



Cisco SFS 7012 InfiniBand Server Switch

Release Notes for Cisco Release 4.1 (1.1.11)

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This document describes the caveats and limitations for the Cisco SFS 7012. Use this document in conjunction with documents listed in the [“Related Documentation”](#) section on page 13.

Contents

This document includes the following sections:

- [Introduction, page 1](#)
- [Changes, page 2](#)
- [System Requirements, page 2](#)
- [Upgrade Notes, page 3](#)
- [Caveats, page 7](#)
- [Related Documentation, page 13](#)

Introduction

The purpose of this document is to provide a description of Release 4.1 of the SFS 7012.

The SFS 7012 is modular InfiniBand (IB) switching system used for creating large, single-system grid/cluster server fabrics, or as a building block for larger fabrics.

Refer to the documents listed in the [“Related Documentation”](#) section on page 13.



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Changes

- Mellanox firmware version 1.0.0 rc8 for Anafa-II is now included.
- Brand checking will now be performed during firmware updates. The update will be disallowed if the brand check does not succeed.
- Security enhancements:
 - Authentication is now present at all user interfaces, including web, telnet/ssh, and serial console.
- For security purposes, the user interface sessions are equipped with idle timeouts. The idle timeouts are independent for the GUI and CLI interfaces. They can be managed by the user either with the CLI commands `idleTimeoutGet` and `idleTimeoutSet` or through the GUI.
- Added the CLI command `userAdd` to allow multiple user accounts to be created.
- Added the CLI command `userRem` to allow user accounts to be removed.
- Added the CLI command `userListShow` to allow the list of user accounts to be displayed.
- Added the lightweight directory access protocol (LDAP) configuration feature to allow the user to specify that user authentication should take place on an LDAP server rather than locally.
- The user names and passwords have been customized to `admin/admin` and `super/super`.
- The `ismChassisSetEnable` command now affects leaf module cable ports only.

System Requirements

This section describes the system requirements for the SFS 7012.

[Table 1](#) lists the hardware supported on the SFS 7012.

Table 1 SFS 7012 Supported Hardware Modules

Component	Part Number	Description	Applicable Products
SFS 7012 InfiniBand Server Switch 144 Port Chassis	74-4314-02	Cisco SFS 7012	SFS 7012 only
Switch Fabric Module - With Management	74-4319-01	SFS 7012/7024 managed switch fabric module	SFS 7012 and Cisco SFS 7024™ only
Switch Fabric DDR Module - With Management	74-4814-01	SFS 7012/7024 managed, DDR switch fabric module	SFS 7012 and Cisco SFS 7024™ only
Switch Fabric Module - No Management	74-4318-01	SFS 7012/7024 unmanaged switch fabric module	SFS 7012 and SFS 7024 only

Table 1 SFS 7012 Supported Hardware Modules

Component	Part Number	Description	Applicable Products
Switch Fabric DDR Module - No Management	74-4813-01	SFS 7012/7024 unmanaged, DDR switch fabric module	SFS 7012 and SFS 7024 only
Switch Fabric Module - Blank Panel	74-4320-02	SFS 7012/7024 switch fabric module blank panel	SFS 7012 and SFS 7024 only
InfiniBand 4X 12-Port Line Card	74-4316-01	SFS 7012/7024 InfiniBand 4X 12-Port Line Card	SFS 7012 and SFS 7024 only
InfiniBand 4X, DDR 12-Port Line Card	74-4815-01	SFS 7012/7024 InfiniBand 4X, DDR 12-Port Line Card	SFS 7012 and SFS 7024 only
Line Card Blank Panel	74-4317-02	SFS 7012/7024 Line Card blank panel	SFS 7012 and SFS 7024 only
Power Supply	74-4321-02	SFS 7012/7024 power supply	SFS 7012 and SFS 7024 only
Power Supply Blank Panel	74-4322-02	SFS 7012/7024 power supply blank panel	SFS 7012 and SFS 7024 only
Fan Tray	74-4323-02	SFS 7012/7024 fan tray	SFS 7012 and SFS 7024 only

Upgrade Notes

Upgrading from 3.4.0.11.3

**Note**

Connect a serial console and verify that it is operational before beginning the upgrade.

**Note**

It will take approximately 45 minutes to upgrade a fully-loaded SFS 7012 chassis or SFS 7024 hemisphere.

**Note**

During the upgrade the system will be unavailable.

**Note**

The Chassis Viewer GUI may be accessible during the upgrade but the leaf and spine card icons will be grayed out until the upgrade is complete.

