

JFFS2 kernel configuration

Introduction

This page will walk the user through enabling support for the JFFS2 Flash file system in the MontaVista TI kernel. This support must be enabled to allow the kernel to boot with a root file system stored in Flash.

Enabling JFFS2 Support

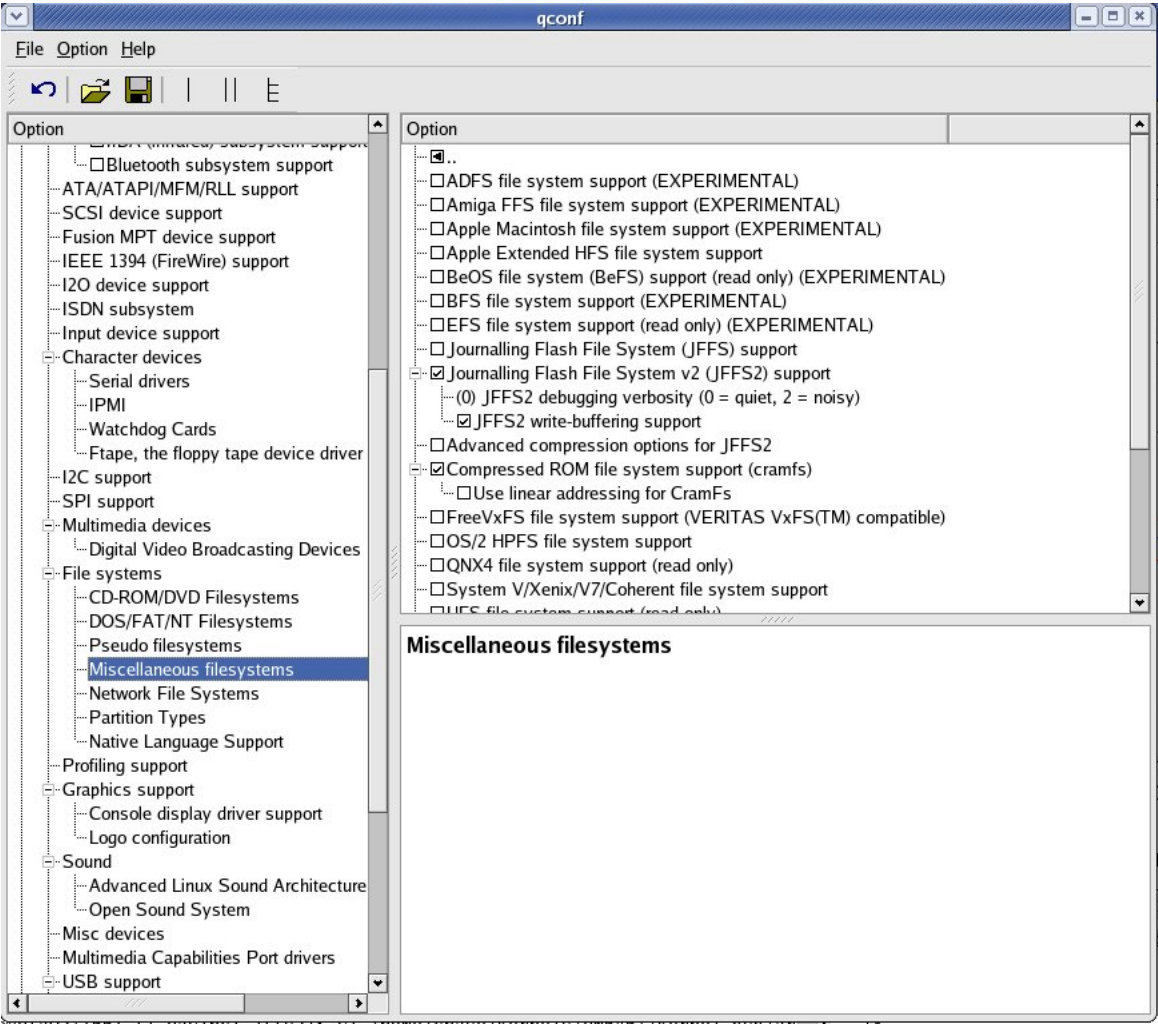
In order to enable JFFS2 support in the MontaVista TI kernel the user must compile the JFFS2 file system into the kernel. In this example it is assumed that the user has a copy of the MontaVista TI kernel in /home/user/workdir/ti-davinci. The following steps will demonstrate how to enable this support:

- Configure the kernel using xconfig

```
host$ cd /home/user/workdir/ti-davinci
host$ make ARCH=arm CROSS_COMPILE=arm_v5t_le- xconfig
```

- Enable JFFS2 support

The option for JFFS2 support is located under *File systems -> Miscellaneous filesystems*. Select *Journalling Flash File System v2 (JFFS2) support*. For example you should see a screen like the following:



- Save the configuration and exit xconfig
- Compile the kernel with JFFS2 support

For more details on compiling the kernel please refer to the *Building a New Linux Kernel* section of the *Getting Started Guide for your product*. An example command to compile the kernel is:

```
host$ make ARCH=arm CROSS_COMPILE=arm_v5t_le- uImage
```

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