

Epsilon - Firmware Upgrade Guide

Document Control Section**Revision History:**

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1.0 INTRODUCTION

This document gives step by step procedure for upgrading customized webstax software. The customized webstax software can be upgraded on the following variants of switches,

1. Epsilon-8100
2. Epsilon-12G2
3. 9710620

2.0 LOADING REDBOOT/CUSTOMIZED WEBSTAX FOR FRESH BOARD

<<TODO>>

3.0 LOADING CUSTOMIZED WEBSTAX

Following procedure shall be followed to load the new image using xmodem protocol,

1. Open an terminal and enter the Redboot session (press 'Ctrl + C' while booting)
2. Enter the following command
Redboot>lo -m xmodem -r -b 0x80040000
3. Using xmodem protocol send *.bin file (located in ~/epsilon/src/build/obj/)
4. Once the load is completed use following command to run the code
Redboot>go 0x800400BC

NOTE: This will not erase and/or reprogram the SPI Flash content; instead code shall be loaded from the RAM. Power cycling the board causes the loss of the loaded firmware.

4.0 FIRMWARE UPDATES USING SERIAL CONSOLE/TFTP

Following procedure shall be followed to upgrade/update the firmware using serial console,

1. Connect switch to the network
2. Run any TFTP application on host machine
3. Copy *.dat file (located in ~/epsilon/src/build/obj/) to TFTP directory
4. On command line
#firmware upgrade tftp://<ip_address>/path/*.dat

This will erase the old image and upload the new image and reboots the system.

5.0 FIRMWARE UPDATE USING WEBPAGE

Following procedure shall be followed to upgrade/update the firmware using web page,

1. Open a Webpage by entering IP <http://192.168.1.60>
2. Go to Maintenance -> Software -> Upload (Ref Fig – 1)

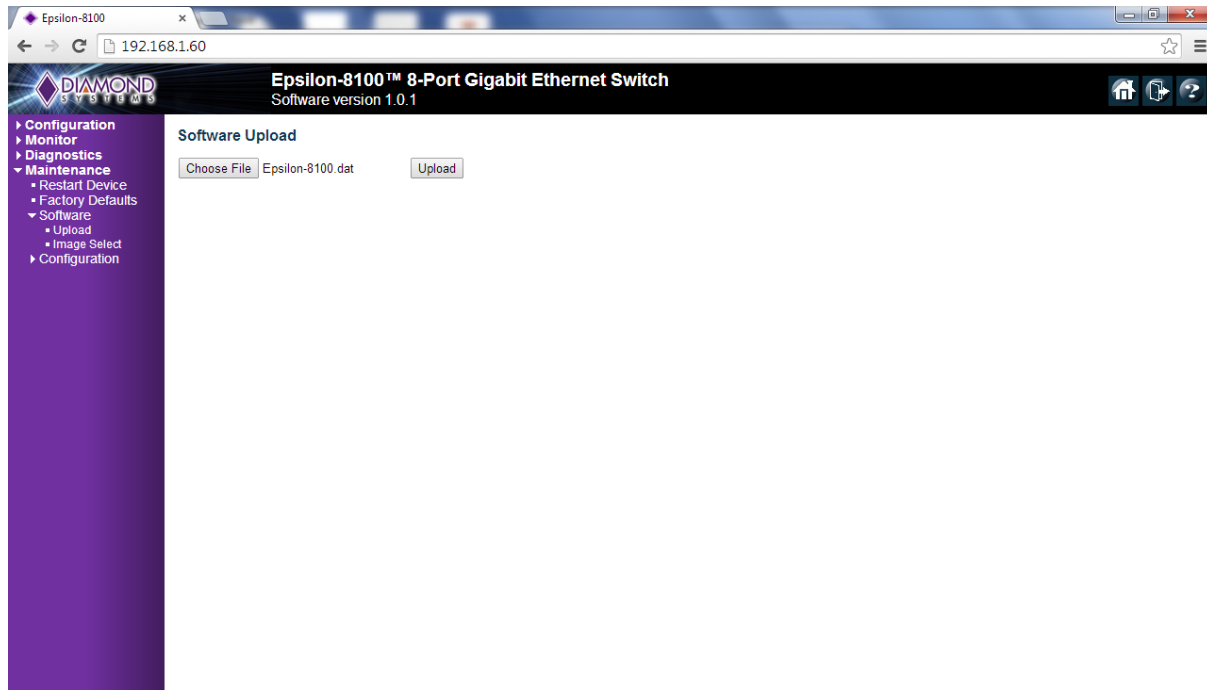


Fig -1 Firmware Update via webpage

3. Browse *.dat file and click on Upload

This will erase the old image and upload the new image and reboots the system.