NONMEM 7 Installation and Operation from the Intel Fortran Build Environment Window

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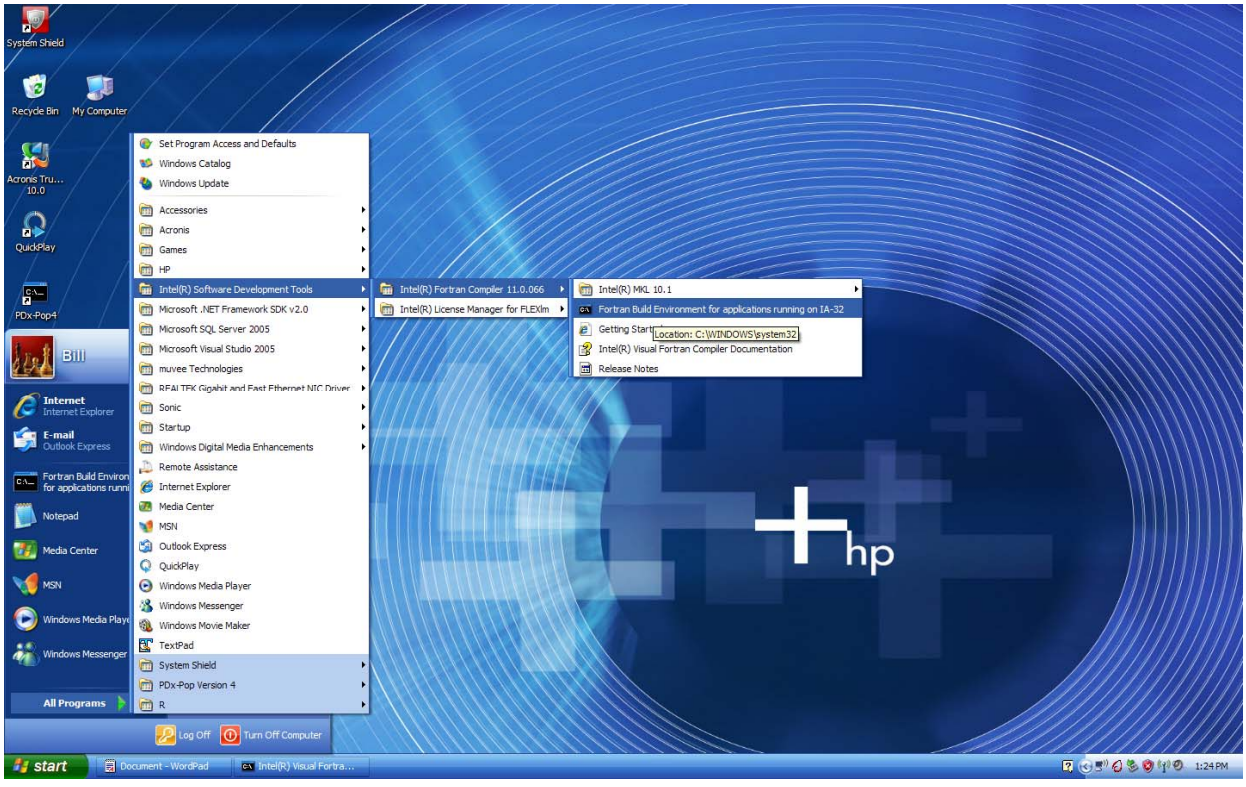
Overview: Setting the global environment variables for Intel Visual Fortran compilers using Microsoft Visual Studio has become overly burdensome for users (and NONMEM customer support). This document describes installing and running NONMEM 7 using the Intel Fortran Build Environment Window. This window, unlike a normal DOS window, is preconfigured for Intel Fortran and Microsoft Visual Studio by the compiler installation program. It can be used to install and run NONMEM 7 without further configuration.

The following instructions were created on a system with Windows XP (32-bit version), Intel Visual Fortran version 11.0 and an AMD Turion64 CPU. Similar instructions with minor changes should work for other versions of Windows (Vista, Windows 7) and Intel compilers. The Intel compiler (and Microsoft Visual Studio) should be installed first. Some versions of the Intel Fortran compiler are bundled with Visual Studio and the compiler installer will install both products. Other versions of the Intel Fortran compiler may require separate installation of Visual Studio or other Microsoft build tools.

