**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. 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*.

- aaa accounting
- aaa authentication
- arp
- attach module

# aaa accounting

To set the size of the local accounting log file, use **aaa accounting logsize** command.

**aaa accounting logsize** *integer* **method local | radius**

**Syntax Description**

| aaa accounting | Sets the size of the log file on the local disk. |
|---|---|
| logsize | Configures Local Accounting Log File Size(in bytes) |
| *integer* | Size limit of the local accounting log file (0-300K) in bytes. |
| 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.

**Usage Guidelines**

None.

**Examples**

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

**Related Commands**

| Command | Description |
|---|---|
| show accounting config | Displays configured accounting parameters. |
| show accounting logsize | Displays configured log size. |
| show accounting log | Displays the entire log file. |

# aaa authentication

To configure the authentication method, use the aaa authentication command.

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

**Syntax Description**

| authentication | Sets the size of the log file on the local disk. |
|---|---|
| login | Configure authentication method |
| local | Local authentication method |
| console | Apply this authentication method for console logins |
| telnet | Apply this 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.

**Usage Guidelines**

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

**Examples**

```
switch# config t
switch(config)# aaa authentication login radius telnet
switch(config)#
switch(config)# aaa authentication login radius console
switch(config)#
switch(config)# aaa authentication login local telnet
switch(config)# aaa authentication login none console
```

**Related Commands**

| Command | Description |
|---|---|
| show authentication | Displays the configured authentication methods |

# arp

To configure the Address Resolution Protocol (ARP) for the switch, use the **arp** command.

> **arp** *hostname*

**no** form of this command disables the protocol.

**Syntax Description**

| arp | Configure the Address Resolution Protocol (ARP). |
|-----|--------------------------------------------------|
| *hostname* | Hostname (Max Size - 20) |

**Defaults**  Enabled

**Command Modes**  Available in all command modes.

**Usage Guidelines**  None.

**Examples**
```
switch# arp host1
arp configured for host1
switch#
```

**Related Commands**

| Command | Description |
|---------|-------------|
| **show arp** | Display the ARP table |
| **no arp** | Remove an ARP entry from the ARP table |
| **clear arp** | Delete a specific entry or all entries from the ARP table |

# attach module

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

**attach module** *module-number*

| | |
|---|---|
| **Syntax Description** | *module-number*  Specifies slot number of the module you want to connect to. Slot numbers range from 1 to 13 for Cisco 9500 Series switches. |

**Defaults**          None

**Command Modes**     EXEC

**Usage Guidelines**   You can use the attach module command to view the standby supervisor module information, but you can not 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 on slot 1 of this 2-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-##

```
switch# attach module 2
Attaching to module 2 ...
To exit type 'exit', to abort type '$.'
module-2# exit
switch#
```

**Related Commands**

| Command | Description |
|---|---|
| **show module** | Shows the status of a module. |