

Express Startup Guide for Cortex-M4

GNU

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

2

Installation. NetX for the Cortex-M4 is distributed on a single CD-ROM compatible disk. The entire source code distribution and ***readme_netx.txt*** file can be found in the NetX sub-directory. To install NetX on your hard-drive, either run the supplied installer program Setup.exe or copy the distribution from the CD manually. To copy the NetX 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 NetX directory on the distribution disk:

```
D:\netx> xcopy /S *.* C:\threadx\cortex-m4\gnu
```

(assuming hard-drive is C: and CD-ROM drive is D:)

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

3

Building NetX. You are now ready to build the NetX run-time library ***nx.a***. You are going to need this library to link with your application in order to use NetX. To build the NetX library, execute the batch file ***build_netx.bat*** in the ThreadX directory as follows:

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

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

4

Demonstration System. You are now ready to build the NetX Cortex-M4 demonstration that executes on the Cortex-M4 hardware or simulator. To build the demonstration execute the batch file ***build_netx_demo.bat*** in the ThreadX directory, as follows:

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

Observe compiling and linking of the demonstration. You are now ready to execute

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