [ no ] ignore routable
- [ no ] { ip | ipv4 } routing multicast holddown [ <route-holddown-sec> | [ disable-init-phase ] ]
- [ no ] logging rfc-strict { 5424 }
- [ no ] nbm flow policer
- [ no ] nbm flow-definition <group> [ <source> ]
- pnp accelerate
- pnp profile transport { http | https } <ipaddr> <tpport> | no pnp profile
- [ no ] policer
- { { [ no ] port <i0> } | { no port } }
- [ no ] qos-mode pipe
- { [ no ] server-key { 0 <s0> | 7 <s1> | <s2> } } | { no server-key }

- set inner mpls { l3-type <l3\_type> | label0\_lbl <label0\_lbl> | label0\_ttl <label0\_ttl> | label0\_sbit <label0\_sbit> | label1\_lbl <label1\_lbl> | label1\_ttl <label1\_ttl> | label1\_sbit <label1\_sbit> | label2\_lbl <label2\_lbl> | label2\_ttl <label2\_ttl> | label2\_sbit <label2\_sbit> | label3\_lbl <label3\_lbl> | label3\_ttl <label3\_ttl> | label3\_sbit <label3\_sbit> | label4\_lbl <label4\_lbl> | label4\_ttl <label4\_ttl> | label4\_sbit <label4\_sbit> | label5\_lbl <label5\_lbl> | label5\_ttl <label5\_ttl> | label5\_sbit <label5\_sbit> } +
- set outer mpls { l3-type <l3\_type> | label0\_lbl <label0\_lbl> | label0\_ttl <label0\_ttl> | label0\_sbit <label0\_sbit> | label1\_lbl <label1\_lbl> | label1\_ttl <label1\_ttl> | label1\_sbit <label1\_sbit> | label2\_lbl <label2\_lbl> | label2\_ttl <label2\_ttl> | label2\_sbit <label2\_sbit> | label3\_lbl <label3\_lbl> | label3\_ttl <label3\_ttl> | label3\_sbit <label3\_sbit> | label4\_lbl <label4\_lbl> | label4\_ttl <label4\_ttl> | label4\_sbit <label4\_sbit> | label5\_lbl <label5\_lbl> | label5\_ttl <label5\_ttl> | label5\_sbit <label5\_sbit> } +
- set { outer | inner } mpls { l3-type <l3\_type> | label0\_lbl <label0\_lbl> | label0\_ttl <label0\_ttl> | label0\_sbit <label0\_sbit> | label1\_lbl <label1\_lbl> | label1\_ttl <label1\_ttl> | label1\_sbit <label1\_sbit> | label2\_lbl <label2\_lbl> | label2\_ttl <label2\_ttl> | label2\_sbit <label2\_sbit> | label3\_lbl <label3\_lbl> | label3\_ttl <label3\_ttl> | label3\_sbit <label3\_sbit> | label4\_lbl <label4\_lbl> | label4\_ttl <label4\_ttl> | label4\_sbit <label4\_sbit> | label5\_lbl <label5\_lbl> | label5\_ttl <label5\_ttl> | label5\_sbit <label5\_sbit> } +
- [ no ] stage-flow
- [ no ] system module failure-action shutdown multibit-parity
- [ no ] system security sudo prompt-password
- [ no ] terminal dont-expunge
- username <username> passphrase { lifetime <ltime> | warntime <wtime> | gracetime <gtime> } +
- no username <username> passphrase { lifetime [ warntime [ gracetime | timevalues ] | gracetime [ warntime | timevalues ] | timevalues ] | warntime [ lifetime [ gracetime | timevalues ] | gracetime [ lifetime | timevalues ] | timevalues ] | gracetime [ lifetime [ warntime | timevalues ] | warntime [ lifetime | timevalues ] | timevalues ] | timevalues }
- userpassphrase { default-lifetime <def-ltime> | default-warntime <def-wtime> | default-gracetime <def-gtime> } +
- no userpassphrase { default-lifetime | default-warntime | default-gracetime | timevalues }
- virtual peer-link destination <dst-ip> source <src-ip> [ dscp <dscp-val> ] | no virtual peer-link

## Changed Commands in Cisco NX-OS Release 9.2(3)

The following commands are changed in this release.

