



B Commands

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backoff

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

Syntax Description

Syntax Description

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

Command Mode

- /exec/configure/ldp

backup-bw

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

Syntax Description

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

Command Mode

- /exec/configure/if-te

bandwidth

{ bandwidth <value> } | { no bandwidth }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	bandwidth	Bandwidth per flow
	<i>value</i>	Per Flow Bandwidth in Mbps

Command Mode

- /exec/configure/nbm-flow/policy

bandwidth

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

Syntax Description

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
<i>percentage</i>	Value in percentage
remaining	% of remaining bandwidth
<i>rem-perc</i>	Value in percentage

Command Mode

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

bandwidth

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

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
bandwidth		Set bandwidth informational parameter
<i>bandwidth_val</i>		Bandwidth in kilobits
inherit		Specify that bandwidth is inherited
<i>inherit_val</i>		(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

Syntax Description		
no		Negate a command or set its defaults
bandwidth		Set bandwidth informational parameter
<i>bandwidth_val</i>		Bandwidth in kilobits
inherit		Specify that bandwidth is inherited
<i>inherit_val</i>		(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

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

Syntax Description		
no		Negate a command or set its defaults
bandwidth		Set bandwidth informational parameter
<i>bandwidth_val</i>		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

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
<i>percentage</i>	Value in percentage
remaining	% of remaining bandwidth
<i>rem-perc</i>	Value in percentage

Command Mode

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

bandwidth

[no] bandwidth | bandwidth { <bw> }

Syntax Description

Syntax Description	<i>no</i>	Negate a command or set its defaults
	<i>bandwidth</i>	Specify LSP bandwidth
	<i>bw</i>	bandwidth requirement in kbps

Command Mode

- /exec/configure/te/lsp-attr

bandwidth

[no] bandwidth | bandwidth { <kbps> }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	bandwidth	tunnel bandwidth requirement
	<i>kbps</i>	bandwidth requirement in kbps

Command Mode

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

bandwidth

bandwidth <bandwidth_val> | no bandwidth

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
bandwidth		Set bandwidth informational parameter
<i>bandwidth_val</i>		Bandwidth in kilobits

Command Mode

- /exec/configure/if-vlan-common

banner motd

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

Syntax Description

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

Syntax Description	bcm-shell	bcm shell/cmd
	module	Module number of the linecard
	<i>module</i>	Enter module number
	<i>quoted-cmd</i>	the command to run on bcm-shell

Command Mode

- /exec

bcm-shell module

bcm-shell module <module>

Syntax Description

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

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

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
<i>expr</i>	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
<i>num</i>	(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

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 tiebreaker	
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

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

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
	<i>millis</i>	milli-secs later

Command Mode

- /exec/configure

bfd-app session remove

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

Syntax Description

Syntax Description	
<code>bfd-app</code>	BFD application commands
<code>session</code>	session operation
<code>remove</code>	Remove sessions
<code>all</code>	Remove all sessions
<code>intf</code>	Remove all sessions on interface
<code>intf_id</code>	Interface Id
<code>iod</code>	interface iod
<code>iod_id</code>	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

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

Command Mode

- /exec/configure

bfd-neighbor

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

Syntax Description

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

Command Mode

- /exec/configure/if-nve

bfd

[no] bfd

Syntax Description

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

Syntax Description

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 | default] bfd

Syntax Description

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 [ipv4 | ipv6]

Syntax Description

Syntax Description	no (Optional) Negate a command or set its defaults
	bfd BFD commands
	ip4 (Optional) ipv4 sessions
	ip6 (Optional) ipv6 sessions

Command Mode

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

bfd

[no] bfd

Syntax Description

Syntax Description

n (Optional) Negate a command or set its defaults

l Enable BFD on all OSPF interfaces

Command Mode

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

bfd

[no] bfd

Syntax Description

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 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

