

EFOS 3.13

Build Version 3.13.1.2 Release Notes

Release Date: 14 August 2024

Contents

1	Overview	2
2	Deliverables	2
3	New Features in EFOS 3.13.1.2	3
4	Items Not Included in Delivery	4
5	Platform Support	4
6	Known Limitations	4
7	Issues Fixed in EFOS 3.13.1.2	4
8	Known Issues in EFOS 3.13.1.2	4

1 Overview

EFOS 3.13.1.2 supports switching and routing for datacenter deployments.

2 Deliverables

Date of Delivery

EFOS release 3.13.1.2 delivered on August 14, 2024

Distribution Method

EFOS 3.13.1.2 distributed via the Broadcom Box site.

Items Included in Delivery

Following are the items included in this delivery:

- **FIPS Deliverables:**
 - EFOS-3.13.1.2_FIPS-mib-support.tar.bz2
 - EFOS-3.13.1.2_FIPS-mibs.tar.bz2
 - EFOS-3.13.1.2_FIPS.stk
 - onie-installer-x86_64
 - open_adk-EFOS-3.13.1.2_FIPS.tar.bz2
- **Non-FIPS Deliverables**
 - EFOS-3.13.1.2_mib-support.tar.bz2
 - EFOS-3.13.1.2_mibs.tar.bz2
 - EFOS-3.13.1.2.stk
 - onie-installer-x86_64
 - open_adk-EFOS-3.13.1.2.tar.bz2

3 New Features in EFOS 3.13.1.2

- Port Profile Enhancements
- Code transfer to include custom protocol port numbers
- OpenSSL Upgrade for non-FIPS.
- OpenSSH Upgrade
- Linux Kernel Upgrade
- Serviceability - Enhance NTP vendor code to log syslog messages using L7PROC_LOGF.
- Additional persistent log.
- SDK Upgrade.

4 Items Not Included in Delivery

The following items are specifically not included in this delivery and may be considered for future deliveries:

- Not Applicable

5 Platform Support

This release contains support for the following platforms:

- BES-53248

6 Known Limitations

- No known limitations

7 Issues Fixed in EFOS 3.13.1.2

- Enable command is added back, which elevates a user privilege from Guest to Admin.
- Support mapping of user defined groups on LDAP server with appropriate access level.

8 Known Issues in EFOS 3.13.1.2

FP-283596: ERR truncating integer value > 32 bits' pops up on the switch after 497 days or later.

Note: This is a known limitation with netsnmp on the standard MIB, as the MIB definition is defined as a 32-bit integer.

Internal Defect: AXM765 module has 2 versions. Occasionally, AXM765v1 doesn't get detected or come up during a reboot. Occasionally, AXM765v2 takes longer to come up on reboot or user may see a single link flap on reboot.

Workaround: For AXM765v1, User can reboot the device again or plug-out and plug-in the SFP. This is a known issue with the specific SFP. For AXM765v2, there is no need for a workaround, and it's seen only during reboot.

EFOS 3.13.1.2 Release Notes

Internal Defect: User is prompted to save config on reload even if there are no configuration changes, when using FCLF-8521-3 transceiver.

Workaround: None required. User can ignore the save option on reload, if there are no other configuration changes.

Internal Defect: EFOS does not provide configurability for the kex algorithm (sntrup761x25519-sha512@openssh.com). Also, this kex algorithm is available for SSH connections only with default config of kex algorithms.

Workaround: None. If kex algorithm support is required, do not modify the supported algorithms.

Internal Defect: Sometimes, EFOS switch prompts to save configuration during reload, even if there is no configuration changes.

Workaround: It is recommended to save the config even if there were no configuration changes done.

Internal Defect: User configured auto-negotiation/speed settings are not retained after save and reload for some 40G/100G ports.

Workaround: With the auto-detect/auto-config feature, the user configured settings are overridden after save/reload. By default, the auto-config settings should work. If user wants to override the value, the port must be re-configured after re-load.

Internal Defect: When copper SFPs are used with FIXED speeds, the remote port doesn't go down, even if the local port is admin shutdown.

Note: This is a limitation with only the Copper SFPs, when operating at FIXED speeds. when a port is put shutdown, Copper 1G/10G SFP in Fixed speed does not put the complete line down (This is the PHY on the copper SFP to partner and not System to Line, so it continued to send the pulses to the peer port) which caused the link up on other side.

Internal Defect: If a switch is downgraded from EFOS 3.7.x.x or later to 3.4.x.x and then upgraded again to 3.7.x.x/3.8.x.x, the switch might report an "image validation failure" on bootup and fails to boot.

Recovery: Use the ONIE installation procedure to install the software image. This procedure requires the ONIE installation package.

EFOS 3.13.1.2 Release Notes

Internal Defect: 40G port does not come UP when connected to a switch running old version of EFOS (3.11 or earlier).

Recovery: Upgrade the partner to EFOS 3.12 or later.

Note 1: Password Lockout feature is disabled by default from EFOS 3.8 onwards.

Note 2: Digital signing for image download is enabled by default from EFOS 3.4.4.4 onwards.