F⊟RTINET

High Performance Network Security

FortiBridge-S Release Notes

VERSION 4.4.0

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Wednesday, June 29, 2016

FortiBridge-S Release Notes version 4.4.0

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Change Log

Date	Change Description
2016-06-30	Version 4.4.0 release.

Introduction

This document provides upgrade instructions for FortiBridge-S version 4.4.0. Please review all sections in this document prior to upgrading your device.

This document includes the following sections:

Product Integration and Support

Upgrade Information

Resolved Issues

Known Issues

Supported Models

This guide covers the following FortiBridge-S models:

- FBG-3002S (short-range) and FBG-3002L (long-range) - provides two 1G/10G network segments.
- FBG-3004S (short-range) and FBG-3004L (long-range) - provides four 1G/10G network segments.
- FBG-3004SL (supports short-range and long-range) - provides four 1G/10G network segments.
- FBG-3041S (short-range) - provides one 40G network segment.
- FBG-3042S (short-range) - provides two 40G network segments.

The FortiBridge 2000-series models (FBG-2001, FBG-2001F, FBG-2002, FBG-2002F, and FBG-2002X) are only supported on software version 3.1 and earlier.

Transceivers

Fortinet ships the required transceivers with the FortiBridge-S product. You must use only these transceivers. Fortinet does not support any other transceiver models for this product.

The following table describes the supported transceivers:

Transceiver	Description
FTLX8571D3BCV	Finisar 1G/10G, Multimode, SFP+ Transceiver (short range)
FTLX1471D3BCV	Finisar 1G/10G, Single mode, SFP+ Transceiver (long range)
FTL410QE1C	Finisar 40G, Duplex QSFP+ Transceiver (short range)

The following table shows the type and quantity of transceivers required for each model:

> ⚠️ Caution: for each FortiBridge-S module, you must use the correct SR or LR transceivers as described in the table below.

FortiBridge-S Model	Transceive Type	Range and Mode	Quantity
FBG-3002S	FTLX8571D3BCV	SR, multimode	4
FBG-3002L	FTLX1471D3BCV	LR, single mode	4
FBG-3004S	FTLX8571D3BCV	SR, multimode	8
FBG-3004L	FTLX1471D3BCV	LR, single mode	4
FBG-3004SL	FTLX8571D3BCV	SR, multimode	4
	FTLX1471D3BCV	LR, single mode	4
FBG-3041S	FTL410QE1C	SR	2
FBG-3042S	FTL410QE1C	SR	4

Summary of Enhancements

The following is a list of enhancements in FortiBridge-S version 4.4.0:

- Support for Link Aggregation Groups (LAGs).

See FortiBridge-S Documentation for information about configuring LAGs.

Product Integration and Support

Web Browser Support

The following browser versions are supported:

- Google Chrome version 45

Other web browsers may function correctly, but are not supported by FortiBridge-S.

Upgrade Information

Upgrades

Firmware version 4.4.0 supports the 3000-series product family. There is no upgrade path to this release for any of the 2000-series FortiBridge products.

Use the FortiBridge-S GUI or CLI to upgrade from version 4.2.0 or 4.3.0 to 4.4.0. From version 4.1.0, upgrade to version 4.2.0, and then upgrade from 4.2.0 to 4.4.0.

See below for instructions to upgrade from version 4.0.0 to 4.1.0. Contact Fortinet support organization for assistance with this upgrade.

Firmware Upgrade Using the GUI

The FortiBridge-S GUI supports upgrade procedures starting with version 4.1.0:

1. Go to **System > Status**.
2. On the **System Information** widget, next to the **Firmware Version** field, click **Update**
3. The web browser will open a pop-up window for you to select the image file.
4. Click **OK** to start the upgrade.
5. The system displays the upgrade progress in the text field of the pop-up window. When the upgrade is complete, the system displays a message indicating the success of the upgrade.
6. On the **Unit Operation** widget, click the **reboot** button.
7. After the restart, log in and verify the firmware version on the **System Information** widget.

Firmware Upgrade Using the CLI

Use the following CLI commands to upgrade from 4.1.0 or later release:

1. Copy the latest release 4.4.0 firmware file to the /tftpboot directory of the TFTP server, or to a directory on the SCP server.
2. For a TFTP server, enter the following CLI command:
   ```
   execute restore image tftp <image_file_name> <tftp-server_ipv4> [force]
   ```
3. For an SCP server, enter the following CLI command:
   ```
   execute restore image scp <image_file_name> <remote_path> <ssh-server_ipv4> <username> [force]
   ```
4. When the upgrade is complete, enter the following CLI command:
   ```
   reboot
   ```

Downgrades

Firmware version 4.4.0 supports downgrade to releases 4.3.0 and 4.2.0.

Use the same procedure as "Firmware Upgrade Using the CLI", and add the **force** option at the end of the **restore** command.

Firmware Image Checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, https://support.fortinet.com. After logging in select ***Download > Firmware Image Checksums***, enter the image file name including the extension, and select ***Get Checksum Code***

Upgrading From Version 4.0.0 To 4.1.0

Version 4.1.0 supports a different format for image files compared to 4.0.0. Upgrading from version 4.0.0 requires two steps:

A. upgrade to the new file format.
B. upgrade to the 4.1.0 release.

A. Upgrade to the new file format

1. Copy the old-format firmware files and the matching 'update.desc' file to the /tftpboot directory of the TFTP server. These files are available to Fortinet support staff only, at the following location:
    http://172.30.71.240/images/misc/Old_file_format/
2. Enter the following CLI command:
    ```
    update <tftp server IP address>
    ```
3. When the upgrade is complete, you need to power-cycle the chassis.
    1. Enter the shutdown command: `execute shutdown`
    2. When the shutdown is completed, power on the unit.

B. Upgrade to the latest 4.1.0 build.

1. Enter the following command to set the FortiBridge-S CLI to use the 4.1.0 command set:
    ```
    fort_cli enable
    ```
    If the command is unknown, the CLI is already using the 4.1.0 command set (no additional action is required).
2. Copy the latest 4.1.0 firmware file to the /tftpboot directory of the TFTP server.
3. Enter the following CLI command:
    ```
    execute restore image tftp <image_file_name> <tftp-server_ipv4>
    ```
4. When the upgrade is complete, enter the following CLI command:
    ```
    reboot
    ```

Resolved Issues

The following issues have been resolved in version 4.4.0:

Defect ID	Description
	Occasionally, the tool tip for the management port fails to display the correct information. For example, sometimes the port speed is missing, and sometimes the tool tip displays an error message.
355119	The show command lists all of the available commands, but config probe setting is missing from the list.
355135	After performing an unset in config log syslogd setting, a subsequent get command displays no output.
355234	After performing an edit on one of the accprofile fields, a subsequent show command displays a new config system accprofile command.
	When you edit a ping or http probe, the system may stop sending the probe packets while it applies the configuration changes. If action_on_recovery is off, the system does not start sending the probes again, and the segment remains in Inline mode.

Known Issues

The following issues have been identified in version 4.4.0:

Defect ID	Description
	When using the web-based administration tool, downgrading from 4.4.0 to 4.3.0 or 4.2.0 completes successfully. However, downgrading from 4.3.0 to 4.2.0 or 4.1.0 fails. The workaround is to perform the downgrade from the CLI.

For inquires about a particular issue, please contact Customer Service & Support.