FILEX

Express Startup Guide for Cortex-M4

GNU Tools

1

Purpose. This Express Startup Guide is designed to help you install and use FileX for the Cortex-M4 microprocessor using the GNU development suite. This guide, the ***readme_filex.txt*** file on the distribution disk, and Chapter 2 of the FileX User Guide contain more detailed information on getting started.

2

Installation. FileX for the Cortex-M4 is distributed on a single CD-ROM compatible disk. The entire source code distribution and ***readme_filex.txt*** file can be found in the FileX sub-directory. To install FileX on your hard-drive, either run the supplied installer program Setup.exe or copy the distribution from the CD manually. To copy the FileX distribution manually, utilize the same directory ThreadX was installed in (we recommend \threadx\cortex-m4\gnu) and execute the following MS-DOS copy command from the FileX directory on the distribution disk:

```
D:\filex> xcopy /S *.* C:\threadx\cortex-m4\gnu
(assuming hard-drive is C: and CD-ROM drive is D:)
```

Observe all the FileX source files being copied into your own ThreadX directory.

3

Building FileX. You are now ready to build the FileX run-time library ***fx.a***. You are going to need this library to link with your application in order to use FileX. Assuming that you are setup to use the GNU development environment, execute the ***build_filex.bat*** batch file from your ThreadX directory, as follows:

```
C:\threadx\cortex-m4\gnu\build_filex
```

Observe compiling and archiving of FileX objects into the ***fx.a*** library. You are now ready to use FileX with your application!

4

Demonstration System. You are now ready to build the FileX Cortex-M4 demonstration that executes on Cortex-M4 evaluation hardware. To build the demonstration execute the ***build_filex_demo.bat*** batch file in your ThreadX directory, as follows:

```
C:\threadx\cortex-m4\gnu\build_filex_demo
```

You are now ready to execute the demonstration!

If you have any questions, please don't hesitate to ask us!

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