



B Commands

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*.

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banner motd

To configure a message of the day (MOTD) banner, use the **banner motd** command in configuration mode.

banner motd [*delimiting-character message delimiting-character*]

no banner motd [*delimiting-character message delimiting-character*]

Syntax Description		
	<i>delimiting-character</i>	Identifies the delimiting character.
	<i>message</i>	Specifies the banner message that is restricted to 40 lines with a maximum of 80 characters in each line.

Defaults

None.

Command Modes

Configuration mode.

Command History

This command was introduced in Cisco MDS SAN-OS Release 1.3(4).

Usage Guidelines

The configured MOTD banner is displayed before the login prompt on the terminal whenever a user logs in to a Cisco MDS 9000 Family switch.

Follow these guidelines when choosing your delimiting character:

- Do not use the *delimiting-character* in the *message* string.
- Do not use " and % as delimiters.

You can include tokens in the form \$(token) in the message text. Tokens will be replaced with the corresponding configuration variable. For example:

- \$(hostname) displays the host name for the switch
- \$(line) displays the vty or tty line no or name
- The \$(line-desc) and \$(domain) tokens are not supported.

Examples

The following example configures a banner message with the following text “Testing the MOTD Feature.”

```
switch# config t
switch(config)# banner motd # Testing the MOTD Feature. #
```

The following example spans multiple lines and uses tokens to configure the banner message:

```
switch# config t
switch(config)# banner motd #
Enter TEXT message. End with the character '#'.
Welcome to switch $(hostname).
You tty line is $(line).
#
```

Related Commands

Command	Description
show banner motd	Displays the configured banner message.

boot

To perform operations on the system, use the **boot** command in configuration mode. Use the **no** form of this command to negate this feature or return to factory defaults.

```
boot {asm-sfn {bootflash: | slot0: | tftp:}[image] [ module [slot-number]] |
auto-copy |
kickstart {bootflash: | slot0: | tftp:}[image] [sup-1 [sup-2] | sup-2] |
lasilc {bootflash: | slot0: | tftp:}[image] [ module [slot-number]] |
system {bootflash: | slot0: | tftp:}[image] [sup-1 [sup-2] | sup-2]}

no boot {asm-sfn | auto-copy | kickstart | lasilc | system}
```

Syntax Description

asm-sfn	Configures the virtualization image.
module <i>slot-number</i>	Specifies the slot number of the ASM.
auto-copy	Configures auto-copying of boot variable images.
kickstart	Configures the kickstart image.
lasilc	Configures the boot image.
system	Configures the system image.
bootflash:	Specifies system image URI for bootflash.
slot0:	Specifies system image URI for slot 0.
tftp:	Specifies system image URI for TFTP.
<i>image</i>	Specifies the image file name.
sup-1	The upper supervisor.
sup-2	The lower supervisor.

Defaults

Disabled.

Command Modes

Configuration mode.

Command History

This command was modified in Cisco MDS SAN-OS Release 1.2(2).

Usage Guidelines

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

When the **boot auto-copy** command is issued, the system 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 are copied. For modules (line card) images, all modules 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:). The switch updates the SYSTEM environment variable to reflect the new image file in the specified Flash device.

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

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

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

The following example specifies the ASM image to be used:

```
switch(config)# boot asm-sfn bootflash:m9000-ek9-asm-sfn-mz.1.2.2.bin
```

The following example enables automatic copying of boot variables from the active supervisor module to the standby supervisor module.

```
switch(config)# boot auto-copy
```

The following example disables the automatic copy feature (default).

```
switch(config)# no boot auto-copy
```

Related Commands

Command	Description
<code>show boot</code>	Displays the configured boot variable information.

bport

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

bport

no bport

Syntax Description This command has no other arguments or keywords.

Defaults Disabled

Command Modes Interface onfiguration submode

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

Usage Guidelines Access this command from the `switch(config-if)#` submode.

Examples

```
switch# config t
switch(config)# interface fcip 1
switch(config-if)# bport
```

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

bport-keepalive

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

bport-keepalive

no bport-keepalive

Syntax Description This command has no other arguments or keywords.

Defaults Disabled

Command Modes Interface configuration submode

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

Usage Guidelines Access this command from the `switch(config-if)#` submode.

Examples

```
switch# config t
switch(config)# interface fcip 1
switch(config-if)# bport-keepalives
```

Related Commands	Command	Description
	show interface fcip	Displays an interface configuration for a specified FCIP interface.
	bport	Configures a B port FCIP interface.

