FortiBridge Release Notes

VERSION 4.2.0

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Change Log

Date	Change Description
2015-05-01	FortiBridge software version 4.1.0 release.
2015-05-05	Added two additional known issues.
2015-05-28	Updated the instructions for upgrade from release 4.0 to 4.1
2015-08-07	Version 4.1.1 release.
2015-10-01	Version 4.2.0 release.

Introduction

This document provides upgrade instructions and information about known issues with the FortiBridge 4.2.0 release. Please review all sections in this document prior to upgrading your device.

This document includes the following sections:

Product Integration and Support

Upgrade Information

Known Issues

Supported models

This guide covers the following FortiBridge 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-3041S (short-range) - provides one 40G network segment.

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 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 850nm Multimode Datacom SFP+ Transceiver (short range)
FTLX1471D3BCV	Finisar 1G/10G 10km Single mode Datacom SFP+ Transceiver (long range)
FTL410QE1C	Finisar 40G 100m Duplex QSFP+ Transceiver (short range)

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

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

FortiBridge 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

Summary of enhancements

The following is a list of enhancements in FortiBridge release 4.2.0:

- added probe command: **action_on_reboot**
- added probe command : **action_on_recovery**
- added support for **show** and **?** commands

See FortiBridge Documentation for additional FortiBridge v4.2.0 documentation.

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.

Upgrade Information

Upgrades

FortiBridge release 4.2.0 supports the 3000-series product family. There is no upgrade path to this release for any of the 2000-series FortiBridge products.

The FortiBridge GUI and CLI support upgrade procedures starting with release 4.1.0.

In addition, the CLI supports an upgrade path from release 4.0 to 4.1. Contact Fortinet support organization for assistance with this upgrade.

Firmware Upgrade Using the GUI

The FortiBridge GUI supports upgrade procedures starting with release 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

Upgrading from 4.0 to 4.1

Release 4.1 supports a different format for image files compared to 4.0. Upgrade from 4.0 requires two steps:

A. upgrade to the new file format.
B. upgrade to the latest 4.1 build.

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 build.

1. Enter the following command to ensure that the FortiBridge CLI is using the 4.1 command set:
   `forti_cli enable`
   If the command is unknown, the CLI is already using the 4.1 command set.
2. Copy the latest release 4.1 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`

Upgrading From 4.1

1. Copy the latest release 4.2 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

FortiBridge 4.2.0 supports downgrade to release 4.1.0

Use the same procedure as upgrade from 4.1, 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***.

Known Issues

The 4.2.0 release includes the following known issues.

Defect ID	Description
	You can configure the new probe settings (action_on_reboot and action_on_recovery) only from the CLI and not from the Admin GUI.
	In global system configuration (config system global), the **unset syncinterval** command causes a CLI error. As a workaround, set the NTP sync interval to its default value (set syncinterval 60).
	When you edit a ping or http probe, the system stops 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, but the segment remains in Inline mode.

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