- OLD: [ no ] advertisement-interval <adv-sec>
- NEW: advertisement-interval <adv-sec> | { no | default } advertisement-interval [ <adv-sec> ]
- OLD: bfd move-session target <target\_mod> [ <discr> ]
- NEW: bfd move-session target <module> [ <discr> ]
- OLD: bfd multihop hosting-linecard add module <module\_num>
- NEW: bfd multihop hosting-linecard add module <module>
- OLD: no bfd multihop hosting-linecard add module <module\_num>
- NEW: no bfd multihop hosting-linecard add module <module>
- OLD: event-history xbar category debug { demux | deque | flow | ha | init }
- NEW: event-history xbar category debug { demux | trace | ha | init }
- OLD: event-history xbar no category debug { demux | deque | flow | ha | init }
- NEW: event-history xbar no category debug { demux | trace | ha | init }
- OLD: [ no ] hardware profile [ vxlan | mpls ] module { all | <module> }
- NEW: [ no ] hardware profile [ vxlan | mpls | acl-stats ] module { all | <module> }
- OLD: mac address-table limit { system | vlan <id> } [ <limitcount> ] [ actiondrop ] [ \_\_readonly\_\_ <info\_str> ] | no mac address-table limit { system | vlan <id> } [ <limitcount> ] [ actiondrop ]
- NEW: mac address-table limit { system | vlan <id> | interface <interface-name> } { <limitcount> } [ actiondrop ] [ \_\_readonly\_\_ <info\_str> ] | no mac address-table limit { system | vlan <id> | interface <interface-name> } [ <limitcount> ] [ actiondrop ]
- OLD: [ no | default ] next-hop-self
- NEW: [ no | default ] next-hop-self [ all ]
- OLD: { [ no ] nxsdk service-name <service-name> }
- NEW: { [ no ] nxsdk service-name <nxsdk-service-name> }
- OLD: [ no ] postcard-telemetry queue-profile <queue\_profilename>
- NEW: [ no ] postcard-telemetry queue-profile [ <queue\_profilename> | queue-profile-default ]
- OLD: [ no ] { platform | hardware } qos nodrop-queue-thresholds # 4361  
../platform/dc3/pltfm\_config/server/pltfm\_config.cmd Queue-yellow <q-yellow> Queue-green <q-green>

- NEW: [ no ] { platform | hardware } qos nodrop-queue-thresholds # 4429  
 ../platform/dc3/pltfm\_config/server/pltfm\_config.cmd Queue-yellow <q-yellow> Queue-green <q-green>
- OLD: [ no ] { platform | hardware } qos nodrop-queue-thresholds-FX # 4399  
 ../platform/dc3/pltfm\_config/server/pltfm\_config.cmd Queue-green <q-green>
- NEW: [ no ] { platform | hardware } qos nodrop-queue-thresholds-FX # 4467  
 ../platform/dc3/pltfm\_config/server/pltfm\_config.cmd Queue-green <q-green>
- OLD: [ no ] radius-server host { <hostipname> } test { { username <s0> { [ password <s1> [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password <s1> [ idle-time <i1> ] } | { idle-time <i1> } }
- NEW: [ no ] radius-server host { <hostipname> } test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } }
- OLD: [ no ] radius-server test { { username <s0> { [ password <s1> [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password <s1> [ idle-time <i1> ] } | { idle-time <i1> } }
- NEW: [ no ] radius-server test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } }