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
<i>auth_name</i>		auth algorithm
key-id		Key ID to use in BFD frames
<i>key_id_val</i>		Key ID value
key		ASCII SHA1 secret
hex-key		HEX binary SHA1 secret
<i>key_val</i>		SHA1 secret value
<i>h_key_val</i>		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

Syntax Description	
no	(Optional) Negate a command or set its defaults
bfd	BFD commands
echo-interface	Configure interface used for bfd echo frames
<i>ifindex</i>	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

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
<i>intv</i>		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

Syntax Description

no (Optional) Negate a command or set its defaults

bfd BFD commands

all 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

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	
<i>min_tx_mills</i>	(Optional) TX interval in milliseconds	
min_rx	(Optional) Minimum RX interval	
<i>min_rx_mills</i>	(Optional) RX interval in milliseconds	
multiplier	(Optional) Configure detect multiplier for bfd sessions	
<i>int_mult</i>	(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

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
<i>min_tx_mills</i>	(Optional)	TX interval in milliseconds
min_rx	(Optional)	Minimum RX interval
<i>min_rx_mills</i>	(Optional)	RX interval in milliseconds
multiplier	(Optional)	Configure detect multiplier for bfd sessions
<i>int_mult</i>	(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

Syntax Description		
bfd		BFD commands
interval		Configure BFD session interval parameters
ipv6		(Optional) ipv6 sessions
ipv4		(Optional) ipv4 sessions
<i>min_tx_mills</i>		TX interval in milliseconds
min_rx		Minimum RX interval
<i>min_rx_mills</i>		RX interval in milliseconds
multiplier		Configure detect multiplier for bfd sessions
<i>int_mult</i>		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

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

Command Mode

- /exec/configure

bfd move-session target

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

Syntax Description

Syntax Description	bfd	BFD commands
	move-session	move a session
	target	Target module
	<i>target_mod</i>	Module number
	<i>discr</i>	(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

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
<i>src_ip</i>	Source ip value
dest-ip	Destination ip
<i>dest_ip</i>	Destination ip value

Command Mode

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

bfd optimize subinterface

[no] bfd [ipv4] optimize subinterface

Syntax Description

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

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

Syntax Description	bfd	BFD commands
	session-store	session store operation
	remove	Remove session from session store
	<i>hex_disc</i>	Session discriminator
	client	Client Id
	<i>int_cl</i>	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

Syntax Description		
bfd		BFD commands
session-store		Session store operation
source-ip		source ip
<i>src_ip</i>		source ip value
dest-ip		dest ip
<i>dest_ip</i>		source ip value
intf		interface
<i>intf_id</i>		Interface Id
client		Client Id
<i>int_cl</i>		client

Command Mode

- /exec/configure

bfd session state state

bfd session state <hex_disc> state <state_up_down>

Syntax Description

Syntax Description		
bfd		BFD commands
session		session related test
state		Change session state
<i>hex_disc</i>		Session discriminator
state		Change to state
<i>state_up_down</i>		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

Syntax Description		
no		Negate a command or set its defaults
bfd		BFD commands
slow-timer		Configure slow mode timer for sessions
<i>int_slow_timer</i>		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

Syntax Description		
no	(Optional) Negate a command or set its defaults	
bfd	BFD commands	
startup-timer	Configure Delayed Start Up timer for sessions	
<i>int_startup_timer</i>	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

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
<i>sess_histories_val</i>	Number of session histories to retain
retry	retry
interval	interval
lc	LC
retry	LC retry (secs)
<i>max_lc_retry_val</i>	Value for max interval(sec)
<i>lc_retry_val</i>	gap in seconds
session	Session
init	reinit interval
flush	flush interval
interval	interval
<i>init_retry_val</i>	Gap in seconds
acl	acl
<i>max_acl_retry_val</i>	Maximum interval for which acl installation needs to be retried (secs)

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

Syntax Description	no	(Optional) Negate a command or set its defaults
	binary-location	the location binaries are downloaded from
	<i>source-uri</i>	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

