B Commands

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

backup-bw

backup-bw { <kbps> } | no backup-bw

Syntax Description

no	Negate a command or set its defaults
backup-bw	Represents bw for Fast Reroute backup
kbps	Amount of allocatable backup bw, any lsp may use

Command Mode

- /exec/configure/if-te

bandwidth

[no] bandwidth | bandwidth { <bw> }

Syntax Description

no	Negate a command or set its defaults
bandwidth	Specify LSP bandwidth
bw	bandwidth requirement in kbps

Command Mode

- /exec/configure/te/lsp-attr

bandwidth

[no] bandwidth | bandwidth { <kbps> }

Syntax Description

no	Negate a command or set its defaults
bandwidth	tunnel bandwidth requirement
kbps	bandwidth requirement in kbps

Command Mode

- /exec/configure/if-te /exec/configure/tunnel-te/cbts-member

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-port-channel-sub

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

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

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

[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

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 <value> } | { no bandwidth }

Syntax Description

no	Negate a command or set its defaults
bandwidth	Bandwidth per flow
value	Per Flow Bandwidth in Mbps

Command Mode

- /exec/configure/nbm-flow/policy

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> <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

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

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 }

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

Command Mode

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

bestpath all

[no] bestpath { all-paths-ecmp }

Syntax Description

no	(Optional) Negate a command or set its defaults
bestpath	Change default bestpath selection algorithm
all-paths-ecmp	Treat all paths as ECMP during bestpath calculation

Command Mode

- /exec/configure/router-bgp/router-bgp-af

bfd-app session auto-expiry timeout

bfd-app session auto-expiry { timeout <millis> | now }

Syntax Description

bfd-app	BFD application commands
auto-expiry	auto expiry start/end
session	session operation
timeout	timeout after
now	expiry reached, dont wait to timeout, do them now
millis	milli-secs later

Command Mode

- /exec/configure

bfd-app session remove

bfd-app session remove { all | intf <intf_id> | iod <iod_id> }

Syntax Description

bfd-app	BFD application commands
session	session operation
remove	Remove sessions
all	Remove all sessions
intf	Remove all sessions on interface
intf_id	Interface Id
iod	interface iod
iod_id	Interface iod in hex

Command Mode

- /exec/configure

bfd-app session src-ip dest intf

[no] bfd-app session src-ip { <src_ip> dest-ip <dest_ip> | <src_ipv6> dest-ip <dest_ipv6> } { intf <intf_id> | iod <iod_id> }

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd-app	BFD application commands
session	session operation
src-ip	Source ip
src_ip	Source ip value
dest-ip	Destination ip
dest_ip	Destination ip value
iod	interface iod
iod_id	Interface iod in hex
intf	interface
intf_id	Interface Id

Command Mode

- /exec/configure

bfd-neighbor

[no] bfd-neighbor <remote-peer-ip> <inner-dest-ip> <inner-dest-mac>

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd-neighbor	BFD
remote-peer-ip	Remote peer IP address
inner-dest-ip	Inner Destination IP address
inner-dest-mac	Inner Destination MAC address

Command Mode

- /exec/configure/if-nve

bfd

[no | default] bfd

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

Command Mode

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

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-ipv6

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

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

bfd authentication key-id key

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

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
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/router-bgp/router-bgp-neighbor-sess

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 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-ma /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 [ipv4 | ipv6] interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult> | { no | default }
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
default	Inherit values from a peer template
bfd	Bidirectional Fast Detection for the neighbor
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/router-bgp/router-bgp-neighbor-sess

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-ma /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 move-session target

bfd move-session target <target_mod> [<discr>]

Syntax Description

bfd	BFD commands
move-session	move a session
target	Target module
target_mod	Module number
discr	(Optional) Session discriminator

