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CHAPTER 5

D 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. Please see the Command Mode section to determine the appropriate mode for each command. For more information, see the *Cisco MDS 9000 Family Configuration Guide*.

- delete
- dir
- discover scsi-target

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delete

To delete a file on a Flash memory device, use the **delete** command.

```
delete {bootflash:filename | slot0:filename | volatile:filename}
```

Syntax Description	
bootflash:	Flash image that resides on the supervisor module.
slot0:	Flash image that resides on another module.
volatile:	Flash image that resides on the volatile file system.
<i>filename</i>	The name of the file to be deleted.

Defaults None

Command Modes EXEC

Usage Guidelines When you delete a file, the software marks the file as deleted, but it does not erase the file. This feature allows you to later recover a "deleted" file using the undelete command. You can delete a file up to 15 times.

If you attempt to delete the configuration file or image specified by the CONFIG_FILE or BOOTLDR environment variable, the system prompts you to confirm the deletion. Also, if you attempt to delete the last valid system image specified in the BOOT environment variable, the system prompts you to confirm the deletion.

Examples The following example deletes the file named test from the Flash card inserted in slot 0:

```
switch# delete slot0:test
Delete slot0:test? [confirm]
```

This example shows how to delete a file from a directory:

```
switch# delete dns_config.cfg
switch#
```

This example shows how to delete a file from an external CompactFlash (slot0):

```
switch# delete slot0:dns_config.cfg
switch#
```

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Related Commands	Command	Description
	cd	Changes the default directory or file system.
	dir	Displays a list of files on a file system.
	show boot	Displays the contents of the BOOT environment variable, the name of the configuration file pointed to by the CONFIG_FILE environment variable, the contents of the BOOTLDR environment variable, and the configuration register setting.

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dir

To display the contents of the current directory or the specified directory, use the **dir** command.

dir [**bootflash:***directory or file name* | **slot0:***directory or filename* | **volatile:***directory or filename* | *directory or filename*]

Syntax Description	
volatile:	Flash image on the volatile file system.
bootflash:	Flash image that resides on the supervisor module.
slot0:	Flash image that resides on another module.
<i>filename</i>	(Optional) Name of the file(s) to display on a specified device. The files can be of any type. You can use wildcards in the filename. A wildcard character (*) matches all patterns. Strings after a wildcard are ignored.

Defaults The default file system is specified by the **cd** command.

Command Modes EXEC

Usage Guidelines None.

Examples This example shows how to list the files on the bootflash directory:

```
switch# dir bootflash:
total 100756
drwxrwxrwx  2 admin          1024 Fri Sep 27 17:35:13 2002 .ssh
drwxrwxrwx  2 admin          1024 Fri Sep 27 17:35:13 2002 .ssh2
-rw-r--r--  1 admin           37 Thu Sep 19 12:16:36 2002 ^[[2C
-rw-r--r--  1 admin       13636096 Fri Sep 20 19:58:56 2002 kickstart-233b
-rw-rw-rw-  1 admin       13636096 Wed Sep 25 17:26:47 2002 kickstart-233d
-rw-rw-rw-  1 admin       14340096 Fri Sep 27 17:28:41 2002 kickstart-240
drwxr-xr-x  2 admin          1024 Thu Apr 18 08:27:44 2002 harshabh
-rw-r--r--  1 admin       19280051 Fri Sep 20 20:02:33 2002 san-ios-233b
-rw-rw-rw-  1 admin       19281464 Wed Sep 25 17:28:12 2002 san-ios-233d
-rw-rw-rw-  1 admin       21917189 Fri Sep 27 17:29:51 2002 san-ios-240
drwxr-xr-x  2 admin          3072 Tue Oct 01 10:54:18 2002 logs
drwxr-xr-x  2 admin       12288 Sun Mar 31 19:18:26 2002 lost+found
drwxr-xr-x  3 admin          1024 Wed Apr 10 20:17:44 2002 old-fs
drwxr-xr-x  3 admin          1024 Wed Sep 18 13:18:54 2002 old-fs-old
-rwxr-xr-x  1 admin       636579 Mon Sep 30 05:32:42 2002 rd1
drwxr-xr-x  2 admin          1024 Mon Sep 30 05:37:55 2002 src
124688384 bytes total used
311350272 bytes free
459779072 bytes available
```

The following is sample output from the dir command:

```
switch# dir slot0:
```

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Related Commands	Command	Description
	cd	Changes the default directory or file system.
	delete	Deletes a file on a Flash memory device.

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discover scsi-target

To discover SCSI targets on local storage to the switch or remote storage across the fabric, use the **discover scsi-target** command.

```
discover scsi-target {local | remote | vsan vsan-id fcid fcid-id}
```

Syntax Description		
	local	Discovers local SCSI targets.
	remote	Discovers remote SCSI targets.
	vsan <i>vsan-id</i> fcid <i>fcid-id</i>	Discovers SCSI targets for the specified VSAN and FC ID.

Defaults None.

Command Modes Exec

Usage Guidelines On-demand discovery only discovers Nx Ports present in the name server database which have registered a FC4 Type = SCSI_FCP.

Examples The following example shows how to discover local targets.

```
switch# discover scsi-target local
discovery started
switch#
```

The following example shows how to discover remote targets.

```
switch# discover scsi-target remote
discovery started
switch#
```

The following example shows how to discover both local and remote targets.

```
switch# discover scsi-target
discovery started
switch#
```

The following example shows how to discover SCSI targets for the specified VSAN (1) and FC ID (0x9c03d6).

```
switch# discover scsi-target vsan 1 fcid 0x9c03d6
discover scsi-target vsan 1 fcid 0x9c03d6
VSAN:      1 FCID: 0x9c03d6 PWWN: 00:00:00:00:00:00:00:00:00
  PRLI RSP: 0x01 SPARM: 0x0012
  SCSI TYPE: 0 NLUNS: 1
  Vendor: Company 4 Model: ST318203FC          Rev: 0004
  Other: 00:00:02:32:8b:00:50:0a
switch#
```