

Wt - Bug #10941

[MSVC] Wt failed to build with error C2026 on MSVC

09/14/2022 10:25 AM - mi niMo

Status:	Resolved	Start date:	09/14/2022
Priority:	High	Due date:	
Assignee:	Roel Standaert	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	4.9.0		
Description			
Hi all, Wt fails to build on MSVC due to error C2026. Could you help look?			
Error message			
F:\gitP\emweb\wt\build_amd64\src\Wt_js.C(34,3): error C2026: string too big, trailing characters truncated [F:\gitP\emweb\wt\build_amd64\src\wt.vcxproj]			
Expected Behaviour			
build successfully.			
version info			
OS Version: windows server 2019 VS version: VS2019 (16.11.18) the commit of Wt we use is 0a2ea66			
Repro steps			
1. git clone https://github.com/emweb/wt F:\gitP\emweb\wt 2. set VSCMD_SKIP_SENDTELEMETRY=1 & "C:\Program Files (x86)\Microsoft Visual Studio\2019\Enterprise\Common7\Tools\VsDevCmd.bat" -host_arch=amd64 -arch=amd64 3. xcopy F:\tools\Boost\Patch\boost_1_67_0\x64\boost\iostream\Changed\lpos.hpp F:\gitP\emweb\wt.\boost_1_67_0\x64\boost\iostreams\detail\config /k/r/i/c/f/y 4. mkdir F:\gitP\emweb\wt\build_amd64 and cd F:\gitP\emweb\wt\build_amd64 5. cmake -G "Visual Studio 16 2019" -A x64 -DCMAKE_SYSTEM_VERSION=10.0.18362.0 -DBOOST_PREFIX=F:\gitP\emweb\wt.\boost_1_67_0\x64 -DBOOST_LIBRARYDIR=F:\gitP\emweb\wt.\boost_1_67_0\x64\lib64-msvc-14.1 .. 2>&1 6. msbuild /m /p:Platform=x64 /p:Configuration=Release ALL_BUILD.vcxproj /t:Rebuild 2>&1			
Related issues:			
Related to Bug #11006: filetostring.cmake generates file literals that exceed...		Resolved	10/13/2022

History

#1 - 09/15/2022 04:08 PM - Roel Standaert

- Status changed from New to InProgress
- Assignee set to Roel Standaert
- Target version set to 4.9.0

It appears that our new minifier (terser) doesn't insert quite as many newlines as our old one (an old Google closure compiler version), and our filetostring CMake script starts a new string literal at every newline. This means that we're running into MSVC's maximum for string literal sizes: <https://docs.microsoft.com/en-us/cpp/error-messages/compiler-errors-1/compiler-error-c2026>.

#2 - 09/15/2022 05:27 PM - Roel Standaert

- Status changed from InProgress to Review
- Assignee deleted (Roel Standaert)

#3 - 09/20/2022 09:36 AM - Roel Standaert

- Priority changed from Normal to High

#4 - 09/27/2022 10:55 AM - Roel Standaert

- Assignee set to Korneel Dumon

#5 - 09/28/2022 09:44 AM - Roel Standaert

- Status changed from Review to Implemented @Emweb
- Assignee changed from Korneel Dumon to Roel Standaert
- % Done changed from 0 to 100

#6 - 10/06/2022 10:24 AM - Roel Standaert

- Status changed from Implemented @Emweb to Resolved

#7 - 10/13/2022 11:20 AM - Roel Standaert

- Related to Bug #11006: filetostring.cmake generates file literals that exceed the minimum maximum string literal length added

Files

build (7).log	282 KB	09/14/2022	mi niMo
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