**Note**

During the upgrade the serial console will display hex-dump messages as the switch chips are being upgraded. These are not error messages.

**Note**

Make certain that the bootrom is version 3.3.0.0.12 or greater before proceeding. To update the bootrom, contact Technical Support.

**Note**

Make certain to upgrade firmware using the Chassis Viewer GUI. Do not use the CLI.

To upgrade firmware in a dual-managed spine environment, do the following:

- Step 1** From the chassis menu of the Chassis Viewer GUI select **Maintenance**, then **Firmware Update**. The Firmware Update screen is displayed.
- Step 2** In the **Select Target Slot** column, select the spine modules to be updated.
- Step 3** In the **Image to Overwrite** column, make certain the version is 4.1.1.1.11. If it is not, in the **Firmware Update Package:** text box, enter the path to the 4.1.1.1.11 firmware file. If the path is not known, the user can use the **Browse...** button to locate it.
- Step 4** In the **Boot?** column select the applicable spine modules.
- Step 5** Click **Update**. Following a successful update, reboot the switch.

Following these steps will prevent the chassis from getting into a state where a redundant management failover from one managed spine to the other causes reloading of Anafa-II chips (see "Reboot Process - Reloading Anafa-II Chips" below).

**Note**

Due to the fact that 3.4.0.11.3 is the running image prior to an upgrade, the user may see evidence of existing 3.4 issues during the upgrade procedure. Some of the messages below may be seen and can be ignored while the system shuts down and boots up to 4.1:

Caveat 1780:

```
A|2006-11-29 23:42:02.980U: Thread "startup" (0x87dbf700) boot: I9K t3 Firmware Booting
Version: 3.4.0.11.3
A|2006-11-29 23:42:02.980U: Thread "startup" (0x87dbf700) boot: Memory: Physical:
0x8000000 Available: 0x8000000 Reserved: 0x0
A|2006-11-29 23:42:02.980U: Thread "startup" (0x87dbf700) boot: Reboot cause (255): Power
Failure (1).
```

Caveat 1791:

```
W|2006-11-29 11:45:19.347S: Thread "cme" (0x87878a30) Osa: ADM1024 Error: device 21
reports voltage of 0.000, target range is
1.457V - 1.643V [B1.55V]
```

Caveat 2002:

```
ffs ERROR: ffs.c:314 : ffs file header sanity check failed max file size test
(4294967295 > 131008)
ffs ERROR: ffs.c:314 : ffs file header sanity check failed max file size test
(4294967295 > 131008)
ffs ERROR: ffs.c:314 : ffs file header sanity check failed max file size test
(4294967295 > 131008)
```

Mounted flash file system on device -rfa1. (size=2097152 bytes)

Caveat 2004:

```
Info, update of all IDB+ boot image data completed successfully.
E|2007-09-13 13:59:50.280S: Thread "CmuRedCtrl" (0x8786a3b0)
CmuRed: cmuRed_cfgIfProcessNvmOperation: Error 0x7b000c, slave IDBSET failed for
iouApi:iouApi:iouJobSlotCardFirmwareControl.
E|2007-09-13 13:59:50.280S: Thread "CmuRedCtrl" (0x8786a3b0)
CmuRed: cmuRed_cfgIfProcCfgChanges: Error 0x7b000c, Failed to process NVM sync operation
on SLAVE.
A|2007-09-13 13:59:50.280S: Thread "CmuRedCtrl" (0x8786a3b0)
CmuRed: cmuRed_syncClient: Error 0x7b000c, state machine failure while processing
synchronization message.
```

Reboot Process - Reloading Anafa-II Chips

The upgrade from 3.4 to 4.1 includes an upgrade of Mellanox Anafa-II firmware from version 0.8.6 to 1.0.0. In order to effect this upgrade, the master spine needs to update the EEPROMs for each Anafa-II chip in the chassis of the 7012. Each leaf card in the chassis contains a single Anafa-II chip, and each spine card in the chassis contains two Anafa-II chips. This means that a fully-loaded 7012 has 18 Anafa-II chips in total. The Anafa-II chips are reloaded in sequence and each one takes approximately 2.5 minutes to complete. Therefore, the 7012 may not become operational for approximately 45 minutes. When the final load is completed, a message is displayed on the serial console indicating the count of online devices (spines, leafs, etc.). Additionally, all user interfaces (i.e. web, telnet) should become operational at this time.

