

Show Commands

bof

Syntax `bof [cflash-id | booted]`

Context show

Description This command displays the Boot Option File (BOF) executed on last system boot or on the specified device. If no device is specified, the BOF used in the last system boot displays. If the BOF has been modified since the system boot, a message displays.

Parameters *cflash-id*. The cflash directory name. The slot name is not case-sensitive. Use upper or lowercase “A” or “B” for the slot name.

Values `cf1:, cf1-A:, cf1-B:, cf2:, cf2-A:, cf2-B:, cf3:, cf3-A:, cf3-B:`

booted — Displays the boot option file used to boot the system.

Output **Show BOF Fields** — The following table describes BOF output fields.

Table 21: Show BOF Output Fields

Label	Description
<code>primary-image</code>	The primary location of the directory that contains the runtime images of both CPM and IOM.
<code>primary-config</code>	The primary location of the file that contains the configuration.
<code>primary-dns</code>	The primary DNS server for resolution of host names to IP addresses.
<code>secondary-image</code>	The secondary location of the directory that contains the runtime images of both CPM and IOM.
<code>secondary-config</code>	The secondary location of the file that contains the configuration.
<code>secondary-dns</code>	The secondary DNS server for resolution of host names to IP addresses.
<code>tertiary-image</code>	The tertiary location of the directory that contains the runtime images of both CPM and IOM.
<code>tertiary-config</code>	The tertiary location of the file that contains the configuration.
<code>address</code>	The IP address and mask associated with the CPM Ethernet port or the secondary CPM port.
<code>tertiary-dns</code>	The tertiary DNS server for resolution of host names to IP addresses.
<code>persist</code>	<code>on</code> — Persistent indexes between system reboots is enabled. <code>off</code> — Persistent indexes between system reboots is disabled.

Table 21: Show BOF Output Fields (Continued)

Label	Description
wait	The time configured for the boot to pause while waiting for console input.
autonegotiate	No autonegotiate – Autonegotiate not enabled. autonegotiate – Autonegotiate is enabled.
duplex	half – Specifies that the system uses half duplex. full – Specifies that the system uses full duplex.
speed	The speed of the CPM Ethernet interface.
console speed	The console port baud rate.
dns domain	The domain name used when performing DNS address resolution.
uplinkA-address	Displays the Uplink-A IP address.
uplinkA-port	Displays the primary port to be used for auto-boot.
uplinkA-route	Displays the static route associated with Uplink-A.
uplinkA-vlan	Displays the VLAN ID to be used on Uplink-A.
uplinkB-address	Displays the Uplink-B IP address.
uplinkB-port	Displays the secondary port to be used for auto-boot.
uplinkB-route	Displays the static route associated with Uplink-B.
uplinkB-vlan	Displays the VLAN ID to be used on Uplink-B.
uplink-mode	This parameter displays the uplink mode of the device.
no-service-ports	Displays the ports on which service traffic is not processed.
use-expansion-card-type	Displays the expansion card type.

Sample Output

```
A:ALA-1# show bof cf3:
=====
BOF on cf3:
=====
autonegotiate
  primary-image      ftp://test:test@192.168.xx.xx/./both.tim
  primary-config     ftp://test:test@192.168.xx.xx/./1xx.cfg
  secondary-image    cf1:/i650/
  secondary-config   cf1:/config.cfg
  address            192.168.xx.xxx/20 active
  address            192.168.xx.xxx/20 standby
  primary-dns        192.168.xx.xxx
```

```

dns-domain      test.test.com
autonegotiate
duplex          full
speed          100
wait           2
persist        off
console-speed  115200
=====
A:ALA-1#
A:ALA-1# show bof booted
=====
System booted with BOF
=====
primary-image   ftp://test:test@192.168.xx.xx/./both.tim
primary-config  ftp://test:test@192.168.xx.xx/./103.cfg
secondary-image cf1:/i650/
secondary-config cf1:/config.cfg
address        192.168.xx.xxx/20 active
address        192.168.xx.xxx/20 standby
primary-dns    192.168.xx.xxx
dns-domain     test.test.com
autonegotiate
duplex         full
speed         100
wait          2
persist       off
console-speed 115200
=====
A:ALA-1#

```

Show Commands

boot-messages

Syntax boot-messages

Context show

Description This command displays boot messages generated during the last system boot.

Output **Show Boot Messages Fields** — The following output shows boot message output fields.

