

# **EFOS 3.11**

## **Build Version 3.11.1.2 Upgrade Brief**

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# 1 Overview

This document briefs about the various installation methods and recommended modes of installation.

# 2 Installation Methods

## Non-FIPS to FIPS and vice-versa

ONIE Installation is the only recommended/supported mode while moving from FIPS to non-FIPS and vice versa

## Upgrade to 3.11.1.2

It is recommended to download the 3.11.1.2 STK file to the backup partition and activate it to boot into the 3.11.1.2 version. Image download to active partition is also supported, but if the download fails or corrupts, we may have a situation with no valid image on the switch.

User can also upgrade the switch software to 3.11.1.2 using the ONIE installer. Before using the ONIE installer, user must backup all the configurations licenses and keys present on the system. ONIE installation will wipe out all the data and install 3.11.1.2 on both active and backup partitions.

## Downgrading from 3.11.1.2 to 3.4.x.x

User can downgrade from 3.11.1.2 to 3.4.x.x by using the copy command. It is always recommended to download the image to backup partition and activate the image.

If user has both 3.4.x.x and 3.11.1.2 images in the switch, it is always recommended to use the 3.11.1.2 version of the image to upgrade/downgrade any partition. Failing to do so, can result in boot failure due to image signature validation failure.

Note: Since EFOS 3.7 also support signature validation, the above restriction is not applicable.

### Recovery from Boot Failure due to image signature validation

If the switch encounters Boot Failure due to image signature validation, it can be recovered in the below methods.

#### Using Boot Menu

1. Stop in the Boot Menu and Enter 2 for additional options.
2. Use Option 2 to Update Code and you can download the STK file again.

Note: Only network method of download available at this point is TFTP download.

#### ONIE Installation:

User can go into ONIE mode and use ONIE installation to do a clean install.

Note: All the user configs, licenses, keys and data will be lost in ONIE install.