Subject: INTEL compilers
Posted by pjpuchyr on Thu, 12 Jun 2014 13:46:41 GMT
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Hi,
I've just started to use U++ in Windows 7. I have VS10 on my computer, but don't use the Microsoft compilers. I use Intel Composer XE 2013 SP1 because I work with a lot of legacy (and new) Fortran code, as well as C++.

I defined INTEL as the build method, entering the path to the compiler bin, include and lib directories. But when I try to compile anything, it fails immediately, with messages which clearly indicate that the compile command invoked a Microsoft compiler.

How do I check the actual command being executed? How do I change it to invoke the Intel compiler instead of the Microsoft compiler?

Thanks

Subject: Re: INTEL compilers
Posted by dolik.rce on Thu, 12 Jun 2014 16:04:05 GMT
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Hi,

Welcome to the forum 8)

pjpuchyr wrote on Thu, 12 June 2014 15:46How do I check the actual command being executed? How do I
change it to invoke the Intel compiler instead of the Microsoft
compiler?
In "Setup" menu, there is option "Be verbose" which causes every executed command (and it's output) to be displayed. To specify exact compiler to use, there is a field "Compiler name" in the "Build methods" dialog. I believe you can put there full path to the compiler.

I must confess that I have heard about the Intel Composer XE. Does it use the icc for compiling or something else? I have never tried, but icc seems to be compatible with Visual C++, so it might actually work in theide without much hassle... However if it does not use icc, then I must warn you that getting theide to fully support new compiler might be rather more work.

Best regards,
Honza

Subject: Re: INTEL compilers
Posted by pjpuchyr on Thu, 12 Jun 2014 18:52:31 GMT
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Thanks for your reply, Honza.

By adding the compiler name "icl" and all appropriate paths in the Setup Build methods, I was able to get the 32 bit version to work, albeit with a number of compiler warnings. There are some compiler switches and defines which aren't correct, but even with the warning messages, my stripped down BlueBar example did link and run as expected.

The 64 bit version didn't link properly because there was still some confusion about x64 and x86.

If I get seriously into U++, I will try to fix these issues.

Subject: Re: INTEL compilers
Posted by Mindtraveller on Wed, 18 Jun 2014 10:24:23 GMT
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Hi!
I do use intel 2013 compiler too.
Here is my .bm file. It works for me (you need to change library directories in Build methods - but I suppose it's simple).
My configuration is optimized for 'Intel speed' configuration with SSE* disabled to be able to run under wide variety of processors.

File Attachments
1) Intel.bm, downloaded 279 times