
Subject: Re: Upp package binding for LLVM/Clang library (libclang)

Posted by [Sender Ghost](#) on Mon, 24 Jun 2013 00:15:46 GMT

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There is new LLVM 3.3 version on 17 Jun 2013. The corresponding archives were updated.

At the moment of writing this message, there are no Clang v3.3 pre-built binaries for MinGW (as of 184675 revision). I managed to build it by excluding AArch64 LLVM target:

```
set CUR_DIR=%~p0
set GENERATOR="MinGW Makefiles"
set GENERATOR_DIR="%CUR_DIR%build\llvm_3_3"
set GENERATOR_FILES="%CUR_DIR%source\llvm_3_3"
set INSTALL_DIR="%CUR_DIR%install\llvm_3_3"
rem all targets, except AArch64, to exclude the error
set
TARGETS_TO_BUILD="ARM;CppBackend;Hexagon;Mips;MBLaze;MSP430;NVPTX;PowerPC;Sparc;SystemZ;X86;XCore"
set GENERATOR_DEFINES=-DCMAKE_INSTALL_PREFIX:PATH=%INSTALL_DIR%
-DCMAKE_BUILD_TYPE:STRING="RELEASE"
-DLLVM_TARGETS_TO_BUILD:STRING=%TARGETS_TO_BUILD%

cd %GENERATOR_DIR%
cmake -G %GENERATOR% %GENERATOR_DEFINES% %GENERATOR_FILES%
mingw32-make
mingw32-make install/fast
```

To note: there is also possible to use "Ninja" CMake generator instead of "MinGW Makefiles" (for example, to use all CPU cores for building):

Toggle batch file

```
set CUR_DIR=%~p0
set GENERATOR="Ninja"
set GENERATOR_DIR="%CUR_DIR%build\llvm_3_3"
set GENERATOR_FILES="%CUR_DIR%source\llvm_3_3"
set INSTALL_DIR="%CUR_DIR%install\llvm_3_3"
rem all targets, except AArch64, to exclude the error
set
TARGETS_TO_BUILD="ARM;CppBackend;Hexagon;Mips;MBLaze;MSP430;NVPTX;PowerPC;Sparc;SystemZ;X86;XCore"
set GENERATOR_DEFINES=-DCMAKE_INSTALL_PREFIX:PATH=%INSTALL_DIR%
-DCMAKE_BUILD_TYPE:STRING="RELEASE"
-DLLVM_TARGETS_TO_BUILD:STRING=%TARGETS_TO_BUILD%

cd %GENERATOR_DIR%
cmake -G %GENERATOR% %GENERATOR_DEFINES% %GENERATOR_FILES%
ninja
ninja install
```

To create "Ninja build system" from source code on Windows, just use configured "_start_here.bat" file from the above message (and re2c scanner generator binary, if needed):

```
cd ninja  
python bootstrap.py --platform=mingw
```