Enabling User Names and Passwords

In order to enable the customized user names and passwords, the user must perform the following steps if upgrading from a previous release:

-
- Step 1** After the initial boot to 4.1.1.1.11, log into the command line interface (CLI) with the user name admin and password adminpass.
- Step 2** Use the CLI command `userAdd` to add the username and password `super/super` with the role of admin:
- ```
userAdd admin super super
```
- Step 3** Use the CLI command `passwd` to change the password of user admin to admin:
- Enter adminpass as the current password.
  - Enter admin as the new password.

New systems delivered with 4.1.1.1.11 are equipped with user names and passwords of `super/super` (with a role of admin) and `admin/admin` (with a role of operator). Due to the way that the 3.4.0.11.3 code stored configuration information about the default users and roles, systems delivered with 4.1.1.1.11 will have differences in the roles of the default users as follows:

| New System |          |          |
|------------|----------|----------|
| User       | Password | Role     |
| super      | super    | admin    |
| admin      | admin    | operator |

| Upgraded System |          |          |
|-----------------|----------|----------|
| User            | Password | Role     |
| super           | super    | admin    |
| admin           | admin    | admin    |
| operator        | operpass | operator |



**Note**

In the tables above, a system that was upgraded from 3.4.0.11.3 but had a `factory` command issued while running 4.1.1.1.11 will be considered a new system.

**Step 4**

If the system contains a slave spine, from the master spine console reboot the slave using the `reboot -s` command. This ensures the new user name and password information will be stored on the slave.

## Upgrading from Releases prior to 3.4.0.11.3

Contact Technical Support.

# Caveats

This section lists the caveats and corrected caveats for this release.

## Resolved Caveats

- 1725  
**Symptom:** SFS 7012 chassis firmware should check the firmware type before upgrading.
- 1732  
**Symptom:** Node description is not saved when moving leafs and spines between different slots and/or chassis
- 1751  
**Symptom:** During a reboot on the slave spine, the timestamps used for logging are not consistent with the System Time setting.
- 1753  
**Symptom:** The chassis becomes unstable after upgrading the firmware of the slave spine from 3.4.0.8.2(2) to 3.4.0.10.4(1).
- 1754  
**Symptom:** Occasionally, installed power supplies and back plane descriptions show a status of "Not Present" and a part number of "Value not set" within Chassis Viewer. By default the field values are initialized by the SPINE the first time that the spine is installed in a chassis. The values reflect the state of the power supplies by the spine at that time.
- 1760  
**Symptom:** During idle time, NTP client error messages are displayed on the master spine serial console.
- 1779  
**Symptom:** Immediately after executing the "reboot all" command, the serial console log of the master spine displays many Alarm (A), Error (E) and Warning (W) messages.
- 1780  
**Symptom:** After executing the command "reboot all" on the master spine, a few alarm (A) messages are displayed on the serial console log of the slave spine. One of the messages appears to be incorrect, stating that a power failure is the cause of the reboot.
- 1781  
**Symptom:** After executing the "reboot all" command, a warning message is displayed on the serial console of the master spine with a "TIME NOW" string.
- 1782  
**Symptom:** During a reboot, fan, power supply and other worker thread(s) warning messages are displayed.
- 1783  
**Symptom:** Error messages are occasionally displayed when executing the command "ismChassisSetEnable 1".

- 1784

**Symptom:** After executing the CLI command `ismChassisSetEnable` via the serial console, many eeprom messages are displayed on the master spine (some on the slave spine as well) following a reboot. The result of all of these messages is that the reboot of the system takes longer than usual.

- 1785

**Symptom:** When issuing the specific command `reboot now -m -n`, voltage errors are displayed on the master spine.

- 1790

**Symptom:** When using the command “`ismChassisSetSpeed`”, error messages are occasionally displayed when the 7012 port speed is set to 1, 2 and 3. Following a reboot, the links come up as configured.

- 1796

**Symptom:** Setting the chassis IP address with the command “`setChassisIpAddr -h 172.29.239.244 -m 255.255.252.0`” returns mixed error and success messages on the RS232 console. However, when the chassis is queried with “`showChassisIpAddr`” the new updated IP address is displayed correctly.

Setting the default route with the command “`setDefaultRoute -h 172.29.236.1`” an error is displayed on the RS232 console. Additionally, the CLI prompt is not displayed. The user must press “Enter” to display the prompt.

- 1801

**Symptom:** All SFS 7024 and 7012 power supplies have labels with the part number 74-4321-02, however, the CLI and GUI report part number 74-4321-01.

