

Exiv2 - Bug #1266

CMake fails to link zlib with debug config using msvc 2015.

10 Dec 2016 17:58 - Ben Touchette

Status:	Closed	Start date:	10 Dec 2016
Priority:	Normal	Due date:	13 Dec 2016
Assignee:	Ben Touchette	% Done:	100%
Category:	build	Estimated time:	10.00 hours
Target version:	0.26		
Description			
Compilation fails for exiv2 and samples when using CMake with MS VS 2015 Community Edition and gives link errors about missing zlib symbols.			
CMakeLists.txt is missing the zlib target_link_libraries and fails. Add this line before the expat one in the msvc check fixes the issue:			
<pre>TARGET_LINK_LIBRARIES(exiv2lib \${PRIVATE_VAR} \${ZLIB_LIBRARIES})</pre>			
Adding patch for comments.			

Associated revisions

Revision 4696 - 13 Dec 2016 17:46 - Ben Touchette

#1266 Add path to zlib for cmake msvc to src/CMakeList.txt to fix debug buildtype build issues

History

#1 - 11 Dec 2016 11:04 - Robin Mills

- Category set to build
- Assignee set to Robin Mills
- Target version set to 0.26

Your patch looks good. However I'm wondering how you are building Exiv2/CMake/MSVC as the buildserver has successfully built this without the patch!

So my questions is: "What are you doing and why?" If you want to debug code in VS2015, I recommend you keep away from CMake. Open msvc/exiv2.sln. The convertor will take about 5 minutes to run (why is it so slow?). Then build. Set your breakpoints and execute exiv2.exe

I see Daniel has added entries concerning CURL (and SSH) that look suspicious to me. CURL should only be linked when EXIV2_ENABLE_CURL is set.

#2 - 11 Dec 2016 11:57 - Ben Touchette

I don't disagree with any of the particulars, except i have a client that uses CMake in their build process and have the support libraries outside the standard paths thus it requires passing them to do CMake during the configuration phase where it finds them but fails on finding the specified path without that patch when building for the debug target during the actual build at which point the linker complains of not find it. Setting the build to release works fine though without the changes.

#3 - 11 Dec 2016 13:17 - Robin Mills

- Status changed from New to Assigned
- Assignee changed from Robin Mills to Ben Touchette

Well, if your patch is working for you, I am happy. The daily build performed for VS2015 is release/x64 and release/win32. I'll check tomorrow that it hasn't broken.

It's useful that you are working with CMake/MSVC. There may be more pain ahead, however it's only by using those horrors that we can find and fix such mysterious behaviour.

I've assigned this to you. When you're happy, please close this, set the done to 100 and update "estimated time" to account for your effort.

#4 - 11 Dec 2016 14:03 - Ben Touchette

I don't think it will be broken, as it worked here. Only the debug version had the issue. I'll take care of updating it tomorrow, having a rather awful morning right now and i think i need to stay away from anything critical, lol, smh.

#5 - 13 Dec 2016 17:48 - Ben Touchette

- Due date set to 13 Dec 2016
- Status changed from Assigned to Closed
- % Done changed from 0 to 100
- Estimated time set to 10.00 h

closing.

Files

exiv2-cmake-msvc-2015-link-patch.diff	582 Bytes	10 Dec 2016	Ben Touchette
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