

(QT) Qt Application Develop 가이드

Build_root 컴파일이 완료 된 후

QT Application을 컴파일 하기 위한 환경 설정을 합니다.

```
[icanjji@crz-server113 bin]$ pwd
/home/icanjji/work/mango2450/m2450_kernel3.0.22_mrvl8787_Qt_130418/buildroot-2012.08/output/host/usr/bin
```

리눅스 커맨드 창에서

```
$ export PATH/home/icanjji/work/mango2450/m2450_kernel3.0.22_mrvl8787_Qt_130418/buildroot-2012.08/output/host/usr/bin:$PATH
```

그리고, " QMAKESPEC" 을 export 합니다.

경로는 사용자 환경에 맞게 설정합니다.

```
$ export QMAKESPEC/home/icanjji/work/mango2450/m2450_kernel3.0.22_mrvl8787_Qt_130418/buildroot-2012.08/output/host/usr/mkspecs/qws/linux-arm-gnueabi-g++
```

컴파일 방법

아래는 예제입니다.

```
$ cd crz_test
$ rm -f crz_test crz_test.pro Makefile mouse_test.o
$ qmake -project
하면
Qt demo.pro 가 만들어 집니다.

$ qmake
하면
-rw-rw-r-- 1 icanjji icanjji 835028 Oct 17 12:07 Makefile
drwxrwxr-x 8 icanjji icanjji 4096 Oct 17 12:07 .
drwxrwxr-x 3 icanjji icanjji 4096 Oct 17 12:07 .moc
drwxrwxr-x 3 icanjji icanjji 4096 Oct 17 12:07 .obj
drwxrwxr-x 3 icanjji icanjji 4096 Oct 17 12:07 .pch
drwxrwxr-x 3 icanjji icanjji 4096 Oct 17 12:07 .rcc
-rw-rw-r-- 1 icanjji icanjji 1406 Oct 17 12:06 qtdemo.pro
```

파일들이 나옵니다.

```
[icanjji@crz-server113 crz_test]$ ls -al
```

```
total 32
drwxrwxr-x  2 icanjji icanjji 4096 Dec 11 19:13 .
drwxrwxr-x 16 icanjji icanjji 4096 Dec 11 18:18 ..
-rw-rw-r--  1 icanjji icanjji  304 Dec 11 19:12 crz_test.pro
-rwxr--r--  1 icanjji icanjji   48 Oct 19 20:02 crz_test.sh
-rw-rw-r--  1 icanjji icanjji 8819 Dec 11 19:13 Makefile
-rwxr--r--  1 icanjji icanjji  680 Oct 23 09:54 mouse_test.cpp
```

```
[icanjji@crz-server113 crz_test]$ make
```

```
arm-none-linux-gnueabi-g++ -c -pipe -g -Wall -W -D_REENTRANT -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB -DQT_SHARED -I./output/host/usr/mkspecs/qws/linux-arm-gnueabi-g++ -I. -I./output/host/usr/arm-unknown-linux-gnueabi/sysroot/usr/include/QtCore -I./output/host/usr/arm-unknown-linux-gnueabi/sysroot/usr/include/QtNetwork -I./output/host/usr/arm-unknown-linux-gnueabi/sysroot/usr/include/QtGui -I./output/host/usr/arm-unknown-linux-gnueabi/sysroot/usr/include -I. -I. -o mouse_test.o mouse_test.cpp
mouse_test.cpp:6:7: warning: unused parameter 'event' [-Wunused-parameter]
mouse_test.cpp:18:7: warning: unused parameter 'event' [-Wunused-parameter]
arm-none-linux-gnueabi-g++ -o crz_test mouse_test.o
L/home/icanjji/work/m210_linux_10_1_inch_QT_121206/buildroot-m210-2012.12/output/host/usr/arm-unknown-linux-gnueabi/sysroot/usr/lib -lQtGui
L/home/icanjji/work/m210_linux_10_1_inch_QT_121206/buildroot-m210-2012.12/output/host/usr/arm-unknown-linux-gnueabi/sysroot//usr/lib -lQtNetwork -lQtCore -lpthread
```

```
[icanjji@crz-server113 crz_test]$ ls -al
```

```
total 548
drwxrwxr-x  2 icanjji icanjji  4096 Dec 11 19:13 .
drwxrwxr-x 16 icanjji icanjji  4096 Dec 11 18:18 ..
-rwxrwxr-x  1 icanjji icanjji 231461 Dec 11 19:13 crz_test
-rw-rw-r--  1 icanjji icanjji  304 Dec 11 19:12 crz_test.pro
-rwxr--r--  1 icanjji icanjji   48 Oct 19 20:02 crz_test.sh
-rw-rw-r--  1 icanjji icanjji 8819 Dec 11 19:13 Makefile
-rwxr--r--  1 icanjji icanjji  680 Oct 23 09:54 mouse_test.cpp
-rw-rw-r--  1 icanjji icanjji 292068 Dec 11 19:13 mouse_test.o
```

실행방법

Host pc에서

```
$ cp crz_test ~/work/nfsroot/rootfs/root/
```

NFS 파일시스템을 사용하므로 위와 같이 copy합니다.

NFS를 사용하지 않을 경우 rootfs.tar 파일을 압축을 풀고,

해당 어플을 copy한 후 다시 압축하여, nand에 write 하기 바랍니다.

```
$ ./crz_test -qws
```

또 다른 어플을 컴파일해서 올려보자.

```
$ cd /home/icanjji/work/drgem_s5pv210_mrvl8787/buildroot-2012.05/calibration
```

```
$ qmake -project
```

```
$ qmake
```

```
$ make
```

```
$ $ cp calibration ~/work/nfsroot/rootfs/root/
```