

Cisco MDS 9000 Family SSM Configuration Note

Release Date: August 15, 2006

Text Part Number: 78-16982-04

This document describes how to install the boot image for the Cisco MDS 9000 Family 32-port Fibre Channel Storage Services Module (SSM). The SSM supports normal Fibre Channel switching and Intelligent Storage Services. To use Fibre Channel switching and Intelligent Storage Services, you must install a boot image on the SSM using the CLI.



Note

As of Cisco MDS SAN-OS Release 2.1(2), the SSM initializes in Fibre Channel switching mode and you do not need to perform the SSI boot image installation unless you want to use Intelligent Storage Services.

Installing the SSI Image

To install the SSI image, 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 or, as of Cisco SAN-OS Release 2.1(2), the **dir modflash://slot-1/** 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 SAN-OS Release 2.1(2), you must have m9000-ek9-ssi-mz.2.1.2.bin in modflash: on the SSM. You can find the SSI images at the following URL:
- <http://www.cisco.com/cgi-bin/tablebuild.pl/mds9000-ssi-3des>
- Step 3** If the file is not present in bootflash: or the modflash:, follow these steps:
- Issue the **dir bootflash:** command or, as of Cisco SAN-OS Release 2.1(2), the **dir modflash://slot-1/** command to ensure that there is enough free space for the SSI image file. If necessary, issue the **delete bootflash:filename** or **dir modflash://slot-1/filename** command to remove files.



Corporate Headquarters:

Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Copyright © 2004 - 2006 Cisco Systems, Inc. All rights reserved.

Send documentation comments to mdsfeedback-doc@cisco.com

- b. Download the appropriate SSI software image file to your FTP server and copy it from an FTP server to bootflash: on the active supervisor module or, as of Cisco SAN-OS Release 2.1(2), to modflash: on the SSM:

```
switch# copy ftp://10.1.7.2/m9000-ek9-ssi-mz.2.1.1b.bin
bootflash:m9000-ek9-ssi-mz.2.1.1b.bin
```

or

```
switch# copy ftp://10.1.7.2/m9000-ek9-ssi-mz.2.1.2.bin
modflash://4-1/m9000-ek9-ssi-mz.2.1.2.bin
```

Step 4 Set the SSI boot variable.

```
switch# config t
switch(config)# boot ssi bootflash:m9000-ek9-ssi-mz.2.1.1b.bin module 4
switch(config)# exit
```

or

```
switch# config t
switch(config)# boot ssi modflash://4-1/m9000-ek9-ssi-mz.2.1.1b.bin module 4
switch(config)# exit
```

Step 5 Reload the SSM to install the SSI image.

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

Step 6 Issue the **show module** command to verify the status of the SSM.

```
switch# show module 4
```

Mod	Ports	Module-Type	Model	Status
4	32	Storage Services Module	DS-X9032-SSM	ok
...				
Mod	Application Image Description		Application Image Version	
4	SSI linecard image		2.1(2)	
...				

CCVP, the Cisco logo, and the Cisco Square Bridge logo are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, iQuick Study, LightStream, Linksys, MeetingPlace, MGX, Networking Academy, Network Registrar, Packet, PIX, ProConnect, ScriptShare, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0705R)

Cisco MDS 9000 Family SSM Configuration Note

Copyright © 2004–2006 Cisco Systems, Inc. All rights reserved.