How to update firmware

To manually flash firmware using ST DFUSE tools, get a copy of ST DFUSE tools. Search for STSW-STM32080

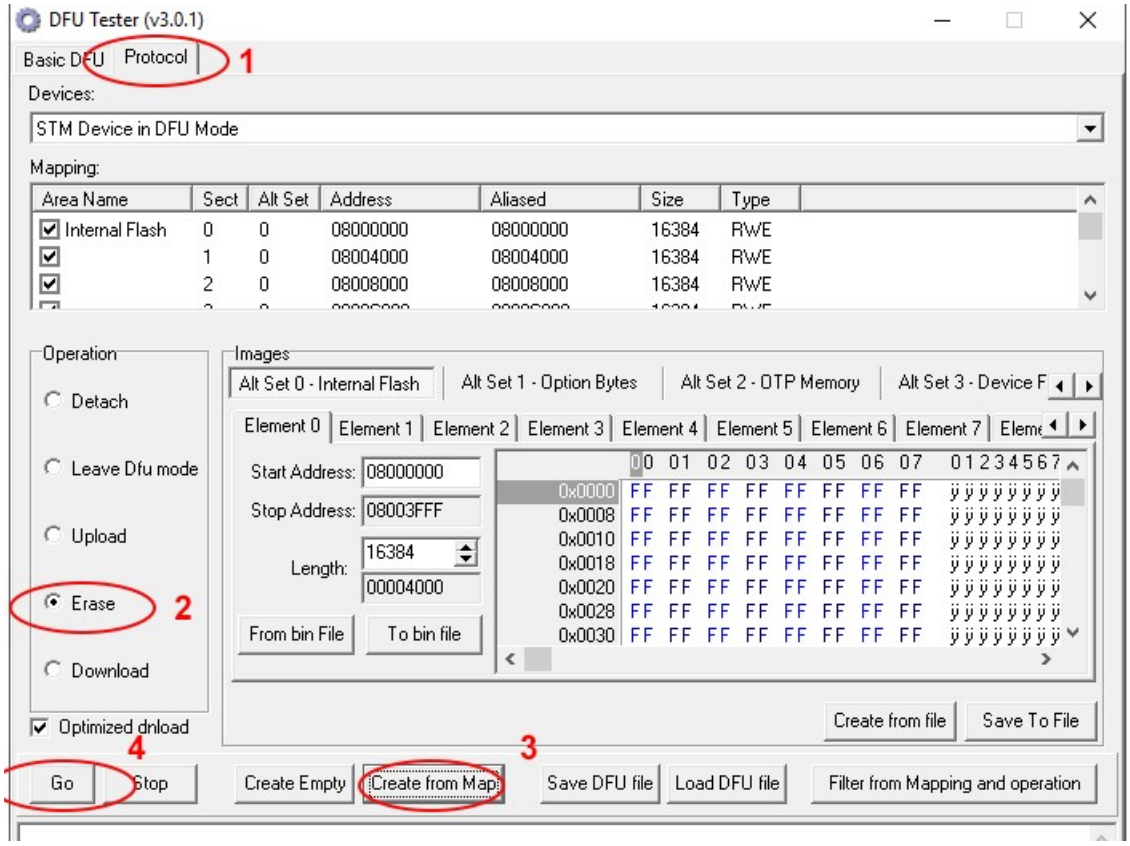
Step 1

Detach your Netduino

Press and hold your Netduino's pushbutton while plugging it in via USB; this will put it in bootloader mode.
Erase the firmware on your Netduino using the