- 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 ] system { { routing { hierarchical def-max-mode l3 64b-alm | non-hierarchical [ max-mode l3-nh [ 64b-alm-nh ] ] | max-mode host | max-mode-tor { l2 | l3 | l2-l3 } | template-overlay-host-scale | template-lpm-heavy | template-lpm-scale-v6-64 | template-dual-stack-host-scale | template-service-provider | template-multicast-heavy | template-multicast-ext-heavy | template-vxlan-scale | template-mpls-heavy | template-internet-peering | template-multicast-nbm | template-l3-heavy } } | { non-hierarchical-routing [ max-l3-mode ] } }
- NEW: [ no ] system { { routing { hierarchical def-max-mode l3 64b-alm | non-hierarchical [ max-mode l3-nh [ 64b-alm-nh ] ] | max-mode host | max-mode-tor { l2 | l3 | l2-l3 } | template-overlay-host-scale | template-lpm-heavy | template-l2-heavy | template-lpm-scale-v6-64 | template-dual-stack-host-scale | template-service-provider | template-dual-stack-mcast | template-multicast-heavy | template-multicast-ext-heavy | template-vxlan-scale | template-mpls-heavy | template-internet-peering | template-multicast-nbm | template-l3-heavy | template-l3-heavy-inband-telemetry-transit | template-inband-telemetry-transit } } | { non-hierarchical-routing [ max-l3-mode ] } }

- OLD: [ no ] tacacs-server host <hostipnam> test { { username <s0> { [ password <s1> [ idle-time <i1> ] ] [ idle-time <i1> ] } } | { password <s1> [ idle-time <i1> ] } | { idle-time <i1> } }
- NEW: [ no ] tacacs-server host <hostipnam> test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } }
- OLD: [ no ] tacacs-server test { { username <s0> { [ password <s1> [ idle-time <i1> ] ] [ idle-time <i1> ] } } | { password <s1> [ idle-time <i1> ] } | { idle-time <i1> } }
- NEW: [ no ] tacacs-server test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } }
- OLD: timestamp { ingress id <ingress-source-id> | egress id <egress-source-id> } | timestamp { ingress id <ingress-source-id> egress id <egress-source-id> } | no timestamp
- NEW: timestamp { ingress id <ingress-source-id> [ egress id <egress-source-id> ] } | timestamp { egress id <egress-source-id> [ ingress id <ingress-source-id> ] } | no timestamp
- OLD: { <sequence-no> Access-list <acl-name> { vlan-group <vg-name> | ingress-port-group <ipg-name> } { { egress-port-group <epg-name> [ load-balance { port-channel | algo-based { src-ip | dst-ip } } ] [ reverse-policy | { reverse-port-group <rev-epg-name> [ reverse-port-channel ] } ] } | { egress-device-group <edg-name> [ load-balance { ecmp | algo-based { src-ip | dst-ip } } ] [ reverse-device-group <rev-edg-name> ] } } [ mode <mode> ] } | { no sequence <sequence-no> }
- NEW: { <sequence-no> Access-list <acl-name> { vlan-group <vg-name> | ingress-port-group <ipg-name> } { { egress-port-group <epg-name> [ load-balance { port-channel | algo-based { src-ip | dst-ip } } ] [ reverse-policy | { reverse-port-group <rev-epg-name> [ reverse-port-channel ] } ] } | { egress-device-group <edg-name> [ load-balance { ecmp | algo-based { src-ip | dst-ip } } ] [ reverse-device-group <rev-edg-name> ] } } { [ mode <mode> ] | [ span ] } } | { no sequence <sequence-no> }
