Wt - Bug #3530

3.3.3 doesn't compile on boost 1.56

08/15/2014 03:27 AM - Sven-Hendrik Haase

Status:	Closed		**Start date:**	08/15/2014
Priority:	Normal		**Due date:**	
Assignee:	Wim Dumon		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	3.3.4			

Description
I won't post any specific errors here as they are reproducible in 100% of the cases. Basically just try to compile wt on the newest boost, 1.56.

History

#1 - 08/15/2014 03:05 PM - Sven-Hendrik Haase

For note: git version also doesn't compile.

#2 - 08/15/2014 05:47 PM - Wim Dumon

- Status changed from New to Feedback

What platform/compiler/error/...?

Wim.

#3 - 08/15/2014 05:52 PM - Sven-Hendrik Haase

I'm pretty sure you could reproduce the error however you'd like as it is a boost 1.56 problem. However, for the record I'm using Arch Linux and it fails on gcc 4.9.1 and clang 3.4.2.

gcc log: https://drive.google.com/open?id=0BxsvHVm7imYuZGg4N2xqOEp2QU0&authuser=0

clang log: https://drive.google.com/file/d/0BxsvHVm7imYueHM5VG9sd2hlZFE/edit?usp=sharing

This is only the first file it stops at. You would have to investigate yourself to get all the errors. This error along is 488K. Pretty sure you can reproduce this 100% of the time on any platform with any modern compiler as long as you use wt from git and boost 1.56.

Probably the problem is with phoenix 3.

#4 - 08/15/2014 06:17 PM - Sven-Hendrik Haase

A user on reddit has something to advise here:
http://www.reddit.com/r/cpp/comments/2dledw/i_just_produced_a_single_488k_boost_error_any/cjqyiea

#5 - 08/16/2014 07:42 PM - Rathnadhar K V

Namasthe,

I could not even compile on Boost 1.55.

I think its struck to Boost 1.53

Regards

Rathna

#6 - 08/16/2014 08:16 PM - Sven-Hendrik Haase

- File boost.patch added

I made a patch.

#7 - 08/16/2014 08:18 PM - Sven-Hendrik Haase

Note about my patch: I don't think it's necessary to check against boost version as phoenix v3 has been in boost for at least 2 years so even older

distros should have that. I'm not sure we need to force spirit to use it on older boost versions, though. At any rate, forcing it is trivial.

#8 - 08/20/2014 03:25 PM - Wim Dumon

- Status changed from Feedback to Resolved

Hi,

1.56 on windows didn't need this fix to compile, that's where the first confusion came from. I added the fix with version check, thank you for the patch.

Best regards,

Wim.

#9 - 09/08/2014 10:13 AM - Boris Savelev

Hello!

I have another problem in wt/src/Wt/Json/Parser.C

it have #include <boost/spirit/home/phoenix/statement/throw.hpp>

but boost 1.56 haven't this file. fix it with:

#include <boost/phoenix/statement/throw.hpp> for boost 1.56

PS:

wt/src $ rgrep -l boost/spirit/home/phoenix/statement/throw.hpp

Wt/Dbo/SqlQueryParse.C

Wt/Json/Parser.C

#10 - 09/08/2014 02:24 PM - Wim Dumon

Hi,

Thank you for the report. I believe this was already patched in the latest git version of Wt.

Wim.

#11 - 10/14/2014 08:58 PM - Koen Deforche

- Assignee set to Wim Dumon

- Target version set to 3.3.4

#12 - 10/22/2014 02:28 AM - Koen Deforche

- Status changed from Resolved to Closed

Files

boost.patch	487 Bytes	08/16/2014	Sven-Hendrik Haase