**QT-APP\_CREATION\_FOR\_TARGET**

**Downloading qt-creator:**

In order to build an qt-application for target, first you need to develope some code for your qt-ui (user-interface). If you design the graphical view as required, the equalent xml & cpp code generated by qt-creator.

Take that generated code and cross-compile it using cross-compiled qmake resident in /usr/local/mini2440/qt-4.8.5/build/bin will endup in creating a Makefile. Then just give make will give you the required recepie for target board.

[root@linux](mailto:root@linux): cd /opt

[root@linux](mailto:root@linux): **wget download.qt-project.org/official\_releases/qt/5.2/5.2.1/qt-opensource-linux-x64-5.2.1.run**

[root@linux](mailto:roota@linux): **chmod +x** qt-opensource-linux-x64-5.2.1.run

[root@linux](mailto:root@linux):**./qt-opensource-linux-x64-5.2.1.run**

**Check all boxs , select GPL license and Install.**

**1.** Select a **new project -> Qt widgets application**

**2.** On the **left side panel** you shall see some **.ui** file in Forms

**3.** Click on that, Now you can design a window of your choice then Qt will generate equalent

qml/xml code.

**4.** Save it, **click edit** in the leftside panel.

**5.** If you're done with creation, its time to cross-compile qt-app for target.

It can be done in two ways.

**I. By Qt-Creator:**

Go to your qt created code by QtCreator.

# **cd path/2/qtCreator/saved/projects/your/project/**

# **path/2/cross-compiled/qt/bin/qmake mainfile.pro**

The main file will going to-

call all the files {main.cpp, mainwindow.cpp, mainwindow.h, mainwindow.ui}

**Ex:** **/usr/local/mini2440/qt-4.8.5/build/bin/qmake** **mini2440.pro**

It will endup in create a **Makefile**.

**\*** If u run normal qmake then it'l generate Makefile for host, but not for target.

So see Makefile

**# vi Makefile**

you shud see the appropiate CC=arm-linux-gcc, CCXX=arm-linux-g++ and so on.,

To generate executable for target run make.

**# make**

**# file <generated.executable.name>**

It shud display that builted for target architecture.

**-** Copy the generated qt app to target and run.

**Target # qt-app-name -qws** 0r use below to get visible font

**Target # qt-app-name -qws -fn helvetica**

**II. Compiling through Qt-Creator:**

Open creator

-> Tools

-> Options

-> compilers

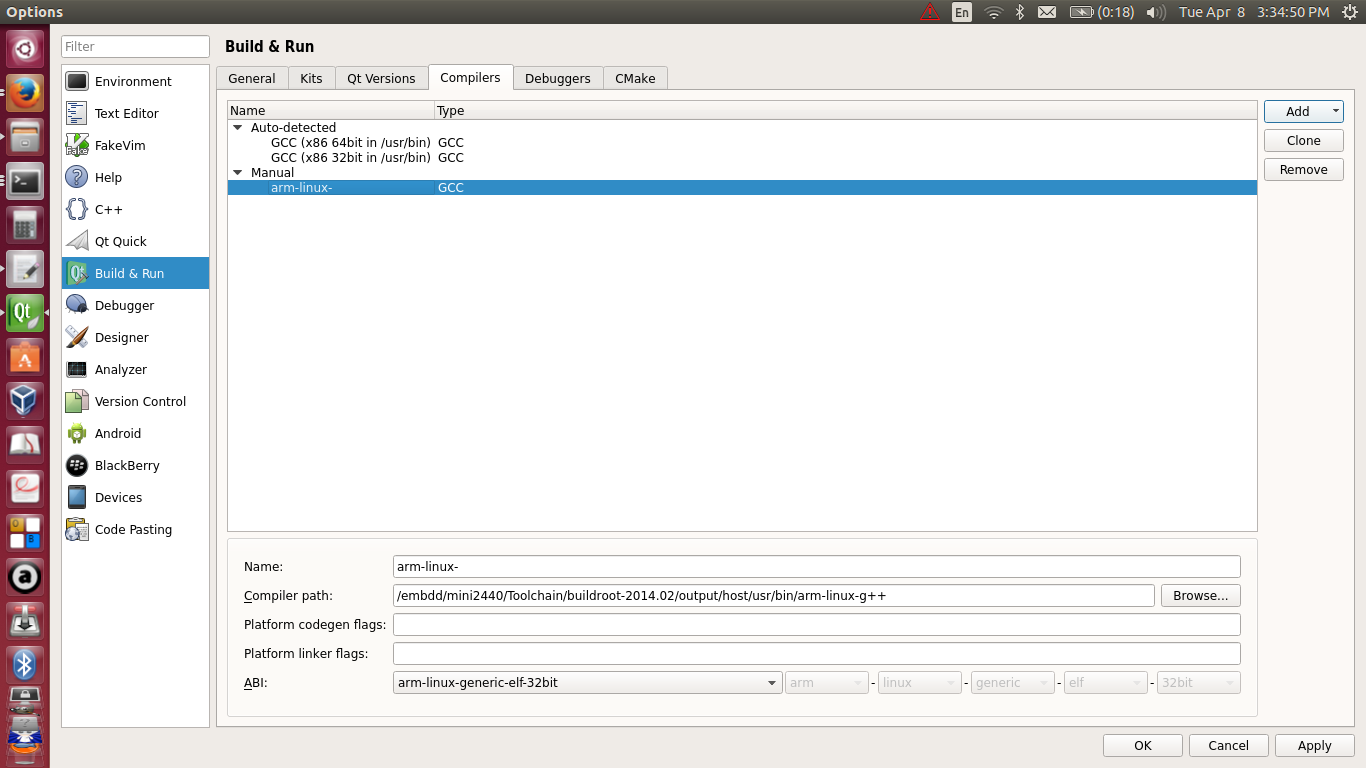
-> Add (right most side)

