

GROMACS - Feature #2116

Intel compilers 16 + gcc 5 incompatibility

02/07/2017 05:34 PM - Szilárd Páll

Status:	Closed
Priority:	Normal
Assignee:	
Category:	build system
Target version:	2018
Difficulty:	simple
Description	
It seems that Intel Compilers 16.0 previous to Update 3 are not compatible with gcc 5. Given that this gcc release is a rather popular one, we might want to add a early build-system check to shield users from the compile-time errors.	
Description of the issue is here: https://software.intel.com/en-us/forums/intel-c-compiler/topic/591174	

Associated revisions

Revision 9ba0cb8e - 10/13/2017 02:43 PM - Mark Abraham

Update tests for C++11 compiler and standard library

We've started using some more features, so broaden the range of things for which we check at cmake time.

Also made an explicit error message for older icc that can't handle newer gcc standard libraries, since this might come up a few times.

Fixes #2116

Change-Id: I3656edb3f7e6f81bbf6ed3ed764bcac56802f87f

History

#1 - 02/08/2017 02:36 AM - Mark Abraham

Insulating users from this kind of thing is one of the reasons we already check that the standard library works, after we check that the C++ compiler works. (But we can probably find some new things to go in that test.) I imagine it catches this case. (I remember noting that icc 17 worked with gcc 5 when I installed it some time...)

We don't really have a way to tell the version of gcc from which the user is getting the stdlib, so the only thing I can suggest is that when that test fails with icc before 16.0.3, we recommend 16.0.3+, or to use their icc with an earlier version of gcc (but still 4.8.1+)

#2 - 02/09/2017 11:58 AM - Gerrit Code Review Bot

Gerrit received a related patchset '1' for Issue [#2116](#).

Uploader: Mark Abraham (mark.j.abraham@gmail.com)

Change-Id: gromacs~master~I3656edb3f7e6f81bbf6ed3ed764bcac56802f87f

Gerrit URL: <https://gerrit.gromacs.org/6463>

#3 - 10/15/2017 09:56 PM - Mark Abraham

- Status changed from New to Resolved

Applied in changeset [9ba0cb8efba7c838d49d6c958c85463250ffaef3](#).

#4 - 10/16/2017 08:14 AM - Mark Abraham

- Target version set to 2018

#5 - 10/30/2017 05:12 PM - Mark Abraham

- Status changed from Resolved to Closed