

6.4 Making target the file system image

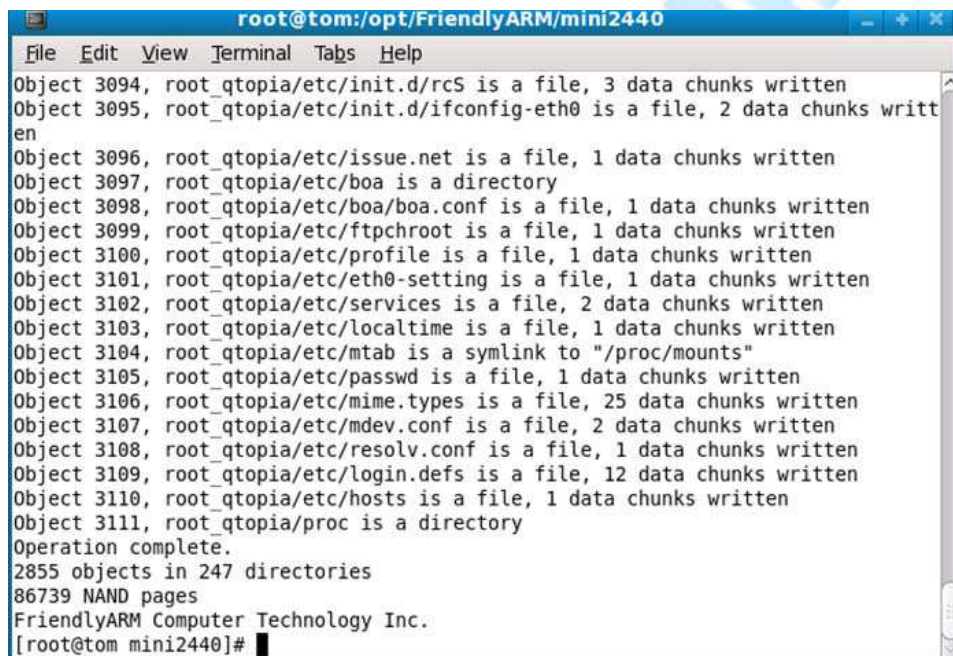
Note: Be sure to accordance with chapter 5.4.3 on installation mkyaffs2image file system creation tools.

Here, we test to making the rootfs_qtopia_qt4.img the file system image, for example, to introduce the production yaffs2 file system image.

Enter /opt/FriendlyARM/mini2440 working directory, execute the following command:

```
#cd /opt/FriendlyARM/mini2440
#mkyaffs2image-128M rootfs_qtopia_qt4 rootfs_qtopia_qt4.img
```

This will create rootfs_qtopia_qt4.img image file in the current directory, that it of the same name of file in the CD-ROM, you can be programmed into the 128M/256M/512M/1G NAND Flash USB's mini2440/micro2440 systems. As shown in figure.



```
root@tom:/opt/FriendlyARM/mini2440
File Edit View Terminal Tabs Help
Object 3094, root_qtopia/etc/init.d/rcS is a file, 3 data chunks written
Object 3095, root_qtopia/etc/init.d/ifconfig-eth0 is a file, 2 data chunks written
Object 3096, root_qtopia/etc/issue.net is a file, 1 data chunks written
Object 3097, root_qtopia/etc/boa is a directory
Object 3098, root_qtopia/etc/boa/boa.conf is a file, 1 data chunks written
Object 3099, root_qtopia/etc/ftpchroot is a file, 1 data chunks written
Object 3100, root_qtopia/etc/profile is a file, 1 data chunks written
Object 3101, root_qtopia/etc/eth0-setting is a file, 1 data chunks written
Object 3102, root_qtopia/etc/services is a file, 2 data chunks written
Object 3103, root_qtopia/etc/localtime is a file, 1 data chunks written
Object 3104, root_qtopia/etc/mtab is a symlink to "/proc/mounts"
Object 3105, root_qtopia/etc/passwd is a file, 1 data chunks written
Object 3106, root_qtopia/etc/mime.types is a file, 25 data chunks written
Object 3107, root_qtopia/etc/mdev.conf is a file, 2 data chunks written
Object 3108, root_qtopia/etc/resolv.conf is a file, 1 data chunks written
Object 3109, root_qtopia/etc/login.defs is a file, 12 data chunks written
Object 3110, root_qtopia/etc/hosts is a file, 1 data chunks written
Object 3111, root_qtopia/proc is a directory
Operation complete.
2855 objects in 247 directories
86739 NAND pages
FriendlyARM Computer Technology Inc.
[root@tom mini2440]#
```

If you are using the development board of 64 MB NAND Flash version, you need to delete some directory of the target file system, otherwise if image file has larger than NAND flash then you can't program into the development board; and use the mkyaffs2image making tools of create, can brief are as follows:

- (1) To make a qtopia-2.2.0 include is only the target the file system, graphics system, just delete the entire contents of the directory "rootfs_qtopia_qt4/usr/local/Trolltech".
- (2) To create a graphic that contains only QtE-4.6.1 system, the target file system, just put "/opt" directory can be deleted all the contents.