



## D 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*.

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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 }
```

<b>Syntax Description</b>	<b>bootflash:</b>	Flash image that resides on the supervisor module.
	<b>slot0:</b>	Flash image that resides on another module.
	<b>volatile:</b>	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.



**Caution**

If you specify a directory, the **delete** command deletes the entire directory and all its contents.

**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
```

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>cd</b>	Changes the default directory or file system.
<b>dir</b>	Displays a list of files on a file system.
<b>show boot</b>	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.

# 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	
<b>bootflash:</b>	(Optional) Flash image that resides on the supervisor module.
<b>slot0:</b>	(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.
<b>volatile:</b>	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 modified in Cisco MDS SAN-OS Release 1.2(1).

**Usage Guidelines** None.

**Examples** The following example shows how to list the files on the bootflash directory.

```
switch# dir bootflash:
40295206   Aug 05 15:23:51 1980  ilc1.bin
12456448   Jul 30 23:05:28 1980  kickstart-image1
12288      Jun 23 14:58:44 1980  lost+found/
27602159   Jul 30 23:05:16 1980  system-image1
12447232   Aug 05 15:08:30 1980  kickstart-image2
28364853   Aug 05 15:11:57 1980  system-image2
```

```
Usage for bootflash://sup-local
135404544 bytes used
49155072 bytes free
184559616 bytes total
```

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

# 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 { custom-list | local | partial | remote | vsan vsan-id domain domain-id }
```

Syntax Description		
<b>custom-list</b>		Discovers SCSI targets from the customized list.
<b>local</b>		Discovers local SCSI targets.
<b>remote</b>		Discovers remote SCSI targets.
<b>vsan</b> <i>vsan-id</i>		Discovers SCSI targets for the specified VSAN ID.
<b>domain</b> <i>domain-id</i>		Discovers SCSI targets for the specified domain ID. The domain ID is a number from 0 to 255 in decimal or a number from 0x0 to 0xFF in hex.

**Defaults** None.

**Command Modes** EXEC mode.

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

**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...
```

The following example begins discovering targets from the customized list.

```
switch# discover scsi-target custom-list
```

# discover custom-list

To selectively initiate discovery for specified domain IDs in a VSAN, use the **discover custom-list** command in EXEC mode.

```
discover custom-list [ add | delete ] vsan vsan-id domain fc-id}
```

Syntax Description		
<b>add</b>		Add a targets to the customized list.
<b>delete</b>		Deletes a target from the customized list.
<b>vsan</b> <i>vsan-id</i>		Discovers SCSI targets for the specified VSAN ID.
<b>domain</b> <i>fc-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 1.1(1).

**Usage Guidelines** None.

**Examples** The following example selectively initiates discovery for the specified VSAN and domain ID.

```
switch# discover custom-list add vsan 1 domain 0X123456
```

The following example deletes the specified VSAN and domain ID from the customized list.

```
switch# discover custom-list delete vsan 1 domain 0X123456
```

# do

Use the **do** command to execute an EXEC-level command from any configuration mode or submode.

**do** *command*

<b>Syntax Description</b>	<i>command</i> Specifies the EXEC command to be executed.
<b>Defaults</b>	None.
<b>Command Modes</b>	All configuration modes.
<b>Command History</b>	This command was introduced in Cisco MDS SAN-OS Release 1.1(1).
<b>Usage Guidelines</b>	Use this command to execute EXEC commands while configuring your switch. After the EXEC command is executed, the system returns to the mode from which you issued the do command.
<b>Examples</b>	<p>The following example disables the <b>terminal session-timeout</b> command using the <b>do</b> command in configuration mode.</p> <pre>switch(config)# do terminal session-timeout 0 switch(config)#</pre>



The following example create, enables, and displays the interface from configuration mode.

```
switch(config)# int fc 3/1
switch(config-if)# no shut
switch(config-if)# do show interface fc 3/1
fc3/1 is trunking
  Hardware is Fibre Channel
  Port WWN is 20:81:00:05:32:00:4a:9e
  Peer port WWN is 20:43:00:0c:88:00:4a:e2
  Admin port mode is auto, trunk mode is on
  Port mode is TE
  Port vsan is 1
  Speed is 2 Gbps
  Transmit B2B Credit is 0
  Receive B2B Credit is 255
  Receive data field Size is 2112
  Beacon is turned off
  Trunk vsans (admin allowed and active) (1-10)
  Trunk vsans (up) (1-10)
  Trunk vsans (isolated) ()
  Trunk vsans (initializing) ()
  5 minutes input rate 504 bits/sec, 63 bytes/sec, 0 frames/sec
  5 minutes output rate 344 bits/sec, 43 bytes/sec, 0 frames/sec
  69390 frames input, 4458680 bytes
    0 discards, 0 errors
    0 CRC, 0 unknown class
    0 too long, 0 too short
  69458 frames output, 3086812 bytes
    0 discards, 0 errors
  2 input OLS, 1 LRR, 0 NOS, 2 loop inits
  1 output OLS, 1 LRR, 1 NOS, 1 loop inits
```