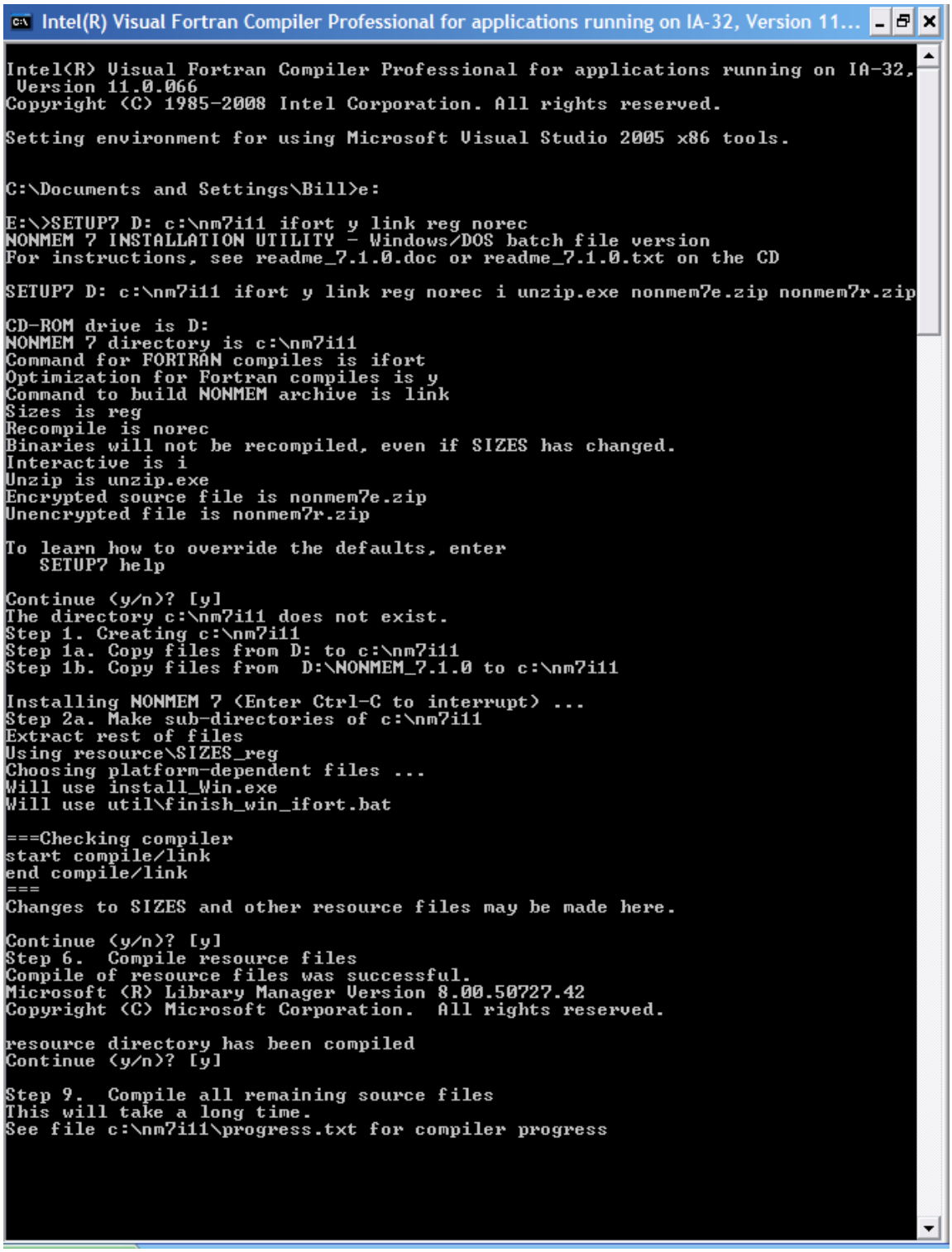
Procedure:

1. Open the Intel Fortran Build Environment from the Windows Programs menu:



Note: The exact program path to the Build environment window may differ from version to version and some installations may have multiple build environment windows available (e.g. Build Environment for IA-32 applications, Build Environment for Itanium®-based applications, etc.). The user must, in those cases, choose the specific Build Environment for their use.

2. Insert the NONMEM 7 CD-ROM into the drive. In the Build Environment Window, change to the drive letter for the NONMEM 7 CD-ROM. Run the SETUP7 command using the correct arguments as described in the readme_7.1.0.pdf document found on the NONMEM 7 CD-ROM. Follow the instructions for installation found in the readme_7.1.0.pdf document.



At the end of the installation process you may close the Build Environment or begin modeling with NONMEM.

Note: If you install NONMEM 7 using the Intel Fortran Build Environment Window, you must also **ALWAYS run NONMEM 7 using the Intel Build Environment Window**.

3. After installation, you may run NONMEM 7 at any time from the Build Environment Window (by selecting the Build Environment Window from the Windows Programs menu as done in Step 1.). Change to an appropriate directory containing the nmfe7.bat file, e.g. cd c:\nm7\run, and issue the command line arguments for a NONMEM run, e.g. nmfe7 control5 report5.txt.