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K 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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kernel core

Use the **kernel core** command to generate a core dump for each module. Use the **no** form of this command to negate the command or revert to its factory

kernel core limit *number* | **module slot** (**level all** | **header** | **kernel** | **ram** | **used-ram**) / **target** *ipaddress*

no kernel core limit | **module slot** / **target ipaddress**

Syntax Description	limit	Limits the number of modules for which the core is generated.
	<i>number</i>	Specifies the number of modules for core generation
	module	Configures the module requiring the core generation.
	<i>slot</i>	Specifies the slot number of the module.
	level	Specifies the core dump level for the selected module.
	all	Dumps all the memory (required 1G of space)
	header	Dumps kernel header only.
	kernel	Dumps all kernel memory pages.
	ram	Dumps all the RAM pages.
	used-ram	Dumps all the used ram pages.
	target	Configures the external server on the same physical LAN.
	<i>ipaddress</i>	Specifies the IP address of the external server.

Defaults Disabled.

Command Modes Configuration mode.

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

Usage Guidelines

Examples The following example limits core generation to two modules.

```
sw5(config)# kernel core limit 2
succeeded
```

The following example configures module 5 to generate cores.

```
sw5(config)# kernel core module 5
succeeded
```

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The following example configures module 5 to generate only header-level cores.

```
sw5(config)# kernel core module 5 level header
succeeded
```

The following example configures the external server.

```
sw5(config)# kernel core target 10.50.5.5
succeeded
```

Related Commands

Command	Description
show kernel	Displays configured kernel core settings.
show running-config	Displays all switch configurations saved to PSS.

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