- 1803

**Symptom:** During a master spine reboot, “power supply offline” messages are displayed on the master spine serial console log.

- 1936

**Symptom:** With less than the required number of power supplies, the chassis becomes unstable.

- 2002

**Symptom:** If using a bootrom older than 4.1.1.11 (e.g. 3.4.0.11.3) with the 4.1.1.11 firmware, during a reboot the error message “ffs file header sanity check failed” is displayed.

- 2004

**Symptom:** Error messages are displayed on the console of the slave spine module when attempting to switch boot images while running 3.4 code.

- 2014

**Symptom:** When upgrading from 3.4.0.11.3 to 4.1.1.11 error messages are occasionally displayed when 3.4.0.11.3 is shutting down.

- 2016

**Symptom:** Upgrade to 4.1.1.1.2 failed. Bulk fault message `W|2007/09/26 10:57:16.170U: Thread "tSlot" (0x87d500c0) Osa: Spine 1 reported Bulk Fault, CLOCK_LATCHN=1 Latch=0x04 received.`

- 2031

**Symptom:** The CLI command `fwListFiles` provides no useful information.

- Miscellaneous

**Symptom:** When hot-swapping spine and leaf modules, the master spine may temporarily report U31 access errors against the module that was just hot-swapped. The U31 device is an I2C switch on the inserted module providing access to the remaining I2C devices on the module. The management software normally recovers from these errors without any additional user interaction.

## Open Caveats

- 1958

**Symptom:** Symbol errors on inter-switch link (ISL) while port is in a down state. ISL port L07S4B consistently reports a symbol errors count of 65535. Even after clearing the counter, the symbol errors count eventually returns to 65535.

- **Workaround:** None.

- 2007

**Symptom:** If a web session times out and the web authentication dialog box appears, by clicking on the **Cancel** button a user will be able to access the GUI without entering a valid userid/password.

- **Workaround:** Use the default value of 0 for the web authentication timeout and remember to close the browser window if leaving the workstation for a period of time.

- 2008

**Symptom:** SDR spine modules may lose their IP addresses when downgrading from 4.1.1.11 to 3.4.0.11.3.

- **Workaround:** From the boot prompt, use the `spine ip` command to set the IP address for each spine to the correct value.

- 2012

**Symptom:** Unmanaged spine modules may become unresponsive for up to 2 minutes when upgrading from 3.4.0.11.3 to 4.1.1.11. Sample log attached:

```
<Sep/17 02:30 pm> Osa: Spine 3 switch B stopped responding to
MADs, spine is being powered cycled to recover
<Sep/17 02:30 pm>W|2007/09/17 21:47:01.130U: Thread "tSlot"
(0x87d54020)
<Sep/17 02:30 pm> Osa: MAX7311: getPortValue failed port=0
loc=0x01034267 SPINE 3:HUB_PORT0 address=0x42 ra=0x8007fbf8
<Sep/17 02:30 pm>Devices online: leafs=6 spines=2 isMaster=1
SYS_MANAGER=1 initializing: leafs=0 spines=1
<Sep/17 02:30 pm>W|2007/09/17 21:47:01.750U: Thread "tChModWkr103"
(0x85acaf50)
<Sep/17 02:30 pm> TMS: CMS Warning: Info, slot 103 remove event
has been received!
<Sep/17 02:30 pm>W|2007/09/17 21:47:03.740U: Thread "tChModWkr103"
(0x85acaf50)
<Sep/17 02:30 pm> TMS: CMS Warning: Info, slot 103 reboot event
has been received!
<Sep/17 02:31 pm>Device 103, swId 1, System Image GUID =
0x0005AD096704232F
<Sep/17 02:31 pm>Device 103, swId 1, nodeGUID = 0x0005AD00060424D4
<Sep/17 02:31 pm>Device 103, swId 2, System Image GUID =
0x0005AD096704232F
<Sep/17 02:31 pm>Device 103, swId 2, nodeGUID = 0x0005AD10060424D4
<Sep/17 02:31 pm>Device 103 Model=SFS-7012/24-FM DDR
<Sep/17 02:31 pm>Device 103 (Spine 3) online
<Sep/17 02:31 pm>Devices online: leafs=6 spines=3 isMaster=1
```

```

SYS_MANAGER=1 initializing: leafs=0 spines=0
<Sep/17 02:31 pm>W|2007/09/17 21:47:23.600U: Thread "tSlot"
(0x87d54020)
<Sep/17 02:31 pm> Osa: Spine 3 switches A and B stopped
responding to MADs, spine is being powered cycled to recover
<Sep/17 02:31 pm>Devices online: leafs=6 spines=2 isMaster=1
SYS_MANAGER=1 initializing: leafs=0 spines=1
<Sep/17 02:31 pm>W|2007/09/17 21:47:23.740U: Thread "tChModWkr103"
(0x85acaf50)
<Sep/17 02:31 pm> TMS: CMS Warning: Info, slot 103 remove event
has been received!
<Sep/17 02:31 pm>W|2007/09/17 21:47:24.740U: Thread "tChModWkr103"
(0x85acaf50)
<Sep/17 02:31 pm> TMS: CMS Warning: Info, slot 103 reboot event
has been received!
<Sep/17 02:31 pm>Device 103, swId 1, System Image GUID =
0x0005AD096704232F
<Sep/17 02:31 pm>Device 103, swId 1, nodeGUID = 0x0005AD00060424D4
<Sep/17 02:31 pm>Device 103, swId 2, System Image GUID =
0x0005AD096704232F
<Sep/17 02:31 pm>Device 103, swId 2, nodeGUID = 0x0005AD10060424D4
<Sep/17 02:31 pm>Device 103 Model=SFS-7012/24-FM DDR
<Sep/17 02:31 pm>Device 103 (Spine 3) online
<Sep/17 02:31 pm>Devices online: leafs=6 spines=3 isMaster=1
SYS_MANAGER=1 initializing: leafs=0 spines=0
<Sep/17 02:43 pm>

