



# Release Notes for Cisco SFS 7012, Release 3.3

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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 4.

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## Introduction

The purpose of this document is to provide a description of Release 3.3 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 4.

## System Requirements

This section describes the system requirements for the SFS 7012.

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



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**Table 1 SFS 7012 Supported Hardware Modules**

<b>Component</b>	<b>Part Number</b>	<b>Description</b>	<b>Applicable Products</b>
SFS 7012 InfiniBand Server Switch 144 Port Chassis	74-4314-01	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 Module - No Management	74-4318-01	SFS 7012/7024 unmanaged switch fabric module	SFS 7012 and SFS 7024 only
Switch Fabric Module - Blank Panel	74-4320-01	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
Line Card Blank Panel	74-4317-01	SFS 7012/7024 Line Card blank panel	SFS 7012 and SFS 7024 only
Power Supply	74-4321-01	SFS 7012/7024 power supply	SFS 7012 and SFS 7024 only
Power Supply Blank Panel	74-4322-01	SFS 7012/7024 power supply blank panel	SFS 7012 and SFS 7024 only
Fan Tray	74-4323-01	SFS 7012/7024 fan tray	SFS 7012 and SFS 7024 only
Firmware		SFS 7012/7024 firmware	SFS 7012 and SFS 7024 only
bootROM		SFS 7012/7024 bootrom	SFS 7012 and SFS 7024 only

# Caveats

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

## Resolved Caveats

- 1546  
**Symptom:** Sensor error and failure messages found in log file.

## Open Caveats

- 105397  
**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.
  - **Workaround:** If the U31 errors do persist, remove and re-insert the affected module.
- Miscellaneous  
**Symptom:** Hot-swapping a managed spine with Anafa-II firmware different from the rest of the chassis will cause a disruptive reboot.



**Note** 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 Compatability Matrix*

<b>SFS 7024 Firware Version</b>	<b>Anafa-II Firmware Version</b>
3.1.0.0.x	0.4.0
3.2.0.0.12	0.8.3
3.3.x	0.8.4

- **Workaround:** Reboot each managed spine to make certain the firmware versions are the same throughout the chassis.

## Related Documentation

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

- *Regulatory Compliance and Safety Information for the Cisco SFS 7012 and SFS 7024*
- *Cisco SFS 7012 Release Notes for Cisco Releases*
- *Cisco SFS 7012 Hardware Users Guide*

## Obtaining Documentation

Cisco documentation and additional literature are available on Cisco.com. Cisco also provides several ways to obtain technical assistance and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

### Cisco.com

You can access the most current Cisco documentation at this URL:

<http://www.cisco.com/univercd/home/home.htm>

You can access the Cisco website at this URL:

<http://www.cisco.com>

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[http://www.cisco.com/public/countries\\_languages.shtml](http://www.cisco.com/public/countries_languages.shtml)

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### Note

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<http://tools.cisco.com/RPF/register/register.do>

## Submitting a Service Request

Using the online TAC Service Request Tool is the fastest way to open S3 and S4 service requests. (S3 and S4 service requests are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Service Request Tool automatically provides recommended solutions. If your issue is not resolved using the recommended resources, your service request will be assigned to a Cisco TAC engineer. The TAC Service Request Tool is located at this URL:

<http://www.cisco.com/techsupport/servicerequest>

For S1 or S2 service requests or if you do not have Internet access, contact the Cisco TAC by telephone. (S1 or S2 service requests are those in which your production network is down or severely degraded.) Cisco TAC engineers are assigned immediately to S1 and S2 service requests to help keep your business operations running smoothly.

To open a service request by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411 (Australia: 1 800 805 227)

EMEA: +32 2 704 55 55

USA: 1 800 553 2447

For a complete list of Cisco TAC contacts, go to this URL:

<http://www.cisco.com/techsupport/contacts>

## Definitions of Service Request Severity

To ensure that all service requests are reported in a standard format, Cisco has established severity definitions.

Severity 1 (S1)—Your network is “down,” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Severity 2 (S2)—Operation of an existing network is severely degraded, or significant aspects of your business operation are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

Severity 3 (S3)—Operational performance of your network is impaired, but most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

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- *iQ Magazine* is the quarterly publication from Cisco Systems designed to help growing companies learn how they can use technology to increase revenue, streamline their business, and expand services. The publication identifies the challenges facing these companies and the technologies to help solve them, using real-world case studies and business strategies to help readers make sound technology investment decisions. You can access iQ Magazine at this URL:

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- *Internet Protocol Journal* is a quarterly journal published by Cisco Systems for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the Internet Protocol Journal at this URL:

<http://www.cisco.com/ipj>

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