Command Mode

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

bfd neighbor src-ip dest

[no] bfd neighbor src-ip { <src_ip> dest-ip <dest_ip> | <src_ipv6> dest-ip <dest_ipv6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
neighbor	BFD neighbor configuration commands (simulate client)
src-ip	Source ip
src_ip	Source ip value
dest-ip	Destination ip
dest_ip	Destination ip value

Command Mode

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

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 session-store remove client

bfd session-store remove <hex_disc> client <int_cl>

Syntax Description

bfd	BFD commands
session-store	session store operation
remove	Remove session from session store
hex_disc	Session discriminator
client	Client Id
int_cl	client

Command Mode

- /exec/configure

bfd session-store source-ip dest-ip intf client

bfd session-store source-ip <src_ip> dest-ip <dest_ip> intf <intf_id> client <int_cl>

Syntax Description

bfd	BFD commands
session-store	Session store operation
source-ip	source ip
src_ip	source ip value
dest-ip	dest ip
dest_ip	source ip value
intf	interface
intf_id	Interface Id
client	Client Id
int_cl	client

Command Mode

- /exec/configure

bfd session state state

bfd session state <hex_disc> state <state_up_down>

Syntax Description

bfd	BFD commands
session	session related test
state	Change session state
hex_disc	Session discriminator
state	Change to state
state_up_down	UP/DOWN

Command Mode

- /exec/configure

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

bfd system internal

[no] bfd system internal { max session histories <sess_histories_val> | max lc retry interval <max_lc_retry_val> | max acl retry interval <max_acl_retry_val> | lc retry interval <lc_retry_val> | acl retry interval <acl_retry_val> | session init retry interval <init_retry_val> | move interval <move_interval> | max lc wait <max_lc_wait_val> | move detect-mult <move_dm> | neighbor-discovery interval <discovery_val> | max sessions <max_sess_val> | max mts tlvs <tlv_val> | enable-mts <f2lc_number_v> <f3lc_number_v> | max mts flush interval <flush_val> | session expiry <session_expiry_val> } | { interval issu <tx_val> min_rx <rx_val> multiplier <multiplier_val> }

Syntax Description

no	(Optional) Reset global config to defaults
bfd	BFD commands
system	System-related commands
internal	Commands for internal use
max	Configure maximum
session	session
histories	histories to retain
sess_histories_val	Number of session histories to retain
retry	retry
interval	inteval
lc	LC
retry	LC retry (secs)
max_lc_retry_val	Value for max interval(sec)
lc_retry_val	gap in seconds
session	Session
init	reinit interval
flush	flush interval
interval	interval
init_retry_val	Gap in seconds
acl	acl
max_acl_retry_val	Maximum interval for which acl installation needs to be retried (secs)

flush_val	Maximum interval to wait before pending mts is sent to aclmgr/bfdc (sec)
acl	acl
acl_retry_val	Acl retry interval(secs)
interval	TX to use during ISSU
issu	issu parameters
min_rx	RX to use during ISSU
multiplier	Multiplier to use during ISSU
tx_val	TX val (msesc)
rx_val	RX val (msecs)
multiplier_val	Multiplier
move	Move
interval	interval
move_interval	move interval value
detect-mult	detect multiplier
move_dm	move detect multiplier value
wait	wait
max_lc_wait_val	max wait time(sec)
neighbor-discovery	neighbor discovery
discovery_val	Neighbor discovery interval(msecs)
sessions	sessions
max_sess_val	max number of sessions(16-10000)
mts	mts msg
tlvs	TLVS batched
tlv_val	number of tlvs
enable-mts	Enables MTS send(F2)/recv(F3) between Specified line cards
f2lc_number_v	F2 Line card number (1-10)
f3lc_number_v	F3 Line card number (1-10)
session	session

expiry	expiry
session_expiry_val	session expiry sec

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

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 delete all

bloggerd delete { all-temporary-binary-log-dumps | all-temporary-binary-show-tech-files }

Syntax Description

bloggerd	Blogger commands
delete	Delete all logs of one type
all-temporary-binary-log-dumps	Delete all binary log dumps from the local partition (/var/sysmgr/tmp/)
all-temporary-binary-show-tech-files	Delete all binary show tech files

