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backoff

backoff <initial-backoff> <maximum-backoff> | no backoff

Syntax Description

no	Negate a command or set its defaults
backoff	Set LDP session backoff parameters
initial-backoff	Initial session backoff time (seconds)
maximum-backoff	Maximum session backoff time (seconds)

Command Mode

- /exec/configure/ldp

bandwidth

bandwidth { <bandwidth_val> | inherit [<inherit_val>] } | no bandwidth { [<bandwidth_val>] | inherit [<inherit_val>] }

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
bandwidth_val	Bandwidth in kilobits
inherit	Specify that bandwidth is inherited
inherit_val	(Optional) Bandwidth in kilobits

Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-ethernet-p2p /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-remote-ethernet-sub

bandwidth

bandwidth <bandwidth_val> | no bandwidth

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
bandwidth_val	Bandwidth in kilobits

Command Mode

- /exec/configure/if-any-tunnel

bandwidth

[no] bandwidth { { xxx <bw-value> [bps | kbps | mbps | gbps] | percent <percentage> } | { remaining percent <rem-perc> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
bandwidth	Specify bandwidth for the class
xxx	xxx
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
percent	Percentage of available bandwidth
percentage	Value in percentage
remaining	% of remaining bandwidth
rem-perc	Value in percentage

Command Mode

- /exec/configure/policy-map/type/queuing/class

bandwidth

bandwidth <bandwidth_val> | no bandwidth

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
bandwidth_val	Bandwidth in kilobits

Command Mode

- /exec/configure/if-vlan-common

bandwidth

bandwidth { <bandwidth_val> | inherit [<inherit_val>] } | no bandwidth { [<bandwidth_val>] | inherit [<inherit_val>] }

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
inherit	Specify that bandwidth is inherited

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-port-channel-range /exec/configure/if-port-channel-sub /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel-p2p

bandwidth

[no] bandwidth { { <bw-value> [bps | kbps | mbps | gbps] | percent <percentage> } | { remaining percent <rem-perc> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
bandwidth	Specify bandwidth for the class
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
percent	Percentage of available bandwidth
percentage	Value in percentage
remaining	% of remaining bandwidth
rem-perc	Value in percentage

Command Mode

- /exec/configure/policy-map/type/plc/class

bandwidth kbps mbps gbps

{ { bandwidth { <val_kbps> kbps | <val_mbps> mbps | <val_gbps> gbps } } | { dscp <dscp_val> } } | { no { bandwidth | dscp } }

Syntax Description

no	Negate a command or set its defaults
bandwidth	Bandwidth per flow
val_kbps	Per Flow Bandwidth in Kbps
kbps	Bandwidth value in Kbps
val_mbps	Per Flow Bandwidth in Mbps
mbps	Bandwidth value in Mbps
val_gbps	Per Flow Bandwidth in Gbps
gbps	Bandwidth value in Gbps
dscp	DSCP per flow
dscp_val	Per Flow DSCP

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-policy/attr

bandwidth kbps mbps gbps

{ { bandwidth { <val_kbps> kbps | <val_mbps> mbps | <val_gbps> gbps } } | { dscp <dscp_val> } } | { no { bandwidth | dscp } }

Syntax Description

no	Negate a command or set its defaults
bandwidth	Bandwidth per flow
val_kbps	Per Flow Bandwidth in Kbps
kbps	Bandwidth value in Kbps
val_mbps	Per Flow Bandwidth in Mbps
mbps	Bandwidth value in Mbps
val_gbps	Per Flow Bandwidth in Gbps
gbps	Bandwidth value in Gbps
dscp	DSCP per flow
dscp_val	Per Flow DSCP

Command Mode

- /exec/configure/nbm-flow-policy/attr

banner exec

{ banner exec <lineNo> } | { no banner exec }

Syntax Description

no	Negate a command or set its defaults
banner	Configure banner message
exec	Configure banner exec message
lineNo	Delimiter char (first char is delimiter char) followed by message ending with delimiter