STDFU Tester application

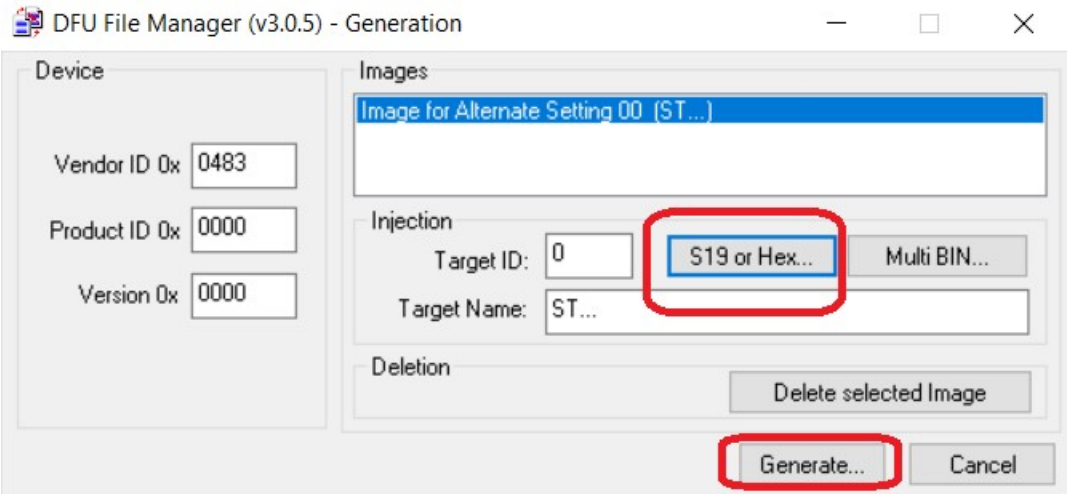
a. Select the "Protocol" tab
b. Press the "Create from Map" button
c. Select the "Erase" radio button option
d. Press the "Go" button
e. Wait for the erase process to complete



Step 2

To create the DFU tinybooter.dfu file:

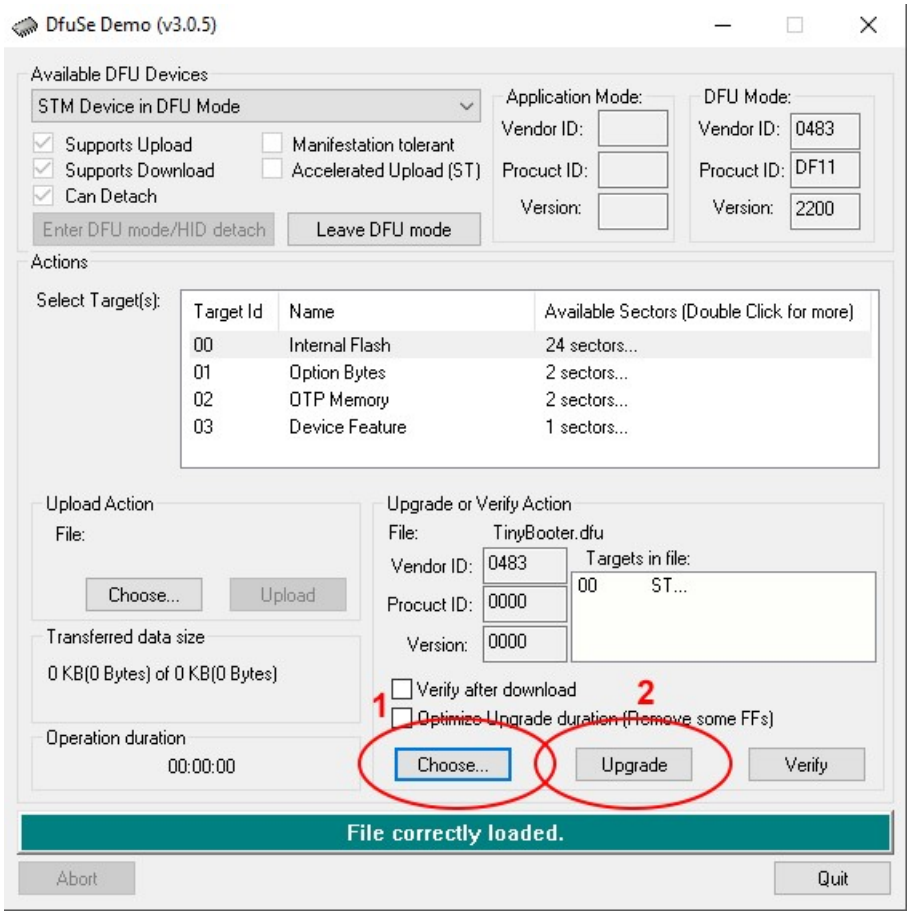
a. Run "DFU File Manager" (from the ST DFU tools)
b. Select "I want to GENERATE a DFU file" and press OK.
c. Click "S19 or HEX..." and then select one of the firmware files in Netduino Update's respective Firmware folder.
d. Click the "generate" button to generate the DFU file