```

– **Workaround:** None. After approximately 2 minutes the unmanaged spine will be online.

- 2036

**Symptom:** Updating firmware from 3.4.0.11.3 to 4.1.1.1.11 using the CLI does not work. Sample console output attached:

```

MasterSpine1-> fwUpdateChassis management
Updating Management Spines.
Ftp Server IP Address:[171.71.26.234]
Ftp username:[admin]
Ftp password:[admin]
File Directory:[3.4.0.11.3] 4.1.1.1.11
File name:[InfinIO9000.t3.pkg]
Save changes? [Y]
Updating InfinIO3000 in slot 101
ERROR: Firmware image is too large
ERROR: File transfer not complete
Failed to ftp File from Host
Firmware update not initiated
Updating InfinIO3000 in slot 102
ERROR: Firmware image is too large
ERROR: File transfer not complete
Failed to ftp File from Host
Firmware update not initiated
No cards found to update

```

– **Workaround:** Use the GUI to update from 3.4.0.11.3 to 4.1.1.1.11. Do not use the CLI.

- 2037

**Symptom:** After executing a CLI command that will cause the Anafa II switch chip to be reset following a reboot, a warning message similar to the following is displayed:

```

W| 39 11:09:11.780B: Thread "tSlot" (0x87d500e0) Osa: Spine 3 reported Bulk Fault,
CLOCK_LATCHN=1 Latch=0x04

```

In some cases this message may be accompanied by another message:

```
W|2007-10-30 11:41:53.810U: Thread "cme" (0x87881810) Osa: ADM1024 Error: device 103
reports voltage of Sensor Failure(-1), target range is 1.344V - 1.856V [B1.6V]
```

- **Workaround:** None. These messages can be ignored. The spine is fully functional after these messages appear.

- 2040

**Symptom:** After a 'fruInfo' or 'fruInfo 0' command is issued, a warning message is displayed:

```
WARNING: Device is not present in slot 0
```

- **Workaround:** None. This message can be ignored.

- 2041

**Symptom:** A managed spine with bootrom 3.4.0.3.2 and firmware 3.4.0.11.3 was inserted into a 7012 chassis/7024 hemisphere which had another managed spine in it. The spine with the 3.4.0.3.2 bootrom continuously rebooted itself.

- **Workaround:** Do not insert spines with 3.4.0.3.2 bootrom into a chassis with another managed spine. Update the bootrom on that spine to 3.4.0.11.3 while it is the only managed spine in a chassis. Once it has the 3.4.0.11.3 bootrom on it, it can be inserted into a chassis with another managed spine.

- 2043

**Symptom:** Following a Bulk Fault Warning (see open caveat 2037) the following message is seen in the log:

```
Voltage of sensor failure (-1) on device
```

- **Workaround:** This message can be ignored. The spine is fully functional after this message is displayed.

