

EFOS 3.9

Build Version 3.9.0.2 Release Notes

Release Date: 28 February 2022

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1 Overview

EFOS 3.9.0.2 supports switching and routing for datacenter deployments.

2 Deliverables

Date of Delivery

EFOS release 3.9.0.2 delivered on 28 February 2022

Distribution Method

EFOS 3.9.0.2 distributed via the Broadcom Box site

Items included in delivery

Following are the items included in this delivery:

- FIPS Deliverables:
 - EFOS-3.9.0.2-FIPS-mib-support.tar.bz2
 - EFOS-3.9.0.2-FIPS-mibs.tar.bz2
 - EFOS-3.9.0.2-FIPS.stk
 - onie-installer-EFOS-3.9.0.2-FIPS
 - open_adk-EFOS-3.9.0.2-FIPS.tar.bz2
- Non-FIPS Deliverables
 - EFOS-3.9.0.2-mib-support.tar.bz2
 - EFOS-3.9.0.2-mibs.tar.bz2
 - EFOS-3.9.0.2.stk
 - onie-installer-EFOS-3.9.0.2
 - open_adk-EFOS-3.9.0.2.tar.bz2

New Features in EFOS 3.9.0.2

- CS00011298483: show interface to show counters from a "Show error" from BRCD
- FP-280765: Delete ssh keys without the necessity to enter passphrase
- FP-280951: "show ip ssh" command should indicate whether keys are encrypted in FIPS mode. When in FIPS mode, generating crypto keys should prompt user to encrypt keys
- FP-281955: Display BMC version in CLI command "show environment"

Defect Fixes in 3.9.0.2

- CS00012204533: Persistent logging across reboots. Severity of persistent logs is default to alert after reboot.
- Internal issue: "speed auto" command for 100G/40G high speed port does not set auto-negotiate.
- Internal issue: auto-negotiate is set when either "speed auto 100G full-duplex" or "speed auto 100G " command is run .
- CS00012211703: Occasionally some issues are seen with 40G SR and CR4 bring-up
- FP-280955: Executing crypto key encrypt write ecdsa passphrase "netapp1!" will not work and after the command is executed, hitting up-arrow key renders the serial console useless
- FP-281123: CLI Guide should be updated with the FIPS feedback from NetApp
- FP-282003: LACP PDUs are sent out with priority TAG
- FP-281884: Port not coming UP when connected using AFCT-725SMZ 25GBase-LR Transceiver
- FP-282102: Switch crashes when tried to load license via http in EFOS 3.8.0.2

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 3.9.0.2

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 in 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 cause the link up on other side.

Internal Defect: If a switch is downgraded from EFOS 3.7.x.x/3.8.x.x/3.9.x.x to 3.4.x.x and then upgraded again to 3.7.x.x/3.8.x.x/3.9.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: Password Lockout feature is disabled by default from EFOS 3.8 onwards.