



## B Commands

---

- [backoff](#), on page 4
- [backup-bw](#), on page 5
- [bandwidth](#), on page 6
- [bandwidth](#), on page 7
- [bandwidth](#), on page 8
- [bandwidth](#), on page 9
- [bandwidth](#), on page 10
- [bandwidth](#), on page 11
- [bandwidth](#), on page 12
- [bandwidth](#), on page 13
- [bandwidth](#), on page 14
- [banner motd](#), on page 15
- [bcm-shell module](#), on page 16
- [bcm-shell module](#), on page 17
- [beacon](#), on page 18
- [begin exclude include end](#), on page 19
- [bestpath](#), on page 20
- [bestpath all](#), on page 21
- [bestpath compare-neighborid](#), on page 22
- [bfd-app session auto-expiry timeout](#), on page 23
- [bfd-app session remove](#), on page 24
- [bfd-app session src-ip dest intf](#), on page 25
- [bfd-neighbor](#), on page 26
- [bfd](#), on page 27
- [bfd](#), on page 28
- [bfd](#), on page 29
- [bfd](#), on page 30
- [bfd](#), on page 31
- [bfd](#), on page 32
- [bfd authentication key-id key](#), on page 33
- [bfd echo-interface](#), on page 34
- [bfd echo-rx-interval](#), on page 35
- [bfd echo](#), on page 36

- bfd interval, on page 37
- bfd interval, on page 38
- bfd interval min\_rx multiplier, on page 39
- bfd interval min\_rx multiplier, on page 40
- bfd move-session target, on page 41
- bfd neighbor src-ip dest, on page 42
- bfd optimize subinterface, on page 43
- bfd per-link, on page 44
- bfd session-store remove client, on page 45
- bfd session-store source-ip dest-ip intf client, on page 46
- bfd session state state, on page 47
- bfd slow-timer, on page 48
- bfd startup-timer bfd startup-timer, on page 49
- bgp, on page 50
- binary-location, on page 51
- bind interface, on page 52
- bind mac-address, on page 53
- blink, on page 54
- bloggerd delete all, on page 55
- bloggerd live-process-core process pid, on page 56
- bloggerd live-process-core sap, on page 57
- bloggerd log-dump all, on page 58
- bloggerd log-dump once log-buffer sap event-history, on page 59
- bloggerd log-dump once pss uuid, on page 60
- bloggerd log-throttle, on page 61
- bloggerd log-transfer, on page 62
- bloggerd log-transfer, on page 63
- bloggerd mleak-check directory1 directory2, on page 64
- bloggerd mleak-dump all, on page 65
- bloggerd parse log-buffer file, on page 66
- bloggerd parse log-buffer file sap, on page 67
- bloggerd parse pss file, on page 68
- boot-install nxos, on page 69
- boot-order, on page 70
- boot, on page 71
- boot aci, on page 72
- boot auto-copy, on page 73
- boot kickstart, on page 74
- boot nxos, on page 75
- boot nxos sup-1, on page 76
- boot nxos sup-1 sup-2, on page 77
- boot nxos sup-2, on page 78
- boot order bootflash, on page 79
- boot order pxe, on page 80
- boot system, on page 81
- bootmode boot, on page 82

- [bootmode extruntime](#), on page 83
- [bootmode hitless](#), on page 84
- [bootmode module](#), on page 85
- [bootmode nodiagruntime](#), on page 86
- [bootmode runtime](#), on page 87
- [buffer-boost](#), on page 88
- [buffer-delete](#), on page 89
- [buffer-move](#), on page 90
- [burst-detect rise-threshold bytes fall-threshold bytes2](#), on page 91

# backoff

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

## 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

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

## Command Mode

- /exec/configure/if-te

# bandwidth

bandwidth <bandwidth\_val> | no bandwidth

## 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

# 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
<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

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

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

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
<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

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

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

## Command Mode

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

# 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
<i>line</i>	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
<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

bcm-shell	bcm shell/cmd
module	Module number of the linecard
<i>module</i>	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
<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 | 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
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

# bestpath compare-neighborid

[no] bestpath compare-neighborid

## Syntax Description

no	(Optional) Negate a command or set its defaults
bestpath	Change default bestpath selection algorithm
compare-neighborid	When more paths available than max path config, use neighborid tibraker

## Command Mode

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

## **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
<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

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

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

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

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

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

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 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
<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

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

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

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
<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

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

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

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

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

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

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
<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

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

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

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**

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

# bgp

bgp

## Syntax Description

bgp	Enter EVPN BGP configuration mode
-----	-----------------------------------

## Command Mode

- /exec/configure/evpn/evi

# 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
<i>source-uri</i>	Location for resotation 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
<i>interface-name</i>	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
<i>mac0</i>	Enter MAC address 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
<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

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
<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

bloggerd	Blogger commands
live-process-core	Dump the core of the live-process
sap	Dump core for a particular SAP
<i>sap</i>	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
<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

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

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

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

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

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
<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

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!
<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

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

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!
<i>uri0</i>	Linux path to file/directory (Eg: /bootflash/abc)

## Command Mode

- /exec

# 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
<i>uri0</i>	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 parallelly
<i>new_id</i>	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

<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

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

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
<i>uri0</i>	Enter Kickstart image uri

## 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
<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

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
<i>uri0</i>	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
<i>uri0</i>	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
<i>uri0</i>	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 ] }
```

## Syntax Description

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 ] }
```

## Syntax Description

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
<i>uri0</i>	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
<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
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)
<i>id-range</i>	Range(whole-number) of command id(s) to be deleted from switch-profile buffer
<i>id</i>	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)
<i>fromid</i>	Command id of command(s) to be moved in switch-profile buffer
<i>toid</i>	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
bytes	bytes
fall-threshold	Threshold bytes(queue depth) to stop monitoring burst
bytes2	bytes2

### Command Mode

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

burst-detect rise-threshold bytes fall-threshold bytes2