- OLD: { [ <seqno> ] | no } <permitdeny> { { ethertype <ethertypeid> } | { <proto\_udp> { { { <src\_any> | { <src\_addr> <src\_wild> } | <src\_prefix> | { src\_key\_host <src\_host> } | { src\_key\_addrgrp <src\_addrgrp\_name> } } } [ { { <src\_port\_op> { <src\_port0> | <src\_port0\_str> } } | { <src\_port\_range> { <src\_port1> | <src\_port1\_str> } } { <src\_port2> | <src\_port2\_str> } } | src\_portgroup <src\_port\_group> } ] { <dst\_any> | { <dst\_addr> <dst\_wild> } | <dst\_prefix> | { dst\_key\_host <dst\_host> } | { dst\_key\_addrgrp <dst\_addrgrp\_name> } } } [ { { <dst\_port\_op> { <dst\_port0> | <dst\_port0\_str> } } | { <dst\_port\_range> { <dst\_port1> | <dst\_port1\_str> } } { <dst\_port2> | <dst\_port2\_str> } } | dst\_portgroup <dst\_port\_group> } ] } { [ [ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range> <plen1> <plen2> } } | { dscp { <dscp\_num> | <dscp\_str> } } | { ttl <ttl\_num> } } ] } + | { [ [ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range> <plen1> <plen2> } } | { tos { <tos\_num> | <tos\_str> } } | { precedence { <prec\_num> | <prec\_str> } } ] } | { ttl <ttl\_num> } } ] } + } [ { udf { <udf\_name> <udf\_val> <udf\_mask> } + } ] [ nve vni <vni-id> ] } | { { <src\_any> | { <src\_addr> <src\_wild> } | <src\_prefix> | { src\_key\_host <src\_host> } | { src\_key\_addrgrp <src\_addrgrp\_name> } } } { <dst\_any> | { <dst\_addr> <dst\_wild> } | <dst\_prefix> | { dst\_key\_host <dst\_host> } | { dst\_key\_addrgrp <dst\_addrgrp\_name> } } } { [ [ fragments ] | [ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range> <plen1> <plen2> } } | { dscp { <dscp\_num> | <dscp\_str> } } | { ttl <ttl\_num> } } | { udf { <udf\_name> <udf\_val> <udf\_mask> } + } ] } + | { [ [ fragments ] | [ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range> <plen1> <plen2> } } | { tos { <tos\_num> | <tos\_str> } } | { precedence { <prec\_num> | <prec\_str> } } ] } | { ttl <ttl\_num> } } | { udf { <udf\_name> <udf\_val> <udf\_mask> } + } ] } + } } [ nve vni <vni-id> ] } } } [ vlan <vlanid> | ingress\_intf { <intfid> | <intfname> } | vlan\_priority <vlanpriorityid>

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] + { { [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } | { dscp { <dscp_num> | <dscp_str> } } | { ttl <ttl_num> } } } + { [ log ] [ time-range
<time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos {
<tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } } } + { [ {
udf { <udf_name> <udf_val> <udf_mask> } + } ] # 2293 ../feature/acl_mgr/cli/aclmgr.cmd [ capture
session <session-id> ] { [ <action> <actionid> ] } + [ log ]
```

- NEW: { [ <seqno> ] | no } <permitdeny> { { ethertype <ethertypeid> } | { <proto\_udp> { { { <src\_any>
| { <src\_addr> <src\_wild> } | <src\_prefix> | { src\_key\_host <src\_host> } | { src\_key\_addrgrp
<src\_addrgrp\_name> } } } [ { { <src\_port\_op> { <src\_port0> | <src\_port0\_str> } } | { <src\_port\_range>
{ <src\_port1> | <src\_port1\_str> } { <src\_port2> | <src\_port2\_str> } } | src\_portgroup <src\_port\_group>
} } ] { <dst\_any> | { <dst\_addr> <dst\_wild> } | <dst\_prefix> | { dst\_key\_host <dst\_host> } | {
dst\_key\_addrgrp <dst\_addrgrp\_name> } } } [ { { <dst\_port\_op> { <dst\_port0> | <dst\_port0\_str> } } | {