Step 3

Using the DFUSE Demo Application

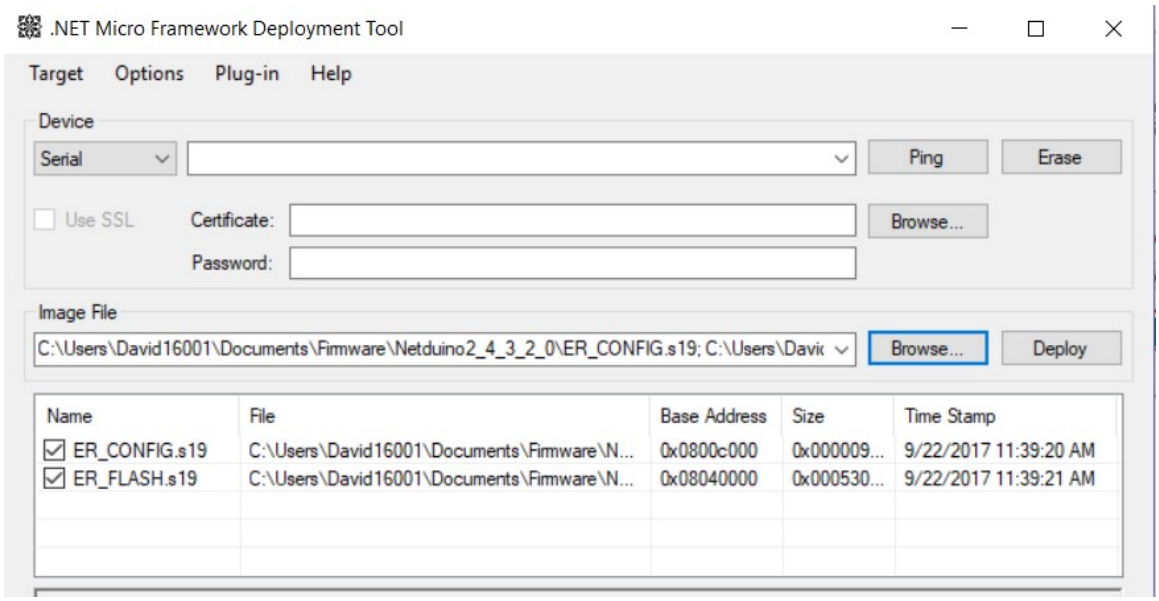
a. Load TinyBooter
b. With board still in DFU mode
c. Click bottom right Choose – select tinybooter.dfu
d. Click Upgrade



Step 4

Reboot
Open MFDeploy
Select USB
Bottom Browse – Select both config files
Deploy

Note: .s19 files are not shown in MFDeploy enter “*.*” as the File Name: and click the Open button. The .s19 files will be displayed


.NET Micro Framework Deployment Tool
Target
Options
Plug-in
Help
Device
Serial
Ping
Erase
Use SSL
Certificate:
Browse...
Password:
Image File
C:\Users\David16001\Documents\Firmware\Netduino2_4_3_2_0\ER_CONFIG.s19; C:\Users\Davic
Browse...
Deploy
Name
File
Base Address
Size
Time Stamp
ER_CONFIG.s19
C:\Users\David16001\Documents\Firmware\N...
0x0800c000
0x000009...
9/22/2017 11:39:20 AM
ER_FLASH.s19
C:\Users\David16001\Documents\Firmware\N...
0x08040000
0x000530...
9/22/2017 11:39:21 AM