Command Mode

- /exec/configure

banner motd

{ banner motd <line> } | { no banner motd }

Syntax Description

no	Negate a command or set its defaults
banner	Configure banner message
motd	Configure banner motd message
line	Delimiter char (Very first char is delimiter char) followed by message ending with delimiter

Command Mode

- /exec/configure

bcm-shell module

bcm-shell module <module>

Syntax Description

bcm-shell	bcm shell/cmd
module	Module number of the linecard
module	Enter module number

Command Mode

- /exec

bcm-shell module

bcm-shell module <module> <quoted-cmd>

Syntax Description

bcm-shell	bcm shell/cmd
module	Module number of the linecard
module	Enter module number
quoted-cmd	the command to run on bcm-shell

Command Mode

- /exec

beacon

[no] beacon

Syntax Description

no	(Optional) Negate a command or set its defaults
beacon	Disable/enable the beacon for an interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

begin exclude include end

| { begin | exclude | include | end } [-i | -x] + <expr> [next <num> | prev <num>] +

Syntax Description

|	Pipe command output to filter
begin	Begin with the line that matches
exclude	Exclude lines that match
include	Include lines that match
end	End with the line that matches
-i	(Optional) Ignore case difference when comparing strings
-x	(Optional) Print only lines where the match is a whole line
expr	Search for the expression
next	(Optional) Print <num> lines of context after every matching line
prev	(Optional) Print <num> lines of context before every matching line
num	(Optional) Print <num> lines of context

Command Mode

- /output

bestpath

[no] bestpath { always-compare-med | med { missing-as-worst | non-deterministic | confed } | compare-routerid | compare-neighborid | cost-community ignore | as-path { multipath-relax | ignore } | igp-metric ignore }

Syntax Description

no	(Optional) Negate a command or set its defaults
bestpath	Change default bestpath selection algorithm
always-compare-med	Compare MED on paths from different AS
med	MED
missing-as-worst	Treat missing MED as highest MED
non-deterministic	Not always pick the best-MED path among paths from same AS
compare-routerid	Compare router-id for identical EBGP paths
compare-neighborid	When more paths available than max path config, use neighborid tibreaker
cost-community	cost community
ignore	Ignore cost communities in bestpath selection
confed	Compare MED only from paths originated from within a confederation
as-path	AS-Path
multipath-relax	Relax AS-Path restriction when choosing multipaths
ignore	Ignore AS-Path during bestpath selection
igp-metric	IGP metric for next-hop
ignore	Ignore IGP metric for next-hop during bestpath selection

Command Mode

- /exec/configure/router-bgp/vrf-cmds

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable IPv4 BFD on all ISIS interfaces

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

bfd

[no | default] bfd [multihop | singlehop]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
bfd	Bidirectional Fast Detection for the neighbor
multihop	(Optional) Multihop session
singlehop	(Optional) Single-hop session

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bfd

[no] bfd [ipv4 | ipv6]

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable BFD on all OSPF interfaces

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable BFD on all EIGRP interfaces

Command Mode

- /exec/configure/router-eigrp /exec/configure/router-eigrp/router-eigrp-vrf /exec/configure/router-eigrp/router-eigrp-af-common

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable BFD on all OSPF interfaces

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

bfd authentication interop

bfd authentication interop | no bfd authentication interop

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
authentication	Configure BFD authentication parameters
interop	Allows keys to be sent in network format to interop with non N3k/N9K switches

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd authentication key-id key

bfd [{ ipv4 | ipv6 }] authentication <auth_name> key-id <key_id_val> { key <key_val> | hex-key <h_key_val> } | no bfd [{ ipv4 | ipv6 }] authentication

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
authentication	Configure BFD authentication parameters
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions
auth_name	auth algorithm
key-id	Key ID to use in BFD frames
key_id_val	Key ID value
key	ASCII SHA1 secret
hex-key	HEX binary SHA1 secret
key_val	SHA1 secret value
h_key_val	SHA1 secret value. e.g ABCD123

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd echo-interface

[no] bfd echo-interface <ifindex>

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
echo-interface	Configure interface used for bfd echo frames
ifindex	loopback interface

