



Cisco MDS 9000 Family ASM Configuration Note

Release Date: March 3, 2005

Text Part Number: 78-16983-01

This document describes how to configure the required image boot variable for the Cisco MDS 9000 Family 32-port Fibre Channel Advanced Services Module (ASM) the using the CLI. To configure your ASM, you must download a software image to your switch and configure an image boot variable using the CLI. You can specify the virtualization image for the ASM using the ASM-SFN image boot variable for VERITAS Storage Foundation for Networks (VSFN) or the SSI image boot variable for normal Fibre Channel switching.

Configuring the ASM-SFN Image Boot Variable for VSFN

To configure the ASM-SFN image boot variable for VSFN, follow these steps:

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- Step 1** Log into the switch through the console port, an SSH session, or a Telnet session.
- Step 2** Issue the **dir bootflash:** command to verify that the ASM-SFN software image file corresponding to your Cisco MDS SAN-OS release is present on the active supervisor. For example, if your switch is running Cisco MDS SAN-OS Release 2.0(4), you must have m9000-ek9-asm-sfn-mz.2.0.4.bin in the bootflash: directory on the active supervisor. You can find the ASM-SFN images at the following URL:
<http://www.cisco.com/cgi-bin/tablebuild.pl/mds9000-asm-3des>
- Step 3** If necessary, download the appropriate ASM-SFN software image file to your FTP server and copy it from an FTP server to the bootflash: directory in the active supervisor module:
- ```
switch# copy ftp://10.1.7.2/m9000-ek9-asm-sfn-mz.2.0.4.bin
bootflash:m9000-ek9-asm-sfn-mz.2.0.4.bin
```
- Step 4** Specify the ASM-SFN image to be used and save to the startup configuration.
- ```
switch# config terminal
switch(config)# boot asm-sfn bootflash:m9000-ek9-asm-sfn-mz.2.0.4.bin module 4
switch(config)# exit
switch# copy running-config startup-config
```

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Step 5 Reload the ASM to load the new image. The **reload** command power cycles the ASM.

```
switch# reload module 4
reloading module 4 ...
```

Configuring the SSI Boot Image Variable for Fibre Channel Switching

Cisco MDS SAN-OS Release 2.0(2b) through Release 2.1(1) support setting the SSI image boot variable for Fibre Channel switching on the ASM. To configure the SSI image boot variable, follow these steps:

Step 1 Log into the switch through the console port, an SSH session, or a Telnet session.

Step 2 Issue the **dir bootflash:** command to verify that the SSI software image file corresponding to your Cisco MDS SAN-OS release is present on the active supervisor module. For example, if your switch is running Cisco MDS SAN-OS Release 2.0(4), you must have m9000-ek9-ssi-mz.2.0.4.bin in the bootflash: directory on the active supervisor module. You can find the SSI images at the following URL:

<http://www.cisco.com/cgi-bin/tablebuild.pl/mds9000-ssi-3des>

Step 3 If necessary, download the appropriate SSI software image file to your FTP server and copy it from an FTP server to the bootflash: directory on the active supervisor module:

```
switch# copy ftp://10.1.7.2/m9000-ek9-ssi-mz.2.0.4.bin
bootflash:m9000-ek9-ssi-mz.2.0.4.bin
```

Step 4 Specify the ASM image to be used and save to the startup configuration.

```
switch# config terminal
switch(config)# boot ssi bootflash:m9000-ek9-ssi-mz.2.0.4.bin module 4
switch(config)# exit
switch# copy running-config startup-config
```

Step 5 Reload the ASM to load the new image. The **reload** command power cycles the ASM.

```
switch# reload module 4
reloading module 4 ...
```

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