

Assignment 1

Getting Yocto Working - perform installation, show in report.

Assignment 2

Explain systemd, udev, FDTs in your report.

Assignment 3

Update the firmware on your embedded Linux platform to the vendor's latest non-GUI version

Assignment 4

Create a udev rule, service file and/or shell script to automatically mount a micro-SD "external drive" for your embedded Linux platform.

Assignment 5

Inspect the FDT files referred to by uEnv.txt in the /boot directory of your embedded Linux device. Describe in your report.

Assignment 6

Cross Toolchain and Eclipse. Following the directions provided in the instructional videos located at:

https://github.com/takisourntos/teaching/tree/master/instructional/BB_cross_toolchain

Please setup your own cross toolchain that can work with your Ubuntu host machine running the Eclipse IDE and your Beaglebone Black (running Debian Linux). Describe your process in the report.

Assignment 7

Getting Started with Qt. Read up on GTK+, Qt, and provide a description of these two libraries in your report.

Assignment 8

Install qt-5-default and qtcreator on your desktop. Have a look around, and build (and run) the example MainWindow application on your host machine.