Command Mode

- /exec/configure

bfd echo-rx-interval

bfd [ipv4 | ipv6] echo-rx-interval <intv> | no bfd [ipv4 | ipv6] echo-rx-interval

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
echo-rx-interval	Configure BFD session echo rx interval
intv	Echo Rx Interval in milliseconds

Command Mode

- /exec/configure /exec/configure/if-ma /exec/configure/if-ma-p2p

bfd echo

[no] bfd [{ ipv4 | ipv6 }] echo

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
echo	Configure Echo function for all address families
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd hw-offload

[no] bfd hw-offload

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
hw-offload	Configure hardware offload

Command Mode

- /exec/configure

bfd interval

[no] bfd [ipv4 | ipv6] interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
min_tx_mills	(Optional) TX interval in milliseconds
min_rx	(Optional) Minimum RX interval
min_rx_mills	(Optional) RX interval in milliseconds
multiplier	(Optional) Configure detect multiplier for bfd sessions
int_mult	(Optional) Detect Multiplier

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd interval

[no] bfd [ipv4 | ipv6] interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
min_tx_mills	(Optional) TX interval in milliseconds
min_rx	(Optional) Minimum RX interval
min_rx_mills	(Optional) RX interval in milliseconds
multiplier	(Optional) Configure detect multiplier for bfd sessions
int_mult	(Optional) Detect Multiplier

Command Mode

- /exec/configure

bfd interval min_rx multiplier

bfd [ipv6 | ipv4] interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>

Syntax Description

bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
min_tx_mills	TX interval in milliseconds
min_rx	Minimum RX interval
min_rx_mills	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd sessions
int_mult	Detect Multiplier

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd interval min_rx multiplier

bfd [ipv6 | ipv4] interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>

Syntax Description

bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
min_tx_mills	TX interval in milliseconds
min_rx	Minimum RX interval
min_rx_mills	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd sessions
int_mult	Detect Multiplier

Command Mode

- /exec/configure

bfd local-address

bfd local-address { <src_ip> | <src_ipv6> } | no bfd local-address

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
local-address	Configure the source IP address to be used for BFD session
src_ip	Source IP value

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd multihop authentication key-id key

bfd multihop authentication <auth_name> key-id <key_id_val> { key <key_val> | hex-key <h_key_val> } | { no | default } bfd multihop authentication [<auth_name> key-id <key_id_val> { key <key_val> | hex-key <h_key_val> }]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
bfd	Bidirectional Fast Detection for the neighbor
multihop	For Multihop sessions
authentication	Configure BFD authentication parameters
auth_name	auth algorithm
key-id	Key ID to use in BFD frames
key_id_val	Key ID value
key	ASCII SHA1 secret
hex-key	HEX binary SHA1 secret
key_val	SHA1 secret value
h_key_val	SHA1 secret value. e.g ABCD123

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bfd multihop interval

[no] bfd multihop interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
multihop	Configure BFD Multihop session interval parameters
interval	Configure BFD multihop session interval parameters
min_tx_mills	(Optional) TX interval in milliseconds
min_rx	(Optional) Minimum RX interval
min_rx_mills	(Optional) RX interval in milliseconds
multiplier	(Optional) Configure detect multiplier for bfd multihop sessions
int_mult	(Optional) Detect Multiplier

Command Mode

- /exec/configure

bfd multihop interval min_rx multiplier

bfd multihop interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult> | { no | default } bfd multihop interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
bfd	Bidirectional Fast Detection for the neighbor
multihop	Multihop session
interval	Configure BFD session interval parameters
min_tx_mills	TX interval in milliseconds
min_rx	Minimum RX interval
min_rx_mills	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd sessions
int_mult	Detect Multiplier

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bfd multihop interval min_rx multiplier

bfd multihop interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>

Syntax Description

bfd	BFD commands
multihop	Configure BFD Multihop session interval parameters
interval	Configure BFD multihop session interval parameters
min_tx_mills	TX interval in milliseconds
min_rx	Minimum RX interval
min_rx_mills	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd multihop sessions
int_mult	Detect Multiplier

