Upgrade from Legacy EFOS versions to EFOS version 3.4.4.4 and later versions

Product(s)

BES-53248

Synopsis

EFOS 3.4.4.4 and subsequent releases contain additional security features to ensure the authenticity of the firmware before it can be used on a BES Switch. These security enhancements eliminate the possibility that a tampered version of EFOS firmware could be utilized on the BES Switch while also preventing EFOS versions which do not comply with the additional security features from being reloaded on the BES switch after the switch has been upgraded to EFOS 3.4.4.4 or a later release.

EFOS release 3.4.4.2 and prior

All EFOS releases validate the integrity of the firmware image file by use of a generated checksum. This validates the image against transfer errors during the download process. Once the transferred image has been tested against corruption, the image is available for use. EFOS 3.4.4.2 and earlier release will reject an image which gets corrupted during transfer, but does not guarantee a firmware image which has been tampered with cannot be utilized on the BES Switch

EFOS release 3.4.4.4 and later

Starting with version 3.4.4.4 all EFOS firmware contains a digital signature which will be validated before the firmware can be utilized on the BES switch. Any future changes to the firmware image being loaded will also be subject to validation. Any unsigned firmware images or firmware images which do not pass validation, such as firmware images released prior to EFOS 3.4.4.4, will be rejected. If an image is rejected the current firmware image in use will remain operational.