
Subject: Promising results from CLANG/LLVM 6.0.0 on Windows

Posted by [Tom1](#) on Fri, 04 May 2018 08:45:36 GMT

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Hi,

It seems to me that for the first time ever I have managed to compile and link a working U++ application on Windows using CLANG (version 6.0.0). Of course, I received a whole bunch of compilation warnings and one linker error too from `_cpuid()` call in `Core/Cpu.cpp`, but after disabling that code, the result worked!

I used MSC17X64 builder (i.e. created a build method based on the default MSBT17x64). I had to add `"-Wno-logical-op-parentheses -Wno-ignored-attributes"` to "Common options" in order to slightly suppress the huge amount of warnings. Also, needed to insert `"C:\Program Files\LLVM\msbuild-bin"` and `"C:\Program Files\LLVM\bin"` to top of "Path - executable directories" in order to use CLANG instead of the default MS compiler.

Here's the download link for CLANG:

<http://releases.llvm.org/6.0.0/LLVM-6.0.0-win64.exe>

Could be nice to have the automatic build method detection to detect and configure the CLANG build method(s). Additional tuning and testing will be necessary to make everything work, but nevertheless it looks promising.

Best regards,

Tom

Update: Fixed second path to `'/bin'` above.

Subject: Re: Promising results from CLANG/LLVM 6.0.0 on Windows

Posted by [aftershock](#) on Sun, 13 May 2018 13:37:54 GMT

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So you compiled your project using clang compiler in msc mode and using msc own linker.

I also tried it...with additional difficulties.

I have to modify these two files

`Windows Kits\8.1\include\um\winsock2.h`

`Windows Kits\8.1\include\um\ws2tcpip.h`.

They complained about some minor errors.

I attached patches.

And

compiler did not like `_SCL_SECURE_NO_WARNINGS`

So I had to make a command line argument filter that removes that text.

To be able to do that, I had to modify the msc builder within the ide.

Then it got up to linking.

File Attachments

1) [patch.zip](#), downloaded 306 times