Command Mode

- /exec/configure

bfd optimize subinterface

[no] bfd [ipv4] optimize subinterface

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
optimize	optimize
subinterface	optimize subinterfaces
ipv4	(Optional) ipv4 sessions

Command Mode

- /exec/configure/if-ma /exec/configure/if-ma-p2p

bfd per-link

[no] bfd [{ ipv4 | ipv6 }] per-link

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
per-link	Run BFD sessions on each port-channel link
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-port-channel-sub /exec/configure/if-eth-port-channel-p2p

bfd slow-timer

bfd [{ ipv4 | ipv6 }] slow-timer <int_slow_timer> | no bfd [{ ipv4 | ipv6 }] slow-timer

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
slow-timer	Configure slow mode timer for sessions
int_slow_timer	Slow rate timer in milliseconds
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure

bfd startup-timer bfd startup-timer

bfd startup-timer <int_startup_timer> | [no] bfd startup-timer

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
startup-timer	Configure Delayed Start Up timer for sessions
int_startup_timer	Start Up timer in seconds

Command Mode

- /exec/configure

bfshell

bfshell

Syntax Description

bfshell	bfshell

Command Mode

- /exec

bfshell cmd

bfshell cmd <cmd>

Syntax Description

bfshell	bfshell
cmd	Specify command
cmd	Quoted commands to be exec

Command Mode

- /exec

bfshell module

bfshell module <module>

Syntax Description

bfshell	bfshell
module	Select module
module	Module number

Command Mode

- /exec

bfshell module cmd

bfshell module <module> cmd <cmd>

Syntax Description

bfshell	bfshell
module	Select module
cmd	Specify command
module	Module number
cmd	Quoted commands to be exec

Command Mode

- /exec

binary-location

[no] binary-location <source-uri>

Syntax Description

no	(Optional) Negate a command or set its defaults
binary-location	the location binaries are downloaded from
source-uri	Location for restoration to pick up binaries

Command Mode

- /exec/configure/personality

bind interface

[no] bind interface <interface-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
bind	Bind the VFC
interface	Bind the VFC to an interface
interface-name	Interface name

Command Mode

- /exec/configure/if-vfc

bind mac-address

[no] bind mac-address <mac0>

Syntax Description

no	(Optional) Negate a command or set its defaults
bind	Bind the VFC
mac-address	Bind the VFC to a MAC Address
mac0	Enter MAC addrress in dotted hex format

Command Mode

- /exec/configure/if-vfc

blink

[no] blink { module <module> | <s0> <santa-cruz-range> | chassis | powersupply <psnum> | fan <fan_num> }

Syntax Description

no	(Optional) Negate a command or set its defaults
blink	blink locator led
module	blink module led
module	please enter the module number
s0	blink a specific xbar
santa-cruz-range	please enter the xbar number
chassis	blink chassis led
powersupply	blink powersupply led
psnum	powersupply number
fan	blink Fan led
fan_num	fan number

