

## Epsilon - Firmware Upgrade Guide

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**Document Control Section**

**Revision History:**

Document version	List of Changes	Date of Revision	Revised By
0.1	Initial Draft	18 <sup>th</sup> July 2014	
0.2	Second Draft	18 <sup>th</sup> July 2014	

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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)

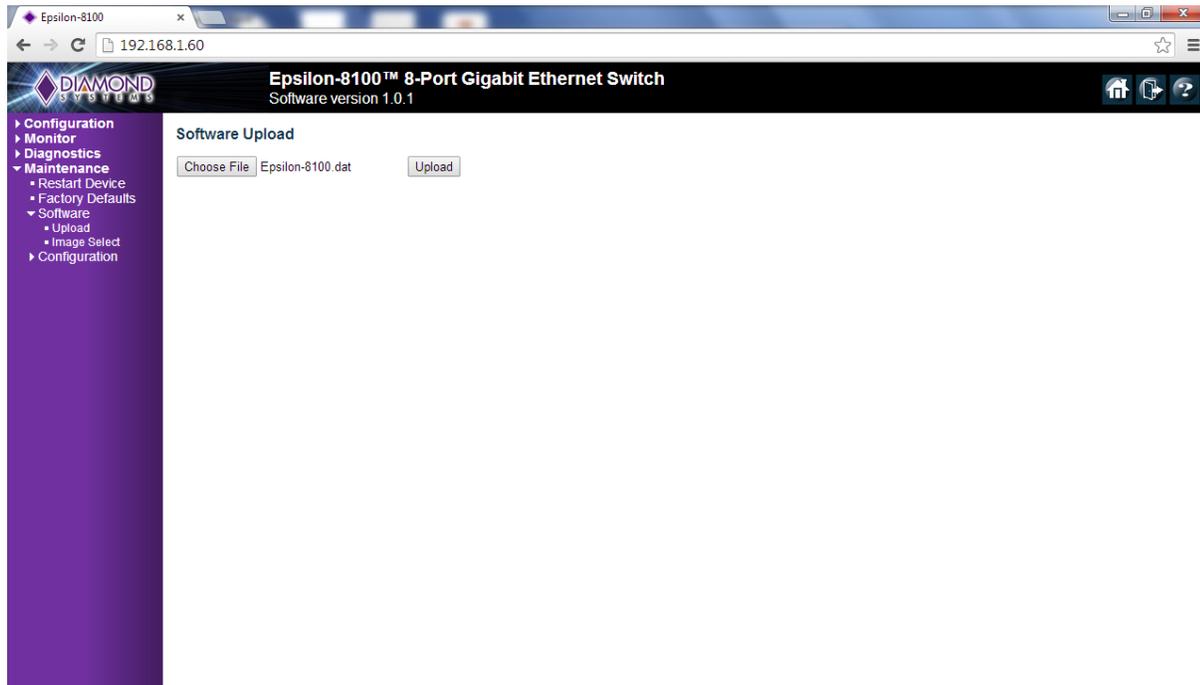


Fig -1 Firmware Update via webpage

3. Browse \*.dat file and click on Upload

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