

# **EFOS 3.11.1.2**

## **Build Version 3.11.1.2 Release Notes**

Release Date: 11 August 2023

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## **1 Overview**

EFOS 3.11.1.2 supports switching and routing for datacenter deployments.

## **2 Deliverables**

### **Date of Delivery**

EFOS release 3.11.1.2 delivered on June 09, 2023

### **Distribution Method**

EFOS 3.11.1.2 distributed via the Broadcom Box site.

### **Items Included in Delivery**

Following are the items included in this delivery:

- **FIPS Deliverables:**
  - EFOS-3.11.1.2-FIPS-mib-support.tar.bz2
  - EFOS-3.11.1.2-FIPS-mibs.tar.bz2
  - EFOS-3.11.1.2-FIPS.stk
  - onie-installer-EFOS-3.11.1.2-FIPS
  - open\_adk-EFOS-3.11.1.2-FIPS.tar.bz2
- **Non-FIPS Deliverables**
  - EFOS-3.11.1.2-mib-support.tar.bz2
  - EFOS-3.11.1.2-mibs.tar.bz2
  - EFOS-3.11.1.2.stk
  - onie-installer-EFOS-3.11.1.2
  - open\_adk-EFOS-3.11.1.2.tar.bz2

### New Features in EFOS 3.11.1.2

- OpenSSL Upgraded to 3.x release for non-FIPS.
- Management ACL on Service Port.
- SDK Upgrade.
- LDAP Upgrade
- BMC 3.10 Upgrade

### Defect Fixes in 3.11.1.2

- **CS00012288276 FP-285194:** Receive Packets Discarded incremented.
- **FP-284143:** "Total Transmit Packets Discarded" needs to be changed to Total Transmit Packets discarded due to Collision.
- **FP-284358:** Observing more than 100% FAN duty cycle on BES-53248 switch having FSP/GW PSUs with Reverse Air flow.
- **FP-284289:** LDAP authentication is unsuccessful using SSL certificate when "enable-ssl" option enabled on DUT.
- **FP-284423:** File transfer failed when no password for FTP user.
- **FP-285430:** 25G ports connected to AFBR-725ADMZ transceivers are not coming UP on EFOS A2 units. Ports come UP on A1 units.
- **FP-285484:** NTP not working after migration from SNTP enabled build (3.9.0.2 or earlier) to NTP enabled build (3.10).
- **CS00012290084 FP-285177:** MTU packet size is not taking Bytes range from 9395 to 9398
- **FP-285091:** 100G ports failed to come up on reboot, with partner running older version of EFOS.
- **FP-285662:** EFOS - license file transfer is failing when filename is shorter and has dash and numbers

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- **FP-286099:** EFOS - BES switch crashes when a DHCPV6 client packet is received on a management interface
- **FP-286022 :** Migrating from EFOS 3.9 to EFOS 3.11 sets the HTTPS mode to enable when the HTTPS certificates are not installed

### 3 Items Not Included in Delivery

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

- Not Applicable

### 4 Platform Support

This release contains support for the following platforms:

- BES-53248

### 5 Known Limitations

- No known limitations

### 6 Known Issues in EFOS 3.11.1.2

**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 net-snmp 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.

**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

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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.

**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.