Command Mode

- /exec

bloggerd auto-collect component

{ bloggerd auto-collect component { ethport { enable | disable } | kern { enable | disable } | bgp { enable | disable } | cdp { enable | disable } | snmpmib_proc { enable | disable } | arp { enable | disable } | icmpv6 { enable | disable } | l3vm { enable | disable } | pktmgr { enable | disable } | feature-mgr { enable | disable } | vpc { enable | disable } | port-channel { enable | disable } | mfdm { enable | disable } | spm { enable | disable } | dhcp_snoop { enable | disable } | mrib { enable | disable } | fex { enable | disable } | icam { enable | disable } | isis { enable | disable } | pim { enable | disable } | vmtracker { enable | disable } | tahusd { enable | disable } | adjmgr { enable | disable } | lldp { enable | disable } | udld { enable | disable } | smm { enable | disable } | lacp { enable | disable } | hsrp_engine { enable | disable } | vrrp-eng { enable | disable } | vrrp-cfg { enable | disable } | ip { enable | disable } | netstack { enable | disable } | clis { enable | disable } | pltfm_config { enable | disable } | nbm { enable | disable } | bcm_usd { enable | disable } | statsclient { enable | disable } | sysmgr { enable | disable } | jer_usd { enable | disable } | m2rib { enable | disable } | qos { enable | disable } | hmm { enable | disable } | l2fm { enable | disable } | sla_sender { enable | disable } | sla_responder { enable | disable } | sla_twamp { enable | disable } | ufdm { enable | disable } | vrrpv3 { enable | disable } | iftmc { enable | disable } | eltm { enable | disable } | tctrl_usd { enable | disable } | CrdCfg { enable | disable } | ngoam { enable | disable } | nve { enable | disable } | cardclient { enable | disable } | l2rib { enable | disable } | eigrp { enable | disable } | kafka { enable | disable } | im { enable | disable } | pfma { enable | disable } | cfs { enable | disable } | aclqos { enable | disable } | tun_enc_mgr { enable | disable } | cts { enable | disable } | vntag_mgr { enable | disable } | rip { enable | disable } | sdaa { enable | disable } | ipfib { enable | disable } | ospfv3 { enable | disable } | ospf { enable | disable } | aclmgr { enable | disable } } }

Syntax Description

bloggerd	Syslog based auto-collect for components
auto-collect	Auto-collect for different components
component	Component name for syslog based auto-collect
kern	Auto-collect for Kernel
enable	Enable the syslog based auto-collect
disable	Disable the syslog based auto-collect

Command Mode

- /exec

bloggerd clear evtlog stats

bloggerd clear evtlog stats

Syntax Description

bloggerd	Blogger commands
clear	Reset the eventlog stats
evtlog	Event logs
stats	Event log statistics

Command Mode

- /exec

bloggerd live-process-core sap

bloggerd live-process-core sap <sap>

Syntax Description

bloggerd	Blogger commands
live-process-core	Dump the core of the live-process
sap	Dump core for a particular SAP
sap	Enter a valid SAP.

Command Mode

- /exec

bloggerd log-dump all

[no] bloggerd log-dump { all | [module <module>] sap <sap_num> [vdc <new_id> | vdc-all] }

Syntax Description

no	(Optional) Negate a command or set its defaults
bloggerd	Blogger commands
log-dump	Dump Log Buffer
all	Log Dump for ALL services across ALL modules in the switch on reaching threshold
module	(Optional) Enable Buffer Dump for particular Module
module	(Optional) Enter a valid Module Number
sap	Enable Buffer Dump for a particular sap
sap_num	Enter a valid SAP. Enter 0 for ALL SAPs in this VDC
vdc	(Optional) Enable Log Dump for a particular VDC. DEFAULT_VDC by default
new_id	(Optional) Enter a valid VDC ID
vdc-all	(Optional) Enable Log Dump for the sap on ALL VDCs

Command Mode

- /exec/configure

bloggerd log-dump once log-buffer sap

bloggerd log-dump once log-buffer sap <sap0>

Syntax Description

bloggerd	Blogger commands
log-dump	Dump Log Buffer
once	Dump Log Buffer once immediately
log-buffer	Dump Log buffer
sap	Enable Buffer Dump for a particular sap
sap0	Enter 0 for ALL SAPs in this VDC

Command Mode

- /exec

bloggerd log-dump once log-buffer sap event-history

bloggerd log-dump once log-buffer sap <sap> event-history { errors | msgs | { app-specific <uuid> instance <buffer-instance> } }

Syntax Description

bloggerd	Blogger commands
log-dump	Dump Log Buffer
once	Dump Log Buffer once immediately
log-buffer	Dump Log buffer
sap	Enable Buffer Dump for a particular sap
sap	Enter a valid SAP for a specific process
event-history	Event-History Buffers
errors	event-history errors
msgs	event-history messages
app-specific	application specific event history
uuid	Enter valid app's UUID
instance	Buffer Instance of the App-Specific SDWrap buffer
buffer-instance	Enter a valid SDWrap buffer instance for the app