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

Command Mode

- /exec

bloggerd delete all

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

Syntax Description

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

Syntax Description	bloggerd	Blogger commands
	live-process-core	Request a process core dump without killing it
	process	Linux Process name
	<i>process-name</i>	Enter the Linux name of the process for which core is being requested (Eg: sysmgr)
	pid	Process PID
	<i>process-pid</i>	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

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

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
<i>module</i>	(Optional) Enter a valid Module Number
sap	Enable Buffer Dump for a particular sap
<i>sap_num</i>	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
<i>new_id</i>	(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

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
<i>sap</i>		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
<i>uuid</i>		Enter valid app's UUID
instance		Buffer Instance of the App-Specific SDWrap buffer
<i>buffer-instance</i>		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

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
	<i>uuid</i>	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

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
<i>min-rollover</i>	(Optional) Enter the minimum number of roll-overs before throttling log-dump. Default: 5
max-rollover-per-minute	(Optional) Maximum allowed buffer rollovers per minute. Default: 1
<i>max-rollover-per-minute</i>	(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

Syntax Description	bloggerd	Blogger commands
	log-transfer	Configure log transfer
	<i>ip-addr</i>	IP addr of logging server
	<i>path</i>	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

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

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

Command Mode

- /exec

bloggerd leak-dump all

bloggerd leak-dump all

Syntax Description

Syntax Description	bloggerd	Blogger commands
	leak-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

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!
<i>uri0</i>	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

Syntax Description	bloggerd	Blogger commands
	parse	Parse a file
	log-buffer	Parse buffer log file
	file	Enter file name. Please unzip file before parsing!
	<i>uri0</i>	Linux path to file (Eg: /bootflash/abc)
	sap	SAP of the application which should parse the file
	<i>sap-num</i>	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

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

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
<i>server-number</i>		Server Id

Command Mode

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

bmp-server

[no] bmp-server <server-number>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	bmp-server	Configure bmp-server
	<i>server-number</i>	server number value

Command Mode

- /exec/configure/router-bgp

boot-install nxos

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

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	boot-install	Configure boot variables
	nxos	Configure NXOS image
	<i>uri0</i>	Enter NXOS image uri

Command Mode

- /exec/configure

boot-order

boot-order <new_id>

Syntax Description

Syntax Description

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

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

Command Mode

- /exec/configure/vdc

boot

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

Syntax Description

Syntax Description

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

Command Mode

- /exec/configure

boot aci

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

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	boot	Configure boot variables
	aci	Configure ACI image
	<i>uri0</i>	Enter ACI image uri

Command Mode

- /exec/configure

boot auto-copy

[no] boot auto-copy

Syntax Description

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

Syntax	Description
no	Negate a command or set its defaults
boot	Configure boot variables
kickstart	Configure kickstart image
<i>uri0</i>	Enter Kickstart image uri

Command Mode

- /exec/configure

boot mode lxc

[no] boot mode lxc

Syntax Description

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

Syntax Description	no	Negate a command or set its defaults
	boot	Configure boot variables
	nxos	Configure NXOS image
	<i>uri0</i>	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

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

Syntax Description	
no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
<i>uri0</i>	Enter kickstart image uri
<i>sp-1</i>	Enter sup-1 to configure the 1st sup
<i>sp-2</i>	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

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

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

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

Syntax Description	no	Negate a command or set its defaults
	boot	Configure boot variables
	system	Configure system image
	<i>uri0</i>	Enter system image uri

Command Mode

- /exec/configure

bootmode boot

[no] bootmode boot

Syntax Description

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

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

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

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
<i>module</i>		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
nodia runtime		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

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

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

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

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

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

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	
	<i>value-in-bytes</i>	
bytes	bytes	
fall-threshold	Threshold bytes(queue depth) to stop monitoring burst	
	<i>value-in-bytes</i>	
bytes2	bytes2	

Command Mode

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