



## B Commands

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The commands in this chapter apply to the Cisco MDS 9000 Family of multilayer directors and fabric switches. All commands are shown here in alphabetical order regardless of command mode. See the “Command Modes” section to determine the appropriate mode for each command. For more information, refer to the *Cisco MDS 9000 Family Configuration Guide*.

- [boot](#), page 3-2
- [bport](#), page 3-3
- [bport-keepalive](#), page 3-4

# boot

To perform operations on the system, use the **boot** command in configuration mode.

**boot** [ **auto-copy** | **kickstart** | **system**] [**bootflash:** | **slot0:** | **tftp:**] [**sup-1** | **sup-2**]

Syntax Description		
<b>auto-copy</b>		Automatically copies the boot variable images.
<b>kickstart</b>		Configures the kickstart image.
<b>system</b>		Configures the system image.
<b>bootflash:</b>		Specifies system image URI for bootflash.
<b>slot0:</b>		Specifies system image URI for slot 0.
<b>tftp:</b>		Specifies system image URI for TFTP.
<b>sup-1</b>		The upper supervisor.
<b>sup-2</b>		The lower supervisor.

**Defaults** None.

**Command Modes** Configuration mode.

**Command History** This command was modified in Cisco MDS SAN-OS Release 1.2(1).

**Usage Guidelines** The **boot kickstart slot0:image** command is currently not allowed. For kickstart, only bootflash: is allowed.

The **boot auto-copy** command is disabled by default. When issued, this command copies the boot variable images which are local (present) in the active supervisor module (but not in the standby supervisor module) to the standby supervisor module. For kickstart and system boot variables, only those images that are set for the standby supervisor module may be copied. For module (line card) images, all of them that are not present in standby's corresponding locations (bootflash or slot0) will be copied.

**Examples** The following example adds the new system image file to the SYSTEM environment variable.

```
switch(config)# boot system bootflash:system.img
```

The following example boots from the CompactFlash device (slot0:).

```
switch(config)# boot system slot0:system.img
```

The switch updates the SYSTEM environment variable to reflect the new image file in the specified Flash device.

The following example overwrites the old Kickstart environment variable in the configuration file:

```
switch(config)# boot kickstart kickstart.img
```

# bport

To configure a B port FCIP interface, use the **bport** option. To disable a bport FCIP interface, use the **no** form of the option.

**bport**

**no bport**

Syntax	Description
<b>bport</b>	Sets the B port mode.

Defaults
Disabled

Command Modes
Configuration mode

Command History
This command was introduced in Cisco MDS SAN-OS Release 1.1(1).

Usage Guidelines
Access this command from the <code>switch(config-if)#</code> submode.

Examples
<pre>switch# <b>config t</b> switch(config)# <b>interface fcip 1</b> switch(config-if)# <b>bport</b></pre>

Related Commands	Command	Description
	<b>show interface fcip</b>	Displays an interface configuration for a specified FCIP interface.
	<b>bport-keepalive</b>	Configures B port keepalive responses.

# bport-keepalive

To configure keepalive responses for B port FCIP interfaces, use the **bport-keepalive** option. To disable bport-keepalive for an FCIP interface, use the **no** form of the option.

**bport-keepalive**

**no bport-keepalive**

<b>Syntax Description</b>	<b>bport-keepalive</b> Configures the keepalive responses for the B port FCIP interface.						
<b>Defaults</b>	Disabled						
<b>Command Modes</b>	Configuration mode						
<b>Command History</b>	This command was introduced in Cisco MDS SAN-OS Release 1.1(1).						
<b>Usage Guidelines</b>	Access this command from the <code>switch(config-if)#</code> submode.						
<b>Examples</b>	<pre>switch# <b>config t</b>  switch(config)# <b>interface fcip 1</b>  switch(config-if)# <b>bport-keepalives</b></pre>						
<b>Related Commands</b>	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><b>show interface fcip</b></td> <td>Displays an interface configuration for a specified FCIP interface.</td> </tr> <tr> <td><b>bport</b></td> <td>Configure a B port FCIP interface.</td> </tr> </tbody> </table>	Command	Description	<b>show interface fcip</b>	Displays an interface configuration for a specified FCIP interface.	<b>bport</b>	Configure a B port FCIP interface.
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