Command Mode

- /exec

bloggerd log-dump once pss uuid

bloggerd log-dump once pss uuid <uuid>

Syntax Description

bloggerd	Blogger commands
log-dump	Dump Log Buffer
once	Dump Log Buffer once immediately
pss	Dump PSS
uuid	Dump PSS for a particular UUID
uuid	Enter a app's UUID

Command Mode

- /exec

bloggerd log-snapshot

bloggerd log-snapshot [<identifier> | time <i0> | size <i1> | [purge threshold <i2>] | [all] | [storage { bootflash | logflash | usb1 | usb2 }]] +

Syntax Description

bloggerd	Blogger commands
log-snapshot	Event Logs
identifier	(Optional) Identifier of the snapshot
time	(Optional) Snapshot based on time
i0	(Optional) Snapshot of last xx mins logs
size	(Optional) Snapshot based on size
i1	(Optional) Snapshot size in MB
storage	(Optional) List of allowed file systems for storing snapshot
bootflash	(Optional) Snapshot will be stored in bootflash:evt_log_snapshot
logflash	(Optional) Snapshot will be stored in logflash:evt_log_snapshot
usb1	(Optional) Snapshot will be stored in usb1:evt_log_snapshot
usb2	(Optional) Snapshot will be stored in usb2:evt_log_snapshot
purge	(Optional) Older snapshots will be purged
threshold	(Optional) Threshold value, after which purge kicks in
i2	(Optional) Snapshots will be purged once the threhold is reached
all	(Optional) Snapshot will be collected along with log-dump once sap 0

Command Mode

- /exec

bloggerd log-throttle

[no] bloggerd log-throttle [min-rollover <min-rollover> max-rollover-per-minute <max-rollover-per-minute>]

Syntax Description

no	(Optional) Negate a command or set its defaults
bloggerd	Blogger commands
log-throttle	Enable Log Dump Throttling for all NxOS services
min-rollover	(Optional) Number of minimum buffer rollovers before starting to throttle. Default: 5
min-rollover	(Optional) Enter the mininum number of roll-overs before throttleing log-dump. Default: 5
max-rollover-per-minute	(Optional) Maximum allowed buffer rollovers per minute. Default: 1
max-rollover-per-minute	(Optional) Enter the maximum allowed roll-overs per minute before throttling. Default: 1

Command Mode

- /exec/configure

bloggerd log-transfer

bloggerd log-transfer { <ip-addr> <path> | logflash }

Syntax Description

bloggerd	Blogger commands
log-transfer	Configure log transfer
ip-addr	IP addr of logging server
path	Path in tftp server to store logs. Eg: logOutput
logflash	Move all log-files to logflash

Command Mode

- /exec/configure

bloggerd log-transfer

[no] bloggerd log-transfer

Syntax Description

no	Negate a command or set its defaults
bloggerd	Blogger commands
log-transfer	Configure log transfer

Command Mode

- /exec/configure

bloggerd parse log-buffer file

bloggerd parse log-buffer { file | directory } <uri0> [dsf_table <uri1>]

Syntax Description

bloggerd	Blogger commands
parse	Parse a file
log-buffer	Parse buffer log file
directory	Enter path of directory
file	Enter file name. Please unzip file before parsing!
uri0	Linux path to file/directory (Eg: /bootflash/abc)
dsf_table	(Optional) Enter dsf table file name.
uri1	(Optional) Linux path to file/directory (Eg: /bootflash/abc)

Command Mode

- /exec

bloggerd parse log-buffer file sap

bloggerd parse log-buffer file <uri0> sap <sap-num>

Syntax Description

bloggerd	Blogger commands
parse	Parse a file
log-buffer	Parse buffer log file
file	Enter file name. Please unzip file before parsing!
uri0	Linux path to file (Eg: /bootflash/abc)
sap	SAP of the application which should parse the file
sap-num	Enter a valid SAP. Enter 0 for ALL SAPs in this VDC

