**Tutorial : apt-get install Qt4 on the Rasperry Pi**

Using the Raspbian image

**apt-get**

Firstly I got the development tools needed by Qt Creator in the hope it would be less heavy for the Pi to download separately.

1. **sudo apt-get install qt4-dev-tools**

Then I went for Qt Creator

1. **sudo apt-get install qtcreator**

I also installed

1. **sudo apt-get install gcc**
2. **sudo apt-get install xterm**
3. **sudo apt-get install git-core**
4. **sudo apt-get install subversion**

this gives as a result Qt Creator 2.5 with Qt 4.8.1 32 bit

**Problem : no toolchain.**

We can only compile for remote embedded devices and this is not the case here, because we are on the Pi and not remotely accessing it.

**I added a gcc toolchain**

**Tools/Options > build & run > tab tool chains > button add  
Choose GCC**

* Then set compiler path : **/usr/bin/arm-linux-gnueabihf-gcc-4.6**
* Debugger : **/usr/bin/gdb**
* Mkspec : **default**

**Qt Creator seems to detect that we are going to deploy on a remote target.**

To fix this :

* **Go to menu help > about plugins**
* **Uncheck device support > remote linux**
* **Restart Qt Creator**
* **Go to tools > options TAB > build & run > Qt versions > add “/usr/bin/qmake-qt4”**

It will then show up as a desktop project in the project wizard instead of embedded.

1. Random

int( random() / (RAND\_MAX + 1.0) \* (max + 1 - min) + min )