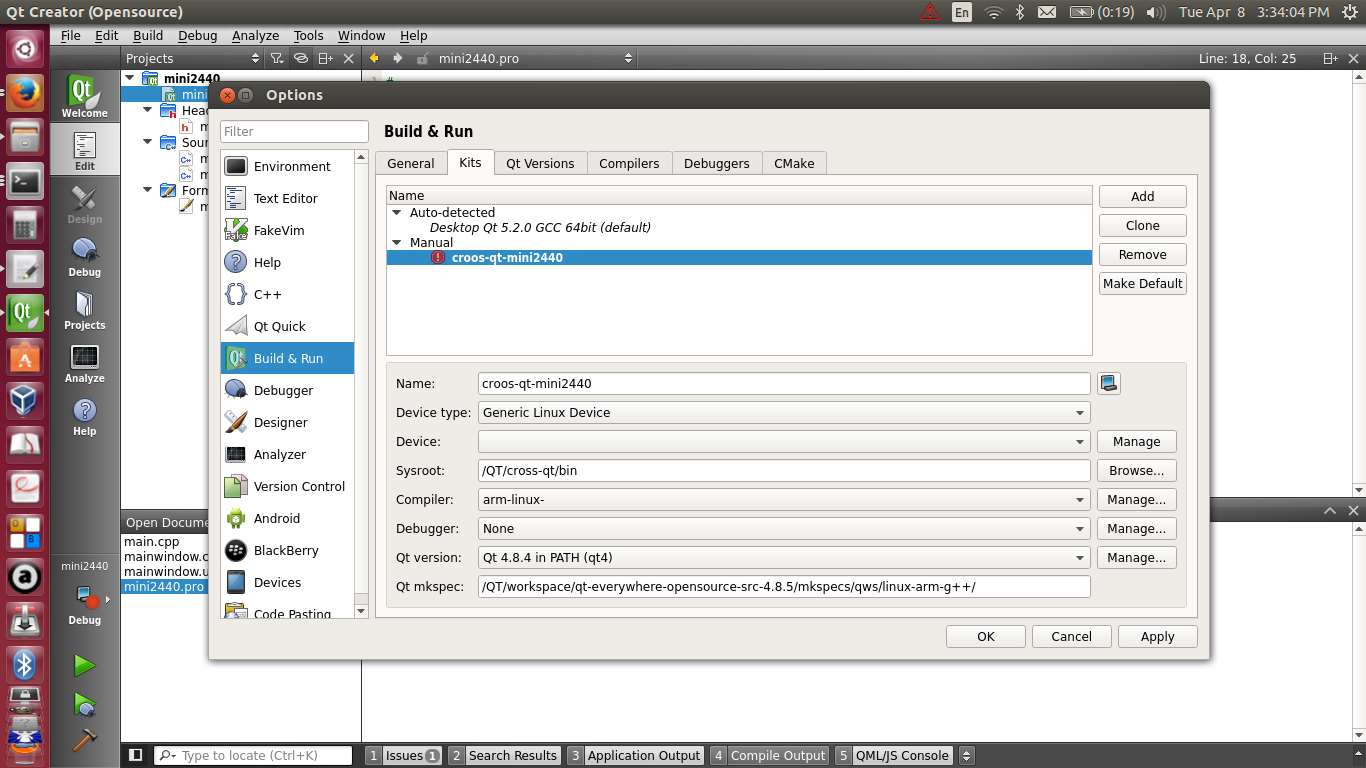
Select GCC

Give appropriate fields.

**Name : arm-linux-**

**Compiler path: /embdd/mini2440/Toolchain/buildroot-2014.02/output/host/usr/bin/arm-linux-g++**

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