

7.5 Compile Qtopia-2.2.0

Qtopia-2.2.0 compile, since configuration process more complicated, to facilitate the for beginners to learn and easy to use, we make the steps to configure and compile into create script, simply run the script to compile the Qtopia platform, and to their own all applets; through "run" script can run them, x86 and arm version of the procedure are same basically, but the content is slightly different script, the following is the detailed steps.

7.5.1 Installing the source code extract

See chapter 5.4

7.5.2 Compile and run the x86 version of Qtopia-2.2.0

Into the working directory, execute the following command

```
#cd /opt/FriendlyARM/mini2440/x86-qtopia
#./build-all
```

(This process is long; you need to run about 30 minutes)

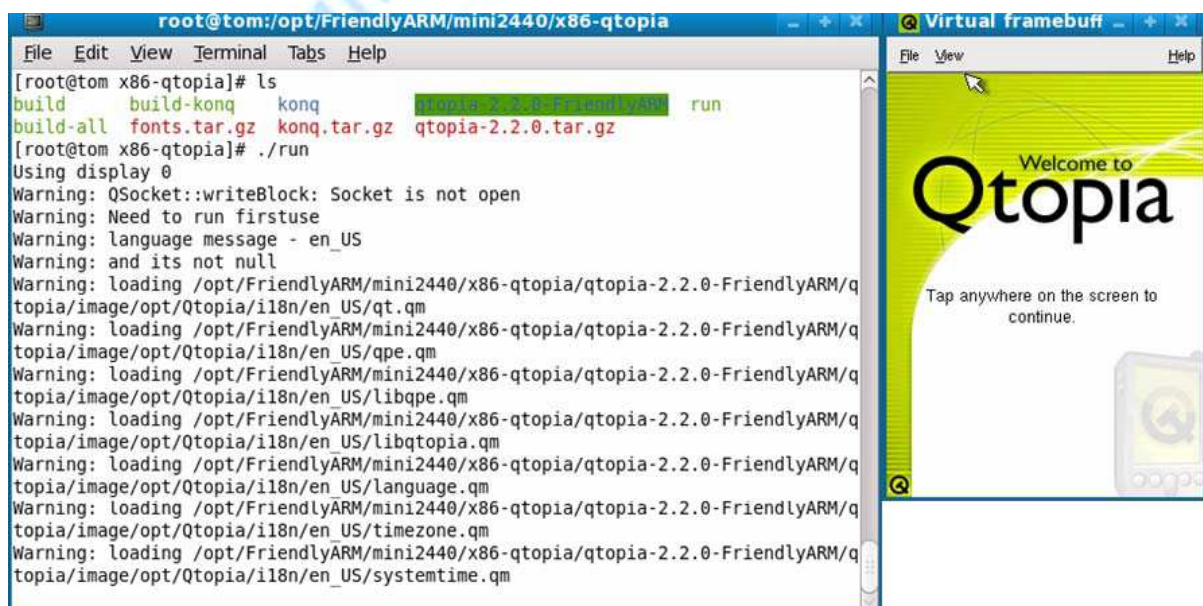
Note: /Build-all will automatically compile a complete Qtopia and embedded browser, you can have execution. /build and /build-konq script command to compile them separately.

To run you just compile the Qtopia system is very simple, just the compiled command in the terminal, enter the following command: q command script to compile them separately.

```
#./run
```

Note: "/" behind a ".", which means that implementation in the current directory

Then you can see the following screen



Follow the prompts to click run, you can see Qtopia system, the following.

Note: We do not make x86 versions of the Chinese system.



7.5.3 Compile and run the version of Qtopia-2.2.0 arm

Make sure you are using the compiler version arm-linux-gcc-4.4.3, run the platform for Fedora 9, into the working directory, execute the following command.

```
# cd / opt/FriendlyARM/mini2440/arm-qtopia
#./build-all (the process is long; you need to run about 30
minutes)
#./maketarget (made applicable to the target root file system
image file binary package, will generate a target-qtopia-konq.tgz)
```

Note: ./build-all will automatically compile a complete Qtopia, embedded browser and the compiler generates the system supports jpeg, GIF, PNG, and other image formats, you can also have execute ./build and ./build-konq script command to compile them separately.

You can delete any original Qtopia development board system, as long as the /opt directory all files. Then the newly generated target-qtopia-konq.tgz through USB or other means to extract the root directory of the development board, assuming that we have spread it through ftp /home/plg directory, then execute the command terminal board:

```
#tar xvzf /home/plg/target-qtopia-konq.tgz -C /
```

Which "C" is the meaning of Change, "C" after the "/" represents extract to the root directory, is finished, restart the development board, you can see all the interfaces have become English, and "FriendlyARM "only one browser tab program, which is your own compiled throughout the Qtopia system, as shown:



The above process may seem very simple, but in fact all the secrets are in the build-all script, there are many online articles about transplants, the steps are essentially those recorded in the script, you can use Notepad to open the self-check tool.