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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. 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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delete

To delete a specified file or directory on a Flash memory device, use the **delete** command in EXEC mode.

```
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 mode.

Command History This command was introduced in Cisco MDS SAN-OS Release 1.0(2).

Usage Guidelines When you delete a file, the software erases the file.

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]
```

The following example deletes a file from a directory.

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

The following example deletes a file from an external CompactFlash (slot0).

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

The following example deletes the entire `my-dir` directory:

```
switch# delete bootflash:my-dir
```

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dir

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

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

Syntax Description	
bootflash:	(Optional) Flash image that resides on the supervisor module.
slot0:	(Optional) Flash image that resides on another module.
<i>filename</i> <i>directory</i>	(Optional) Name of the files or directories 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.
volatile:	Flash image on the volatile file system.

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

Command Modes EXEC mode.

Command History This command was introduced in Cisco MDS SAN-OS Release 1.0(2).

Usage Guidelines None.

Examples The following 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 rdl
drwxr-xr-x  2 admin          1024 Mon Sep 30 05:37:55 2002 src
124688384 bytes total used
311350272 bytes free
459779072 bytes available
```

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The following example is sample output from the **dir** command.

```
switch# dir slot0:
```

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 in EXEC mode.

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

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

Defaults None.

Command Modes EXEC mode.

Command History This command was introduced in Cisco MDS SAN-OS Release 1.0(2).

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

Examples The following example shows how to discover local targets.

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

The following example shows how to discover remote targets.

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

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

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

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
  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
```

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