- 2047

**Symptom:** A managed spine was running 3.4.0.11.3 firmware and bootrom and was downgraded to bootrom 3.4.0.3.2. After booting up, that spine was moved into a chassis which had a master spine running 4.1 firmware and bootrom. The slave spine failed to boot. It would no longer boot up successfully even if it was moved to the chassis it had originally been in.

- **Workaround:** Do not downgrade spines to the 3.4.0.3.2 bootrom and do not insert spines with 3.4.0.3.2 into a chassis that has another managed spine.

- 2056

**Symptom:** When issued with a small negative timeout value, the CLI command `idleTimeoutSet` sets the timeout value to a large positive value rather than considering the value to be invalid.

- **Workaround:** Use only positive values as parameters for this command.

- 2058

**Symptom:** The user adds a new user name with the `userAdd` CLI command. The user then attempts to log into the chassis via Telnet or SSH with this new user name. The system responds with the message:

Please change your passwords now. Use Control C to exit or press 'Enter' to proceed.

- **Workaround:** To prevent this message from being displayed on subsequent logins without changing your password, press the **Enter** key, enter the current password at the (new) password: prompt, then enter it again at the confirm the new password: prompt.

- Miscellaneous

All components in the chassis should have the same Anafa-II firmware version as well as the same SFS 7012 embedded firmware version. Following is a SFS 7012/Anafa-II compatibility matrix:

**Table 2      Firmware Compatibility Matrix**

| SFS 7024 Firmware Version | Anafa-II Firmware Version |
|---------------------------|---------------------------|
| 3.1.0.0.x                 | 0.4.0                     |
| 3.2.0.0.12                | 0.8.3                     |
| 3.3.x                     | 0.8.4                     |
| 3.4.x                     | 0.8.6                     |
| 4.1.x                     | 1.0.0                     |

- Miscellaneous

The CLI command `ismChassisSetMtu` is used to toggle the maximum MTU size of the switch between 2,048 and 4,096. However, a maximum MTU size of 4,096 is not supported in the 4.1.1.1.x release. Therefore, this command should not be used.

- Miscellaneous

**Symptom:** After issuing a `setChassisIpAddr` command from the serial port, the user is prompted for a username and password.

- **Workaround:** Enter a valid user name and password.

- Miscellaneous

**Symptom:** CLI commands `setIbNodeDesc`, `setDefaultRoute`, `logClear`, `logConfigure` and `logResetToDefaults` are available to users with a role of operator.

- **Workaround:** None.

- Miscellaneous

**Symptom:** A user with the role of Operator can modify switch settings using the GUI.

- **Workaround:** None.

- Miscellaneous

**Symptom:** If the `ismChassisSetSpeed` command is used to set SDR spines or leaves to (1) SDR or (3) AutoNegotiate, there is an error message per port <port name> is not DDR capable instead of an error message per spine or leaf

- **Workaround:**None.

- Miscellaneous

**Symptom:** If the user clicks the **Refresh** button on the **IB Port Statistics** page while some leaf and/or spine modules are in the process of starting up, a console message similar to the following is displayed:

```
tHTTTPd icsIBStatMib:portXmitData not found index:1.101.12.3 ra=0x805ecc70
```

- **Workaround:** None.

- Miscellaneous

**Symptom:** When changing the OOB LAN Gateway IP address using either the Chassis Viewer GUI or CLI, a warning message similar to the following is displayed in the chassis log:

```
Thread "tCliConsole" (0x87dfef70) Osa: Failure deleting route 172.26.10.1
```

- **Workaround:** None The correct route will be available after the reboot.

- Miscellaneous

**Symptom:** User name information that is added with the `userAdd` command is not transferred from the master spine to the slave spine. Therefore, when a failover occurs and the former slave spine becomes the master spine, the information from the `userAdd` command is not available

- **Workaround:** After adding or modifying a user name or password, reboot the slave spine using the `reboot -s` command. Once the reboot is complete, the slave spine will have the updated user name and password information.

## Related Documentation

The documentation set for the SFS 7012 includes the following documents:

- *Regulatory Compliance and Safety Information for the Cisco Server Fabric Switches: 7000P, 7000D, 7008P, 7012, 7024, and 3012R*
- *Cisco SFS 7012 InfiniBand Server Switch Release Notes for Cisco Releases*
- *Cisco SFS 7012 InfiniBand Server Switch Hardware Users Guide*
- *Cisco SFS 7012 InfiniBand Server Switch Installation and Configuration Note*

## Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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