Release Note: Using the TI C Compiler 5.0 with SwiftTools

1.1 Upgrading to Version 5.0 of the TI C Compiler

Version 5.0 of the TI C compiler sets the environment variables A_DIR and C_DIR differently than older versions. If these variables are not set correctly, or if the TI compiler directory is not in your path, you may encounter one of the following errors during compilation:

make: vfork: No such file or directory or makeshell: Unable to execute ...

cannot execute: c_options=-qq ...

Follow the instructions below to correct this problem:

Windows 95: Make sure that the compiler directory is in your path and verify that the environment variables A_DIR and C_DIR, set in your AUTOEXEC.BAT file, do not end in a semi-colon (;). Reboot after making any changes.

Windows NT: Go to Control Panel->System->Environment and change the environment variables A_DIR and C_DIR to exclude the semicolons at the end of each line. Then go to Control Panel->System->Environment and append the TI compiler’s home directory to your path.

1.2 COFF File Formats Differences

Version 5.0 of the TI compiler uses a newer COFF file format (2.0), where PNLOAD accepts only version 0.0 COFF files. Attempting to load a newer COFF file will result in the PNLOAD error Fail to load.

To work around this problem, add the linker option -v0 to the end of the LINK_FLAGS = ... line in the ti.cmp file. This file is located in the SwiftTools makefile directory. The -v0 option forces the linker to generate version 0.0 COFF files.

1.3 Caveats

☐ If you are compiling in SwiftTools and are notified of a syntax error in the LNKLIST.CMD file, make sure that all filenames in your SwiftTools project begin with an alphabetic character. Files beginning with a number will generate this error.

☐ You can not open a node in SwiftTools if your Host name is more than 9 characters long. This behavior will be corrected in a future version of SwiftTools.

☐ Using upper case characters in naming your source code may cause problems with the symbolic debugger. If you are having difficulty setting breakpoints, make sure all source code files specified are in lower case.
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