Command Mode

- /exec

bloggerd parse pss file

bloggerd parse pss file <uri0>

Syntax Description

bloggerd	Blogger commands
parse	Parse a file
pss	Parse a dumped PSS File
file	Enter file name (without pss extensions). Please unzip file before parsing!
uri0	Linux path to file/directory (Eg: /bootflash/abc)

Command Mode

- /exec

bloggerd reparse log-profile

bloggerd reparse log-profile

Syntax Description

bloggerd	Blogger commands
reparse	Parse the YAML profile file
log-profile	Log Profile in YAML

Command Mode

- /exec

bmp-activate-server

bmp-activate-server <server-number> | { no | default } bmp-activate-server <server-number>

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
bmp-activate-server	Activate BMP monitoring for the peer
server-number	Server Id

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bmp-server

[no] bmp-server <server-number>

Syntax Description

no	(Optional) Negate a command or set its defaults
bmp-server	Configure bmp-server
server-number	server number value

Command Mode

- /exec/configure/router-bgp

boot-order

boot-order <new_id>

Syntax Description

boot-order	The order at which a vdc will boot up. VDCs at the same level will be started parallely
new_id	The order at which a vdc will boot up. VDCs at the same level will be started parallely

Command Mode

- /exec/configure/vdc

boot

{ boot <s0> <uri0> [module [<module>]] | no boot <s0> [<uri0> [module [<module>]]] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
s0	use [show boot variables] for list of keywords
uri0	Enter module image uri
module	(Optional) Enter module number for the image
module	(Optional) Enter module number

Command Mode

- /exec/configure

boot aci

{ boot aci <uri0> | no boot aci [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
aci	Configure ACI image
uri0	Enter ACI image uri

Command Mode

- /exec/configure

boot auto-copy

[no] boot auto-copy

Syntax Description

no	(Optional) Negate a command or set its defaults
boot	Configure boot variables
auto-copy	Turns on/off autocopy of bootvar images

Command Mode

- /exec/configure

boot fex

{ boot fex [<uri0>] | no boot fex [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
fex	Configure FEX image
uri0	(Optional) Enter FEX image uri

Command Mode

- /exec/configure

boot kickstart

{ boot kickstart <uri0> | no boot kickstart [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
kickstart	Configure kickstart image
uri0	Enter Kickstart image uri

Command Mode

- /exec/configure

boot mode docker_cluster

[no] boot mode docker_cluster [dhcp <option>]

Syntax Description

no	(Optional) Negate a command or set its defaults
boot	Configure boot mode
mode	boot mode
docker_cluster	Turns on/off docker_cluster mode
dhcp	(Optional) Custom DHCP option
option	(Optional) Option, default is 250

Command Mode

- /exec/configure

boot mode lxc

[no] boot mode lxc

Syntax Description

no	(Optional) Negate a command or set its defaults
boot	Configure boot mode
mode	boot mode
lxc	Turns on/off lxc mode

Command Mode

- /exec/configure

boot nxos

{ boot nxos <uri0> | no boot nxos [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
uri0	Enter nxos image uri

Command Mode

- /exec/configure

boot nxos sup-1

{ boot nxos <uri0> sup-1 | no boot nxos <uri0> sup-1 }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
uri0	Enter nxos image uri
sup-1	Enter sup-1 to configure the 1st sup

Command Mode

- /exec/configure

boot nxos sup-1 sup-2

{ boot nxos <uri0> sup-1 sup-2 | no boot nxos <uri0> sup-1 sup-2 }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
uri0	Enter nxos image uri
sup-1	Enter sup-1 to configure the 1st sup
sup-2	Enter sup-2 to configure the 2nd sup

Command Mode

- /exec/configure

boot nxos sup-2

{ boot nxos <uri0> sup-2 | no boot nxos <uri0> sup-2 }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
uri0	Enter nxos image uri
sup-2	Enter sup-2 to configure the 2nd sup

Command Mode

- /exec/configure

boot order bootflash

{ boot order bootflash [pxe] | no boot order bootflash [pxe] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
order	Configure loader fallback order
bootflash	Boot from Bootflash
pxe	(Optional) Pxe Boot

