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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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keepalive

To configure the message keepalive interval for the IKE protocol, use the **keepalive** command in IKE configuration submode. To revert to the default, use the **no** form of the command.

keepalive *seconds*

no keepalive [*seconds*]

Syntax Description	<i>seconds</i>	Specifies the number of seconds for the keepalive interval. The range is 120 to 86400.
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Defaults	3600 seconds or 1 hour.
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Command Modes	IKE configuration submode.
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Command History	Release	Modification
	2.0(1b)	This command was introduced.

Usage Guidelines	The keepalive interface only applies to IKE version 2 tunnels. To use this command, the IKE protocol must be enabled using the crypto ike enable command.
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Examples	The following example shows how to configure the keepalive interval.
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```
switch# config terminal
switch(config)# crypto ike domain ipsec
switch(config-ike-ipsec)# keepalive 7200
```

Related Commands	Command	Description
	crypto ike domain ipsec	Enters IKE configuration mode.
	crypto ike enable	Enables the IKE protocol.
	show crypto ike domain ipsec	Displays IKE information for the IPsec domain.

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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 {force | level {all | header | kernel | ram | used-ram} |
target ipaddress}
```

```
no kernel core {limit number | module slot {force | level {all | header | kernel | ram | used-ram}
| target ipaddress}
```

Syntax Description	limit number	Limits the number of modules for which the core is generated. The range is 1 to 6.
	module slot	Configures the module requiring the core generation.
	force	Forces a module to dump kernel core.
	level	Specifies the core dump level for the selected module.
	all	Dumps all the memory (requires 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 ipaddress	Configures the external server IP address on the same physical LAN.

Defaults Disabled.

Command Modes Configuration mode.

Command History	Release	Modification
	1.1(1)	This command was introduced.

Usage Guidelines Core dumps performed on the supervisor module can lead to packet loss, even in a dual supervisor configuration.

Examples The following example limits core generation to two modules.

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

The following example configures module 5 to generate cores.

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

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

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

The following example configures the external server.

```
switch(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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key

To configure the preshared key for the IKE protocol, use the **key** command in IKE configuration submode. To revert to the default, use the **no** form of the command.

key *key-id* **address** *ip-address*

no key *key-id* **address** *ip-address*

Syntax	Description
<i>key-id</i>	Specifies the ID for the preshared key. Maximum length is 128 characters.
address <i>ip-address</i>	Specifies the peer IP address. The format is <i>A.B.C.D</i> .

Defaults
None.

Command Modes
IKE configuration submode.

Command History	Release	Modification
	2.0(1b)	This command was introduced.

Usage Guidelines
To use this command, the IKE protocol must be enabled using the crypto ike enable command.

Examples
The following example shows how to configure the key.
<pre>switch# config terminal switch(config)# crypto ike domain ipsec switch(config-ike-ipsec)# key ctct address 10.10.100.231</pre>

Related Commands	Command	Description
	crypto ike domain ipsec	Enters IKE configuration mode.
	crypto ike enable	Enables the IKE protocol.
	show crypto ike domain ipsec	Displays IKE information for the IPsec domain.

■ key

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