<dst\_port\_range> { <dst\_port1> | <dst\_port1\_str> } { <dst\_port2> | <dst\_port2\_str> } } } | dst\_portgroup
<dst\_port\_group> } } ] { [ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0>
| <plen\_range> <plen1> <plen2> } | { dscp { <dscp\_num> | <dscp\_str> } } | { ttl <ttl\_num> } } } + {
[ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range> <plen1>
<plen2> } | { tos { <tos\_num> | <tos\_str> } } | { precedence { <prec\_num> | <prec\_str> } } | { ttl
<ttl\_num> } } } + { [ { udf { <udf\_name> <udf\_val> <udf\_mask> } + } ] [ nve vni <vni-id> ] } | { {
<src\_any> | { <src\_addr> <src\_wild> } | <src\_prefix> | { src\_key\_host <src\_host> } | { src\_key\_addrgrp
<src\_addrgrp\_name> } } } { <dst\_any> | { <dst\_addr> <dst\_wild> } | <dst\_prefix> | { dst\_key\_host
<dst\_host> } | { dst\_key\_addrgrp <dst\_addrgrp\_name> } } } } [ [ fragments ] | [ log ] [ time-range
<time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range> <plen1> <plen2> } | { dscp
{ <dscp\_num> | <dscp\_str> } } | { ttl <ttl\_num> } } | { udf { <udf\_name> <udf\_val> <udf\_mask> } + }
] } + { [ [ fragments ] | [ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0>
| <plen\_range> <plen1> <plen2> } | { tos { <tos\_num> | <tos\_str> } } | { precedence { <prec\_num> |
<prec\_str> } } | { ttl <ttl\_num> } } | { udf { <udf\_name> <udf\_val> <udf\_mask> } + } ] } + } } [ nve
vni <vni-id> ] } } [ vlan <vlanid> | ingress\_intf { <intfid> | <intfname> } | vlan\_priority <vlanpriorityid>
] + { { [ log ] [ time-range <time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range>
<plen1> <plen2> } | { dscp { <dscp\_num> | <dscp\_str> } } | { ttl <ttl\_num> } } } + { [ log ] [ time-range
<time\_range\_name> ] | packet-length { <plen\_op> <plen0> | <plen\_range> <plen1> <plen2> } | { tos {
<tos\_num> | <tos\_str> } } | { precedence { <prec\_num> | <prec\_str> } } | { ttl <ttl\_num> } } } + { [ {
udf { <udf\_name> <udf\_val> <udf\_mask> } + } ] # 2308 ../feature/acl\_mgr/cli/aclmgr.cmd [ capture
session <session-id> ] { [ <action> <actionid> ] } + [ log ]
- OLD: { [ <seqnum> ] <permitdeny> { ip { <src\_addr> <src\_wild> | <src\_prefix> | <src\_any> | host
<src\_hostaddr> } } { <dst\_addr> <dst\_wild> | <dst\_prefix> | <dst\_any> | host <dst\_hostaddr> } } } | { no
<seqnum> } }
- NEW: { [ <seqnum> ] <permitdeny> { ip { <src\_addr> <src\_wild> | <src\_prefix> | <src\_any> | host
<src\_hostaddr> } } { <dst\_addr> <dst\_wild> | <dst\_prefix> | <dst\_any> | host <dst\_hostaddr> } [ udf
<udf\_name> <udf\_val> <udf\_mask> ] } } | { [ <seqnum> ] <permitdeny> udf <udf\_name1> <udf\_val1>
<udf\_mask1> } | { no <seqnum> } }

## Deprecated Commands in Cisco NX-OS Release 9.2(3)

The following commands are removed in this release.

- { ip | ipv4 } routing multicast holddown { <route-holddown-sec> | <none> } | no { ip | ipv4 } routing multicast holddown [ <route-holddown-sec> | <none> ]
- { ipv6 pim ssm { { range { <group> + | none } } | { route-map <route-map-name> } } | no ipv6 pim ssm { { range { <group> + | none } } | { route-map <route-map-name> } } }
- | validate-json