Command Mode

- /exec/configure

boot order pxe

{ boot order pxe [bootflash] | no boot order pxe [bootflash] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
order	Configure loader fallback order
pxe	Pxe Boot
bootflash	(Optional) Boot from Bootflash

Command Mode

- /exec/configure

boot poap enable

{ boot poap enable | no boot poap enable }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
poap	feature poap
enable	Enable Perpetual POAP making POAP kick in on reload even with startup-config

Command Mode

- /exec/configure

boot system

{ boot system <uri0> | no boot system [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
system	Configure system image
uri0	Enter system image uri

Command Mode

- /exec/configure

broadcast

[no] broadcast

Syntax Description

no	(Optional) Negate a command or set its defaults
broadcast	Allow broadcast frames in the default-zone

Command Mode

- /exec/configure/default-zone/attribute-group

broadcast

[no] broadcast

Syntax Description

no	(Optional) Negate a command or set its defaults
broadcast	Allow broadcast frames in the zone

Command Mode

- /exec/configure/attribute-group

buffer-boost

[no] buffer-boost

Syntax Description

no	(Optional) Negate a command or set its defaults
buffer-boost	Enable extra buffers for this interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

buffer-delete

buffer-delete { <id-range> | <id> | all }

Syntax Description

buffer-delete	delete buffered command(s)
id-range	Range(whole-number) of command id(s) to be deleted from switch-profile buffer
id	Exact command id (x.x.x format) to be deleted from switch-profile buffer
all	delete all buffered commands

Command Mode

- /exec/configure

buffer-drop collector

[no] buffer-drop collector <collectorname>

Syntax Description

buffer-drop	Enable/Disable buffer-drop configuration
collector	Define a collector
collectorname	Name of collector

Command Mode

- /exec/configure/config-buffer-drop

buffer-drop monitor

[no] buffer-drop monitor <monitorname>

Syntax Description

buffer-drop	Enable/Disable buffer-drop configuration
monitor	Define a buffer-drop Monitor
monitorname	Name of buffer-drop Monitor

Command Mode

- /exec/configure/config-buffer-drop

buffer-drop system monitor

[no] buffer-drop system monitor <monitorname>

Syntax Description

system	global config
buffer-drop	buffer-drop global settings
monitor	buffer-drop Monitor to be applied
monitorname	buffer-drop Monitor to be applied

Command Mode

- /exec/configure/config-buffer-drop

buffer-latency collector

[no] buffer-latency collector <collectorname>

Syntax Description

buffer-latency	Enable/Disable buffer-latency configuration
collector	Define a collector
collectorname	Name of collector

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency monitor

[no] buffer-latency monitor <monitorname>

Syntax Description

buffer-latency	Enable/Disable buffer-latency configuration
monitor	Define a buffer-latency Monitor
monitorname	Name of buffer-latency Monitor

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency record

[no] buffer-latency record <recordname>

Syntax Description

buffer-latency	Enable/Disable buffer-latency configuration
record	Define a buffer-latency record
recordname	Name of buffer-latency record

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency system monitor

[no] buffer-latency system monitor <monitorname>

Syntax Description

system	global config
buffer-latency	buffer-latency global settings
monitor	buffer-latency Monitor to be applied
monitorname	buffer-latency Monitor to be applied

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency threshold

[no] buffer-latency threshold <thresholdname> <thresholdvalue>

Syntax Description

buffer-latency	buffer-latency configuration
threshold	Define a threshold value
thresholdname	Name for threshold
thresholdvalue	Threshold value in ns

Command Mode

- /exec/configure/config-buffer-latency

buffer-move

buffer-move <fromid> <toid>

Syntax Description

buffer-move	move buffered command(s)
fromid	Command id of command(s) to be moved in switch-profile buffer
toid	New command id to be assigned in switch-profile buffer

Command Mode

- /exec/configure

burst-detect enable

[no] burst-detect enable

Syntax Description

no	(Optional) Negate a command or set its defaults
burst-detect	Specify OOBST burst-detect thresholds for the class
enable	enable

Command Mode

- /exec/configure/policy-map/type/queuing/class