Command Mode

- /exec

bloggerd live-process-core process pid

bloggerd live-process-core process <process-name> pid <process-pid>

Syntax Description

bloggerd	Blogger commands
live-process-core	Request a process core dump without killing it
process	Linux Process name
process-name	Enter the Linux name of the process for which core is being requested (Eg: sysmgr)
pid	Process PID
process-pid	Enter the linux PID of the process for which core is being requested (Eg: 4571)

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. Enter 0 for ALL SAPs in this VDC

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 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. Enter 0 for ALL SAPs in this VDC
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-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 mleak-check directory1 directory2

bloggerd mleak-check directory1 <uri0> directory2 <uri1>

Syntax Description

bloggerd	Blogger commands
mleak-check	Leak check
directory1	Enter path of directory
uri0	Linux path to file/directory (Eg: /bootflash/abc)
directory2	Enter path of directory
uri1	Linux path to file/directory (Eg: /bootflash/abc)

Command Mode

- /exec

bloggerd mleak-dump all

bloggerd mleak-dump all

Syntax Description

bloggerd	Blogger commands
mleak-dump	Leak dump
all	All apps on all modules

Command Mode

- /exec

bloggerd parse log-buffer file

bloggerd parse log-buffer { file | directory } <uri0>

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)

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

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-install nxos

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

Syntax Description

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

Command Mode

- /exec/configure

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 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 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 kickstart 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 kickstart 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 kickstart 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 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

bootmode boot

[no] bootmode boot

Syntax Description

no	(Optional) Negate a command or set its defaults
bootmode	set bootmode for all modules in the switch
boot	boot in boot mode

Command Mode

- /exec/configure

bootmode extruntime

[no] bootmode extruntime

Syntax Description

no	(Optional) Negate a command or set its defaults
bootmode	set bootmode for all modules in the switch
extruntime	boot in runtime mode with extended diags

Command Mode

- /exec/configure

bootmode hitless

[no] bootmode hitless

Syntax Description

no	(Optional) Negate a command or set its defaults
bootmode	set bootmode for all modules in the switch
hitless	boot in hitless mode

Command Mode

- /exec/configure

bootmode module

[no] bootmode module <module> { boot | extruntime | hitless | netboot | nodiagruntime | runtime }

Syntax Description

no	(Optional) Negate a command or set its defaults
bootmode	set bootmode for all modules in the switch
module	set bootmode for a given module in the switch
module	please enter module number
boot	boot in boot mode
extruntime	boot in runtime mode with extended diags
hitless	boot in hitless mode
netboot	boot using boot netboot in runtime mode
nodiagruntime	boot in runtime mode without running any diags
runtime	boot in runtime mode with normal diags

Command Mode

- /exec/configure

bootmode nodiagruntime

[no] bootmode nodiagruntime

Syntax Description

no	(Optional) Negate a command or set its defaults
bootmode	set bootmode for all modules in the switch
nodiagruntime	boot in runtime mode without running any diags

Command Mode

- /exec/configure

bootmode runtime

[no] bootmode runtime

Syntax Description

no	(Optional) Negate a command or set its defaults
bootmode	set bootmode for all modules in the switch
runtime	boot in runtime mode with normal diags

Command Mode

- /exec/configure

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-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 rise-threshold bytes fall-threshold bytes2

[no] burst-detect rise-threshold <value-in-bytes> bytes fall-threshold <value-in-bytes> bytes2

Syntax Description

no	(Optional) Negate a command or set its defaults
burst-detect	Specify OOBST burst-detect thresholds for the class
rise-threshold	Threshold bytes(queue depth) to start monitoring burst
value-in-bytes	
bytes	bytes
fall-threshold	Threshold bytes(queue depth) to stop monitoring burst
value-in-bytes	
bytes2	bytes2

Command Mode

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