C H A P T E R **2**

A 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*.

aaa accounting

Use the **aaa accounting logsize** command to set the size of the local authentication, authorization, and accounting (AAA) log file. Use the **no** form of the ommand to clear the accounting configuration.

aaa accounting {logsize *integer*] [**method {local | radius}**

Syntax Description		
aaa accounting	Sets the size of the log file on the local disk.	
logsize	Configures the local accounting log file size (in bytes).	
integer	Sets the size limit of the local accounting log file in bytes from 0-300K.	
method	Configures method to be used for accounting.	
local	Enables local accounting.	
radius	Enables RADIUS to be used as accounting method.	

Defaults None.

Command Modes Configuration mode.

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

Usage Guidelines None.

Examples The following example shows the log file size configured at 29000 bytes.

```
switch# config t
switch(config)# aaa accounting logsize 29000
```

The following example shows the accounting method configured as RADIUS.

```
switch# config t
switch(config)# aaa accounting method radius
```

Related Commands	Command	Description
	show accounting config	Displays the configured accounting parameters.
	show accounting logsize	Displays the configured log size.
	show accounting log	Displays the entire log file.

aaa authentication login

To configure the authentication method, use the aaa authentication login command in all modes.

aaa authentication login local [console | telnet] none [console | telnet] radius [console | telnet]

Syntax Description		
local	Local authentication method.	
console	Authentication method for console login.	
telnet	Authentication method for remote access (SSH/Telnet).	
none	No authentication, everyone permitted.	
radius	RADIUS authentication method.	

Defaults

Disabled.

Command Modes

Available in all command modes.

Command History

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

Usage Guidelines

The **local** option disables other authentication methods and configures local authentication to be used exclusively.

Examples

The following example shows the authentication method for remote access configured as RADIUS.

```
switch# config t
switch(config)# aaa authentication login radius telnet
```

The following example shows the authentication method for console login configured as RADIUS.

```
switch(config)# aaa authentication login radius console
```

The following example shows the local authentication method configured as the authentication method for remote access.

```
switch(config)# aaa authentication login local telnet
```

The following example shows no authentication method configured for console login.

```
switch(config)# aaa authentication login none console
```

Related Commands	Command	Description
	show authentication	Displays the configured authentication methods.

arp

To disable the Address Resolution Protocol (ARP) for the switch, use the **no arp** command.

no arp *hostname*

Syntax Description

hostname	Name of the host. Maximum length is 20 characters.

Defaults

Enabled.

Command Modes

Configuration mode.

Command History

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

Usage Guidelines

None.

Examples

The following example disables the Address Resolution Protocol configured for the host with the IP address 10.1.1.1.

```
switch(config)# no arp 10.1.1.1
switch(config)#
```

Related Commands

Command	Description
show arp	Displays the ARP table.
no arp	Removes an ARP entry from the ARP table.
clear arp	Deletes a specific entry or all entries from the ARP table.

attach module

To connect to a specific module, use the **attach module** command in EXEC mode. To disconnect, use the **exit** command at the module-number# prompt, or type **$.** to forcibly abort the attach session.

attach module *slot-number*

Syntax Description		
	slot-number	Specifies slot number of the module you want to connect to. Slot numbers range from 1 to 9 for Cisco MDS 9509 switches.

Command Modes   EXEC.

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

Usage Guidelines   You can use the **attach module** command to view the standby supervisor module information, but you cannot configure the standby supervisor module using this command.

You can also use the **attach module** command on the switching module portion of the Cisco MDS 9216 supervisor module, which resides in slot 1 of this two-slot switch.

Examples   The following example connects to the module in slot 2. Note that after you connect to the image on the module using the **attach module** command, the prompt changes to module-number#.

```
switch# attach module 1
Attaching to module 1 ...
To exit type 'exit', to abort type '$.'
module-1# exit
switch#
```

Related Commands

Command	Description
show module	Displays the status of a module.

■   attach module