Sample Output

```
ALA-## show boot-messages
Boot log started on CPU#0
  Build: X-1.2.B1-7 on Thurs Jan 13 14:49:23 201 by builder
  CPUCTL FPGA version: 2A
Forcing BDB controller to HwSlot 0
Performing Power on Diagnostics
>>>Testing mainboard FPGA chain...
JTAG chain length = 2
All requested FPGAs on chain programmed
>>>Validating SDRAM from 0x21f00000 to 0x22000000
>>>Testing SDRAM from 0x02200000 to 0x21f00000
>>>Testing Compact Flash 1... Slot Empty
>>>Testing Compact Flash 2... Slot Empty
>>>Testing Compact Flash 3... OK (TOSHIBA THNCF128MBA)
Wales peripheral FPGA version is 0x13
Hardware Slot 31
Card type in EEPROM is 0x6, 'england_r1'
MDA #1: HwType 0x02, 'denmark_r1', Serial Number 'de3-52'
MDA #2: HwType 0x16, 'hungary_ds3_e3_12_r1', Serial Number 'hun01-02'
Board Serial Number is 'eng02-15'
Chassis type 4 (sr1) found in BP 1 EEPROM
Chassis Serial Number is '0203210096'
JTAG chain length = 2
All requested FPGAs on chain programmed
Searching for boot.ldr on local drives:
Searching cf3 for boot.ldr...
*****
  Loaded 0x001bc191 bytes from cf3 to 0x80400000
  Decompressing to address 0x0a000000
Starting code...

Total Memory: 512MB Chassis Type: sr1 Card Type: england_r1
TiMOS-L-1.2.B1-7 boot/hops/T2.02 Copyright (c) 2000-2011 Alcatel, Inc.
Built on Thurs Jan 13 15:15:25 2003 by builder in /rel1.2/b1/B1-7/panos/main

TiMOS BOOT LOADER
Time from clock is Thurs Jan 13 08:39:03 2011 UTC
Error: could not open boot messages file.
Boot messages will not be stored.

Looking for cf3:/bof.cfg ... OK, reading

Contents of Boot Options File on cf3:
  primary-image ftp://vxworks:vxw0rks@192.168.15.1/./rel/0.0/I129
  primary-config cf3:/config.cfg
```

```

address          192.168.13.48/20 active
primary-dns      192.168.1.254
dns-domain       eng.timetra.com
autonegotiate
duplex           full
speed            100
wait             3
persist          off
  
```

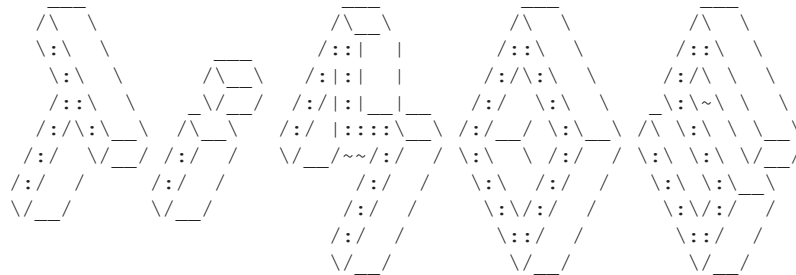
Hit a key within 1 second to change boot parms...

```

Primary image location: ftp://vxworks:vxw0rks@192.168.15.1/./rel/0.0/I129
Initializing management port tme0 using IP address 192.168.13.48.
Loading image ftp://vxworks:vxw0rks@192.168.15.1/./rel/0.0/I129/both.tim
Version B-0.0.I129, Thurs Jan 13 21:24:57 2011 by builder in /rel0.0/I129/panos/main
text:(8906865-->21711576) + data:(587508-->5418992)
Executing TiMOS image at 0x2800000
  
```

```

Total Memory: 512MB Chassis Type: srl Card Type: england_r1
TiMOS-B-0.0.I129 both/hops/T2.02 Copyright (c) 2000-2011 Alcatel.
All rights reserved. All use subject to applicable license agreements.
Built on Thurs Jan 13 21:24:57 2011 by builder in /rel0.0/I129/panos/main
  
```



```

Time from clock is THU JAN 13 08:39:11 2011 UTC
Attempting to exec configuration file:
'cf3:/config.cfg' ...
System Configuration
Log Configuration
Card Configuration
Port Configuration
Router (Network Side) Configuration
Service Configuration
Router (Service Side) Configuration
Executed 232 lines in 0.0 seconds from file cf3:\config.cfg
ALA-1#
  
```

Show Commands