Fix warnings ignored by Jenkins

We have a couple of warnings which are ignored by Jenkins. That makes the output harder to read and sometimes the parser does show it as warning.

1) cl : Command line warning D9002 : ignoring unknown option `-msse2`
This is caused by the fact that gmx_find_cflag_for_source in cmake/gmxFindFlagsForSource.cmake isn't checking for warnings when checking for the flags. We could use CheckCCompilerFlag.cmake which does check for warnings to fix this. Or is this done on purpose? Alternative we could also simply not add flags for x86-64 on Windows. Or we could disable the D9002 warning.

2) command line remark #10010: option `/GX` is deprecated and will be removed in a future release. See `/help deprecated` Cause by cmake prior to 2.8.9. Workaround was removed by commit b2074da10d30de. We could either undo the commit, suppress the warning or use a newer cmake version for ICC on Windows.

3) direct access in [] to global weak symbo [] means the weak symbol cannot be overridden at runtime.
I don't really understand why we get that warning.

Related issues:
Related to GROMACS - Bug #1461: CMake SIMD tests may add compiler flags that ...
Has duplicate GROMACS - Bug #1535: osx C++ symbol visibility warnings

Associated revisions
Revision bc49850a - 08/18/2014 02:39 AM - Roland Schulz
Add Intel command line warning
Fixes that build was printing a warning for scanner.cpp.
Related to #1483
Change-Id: l8a30fce82ab7ef0bfe735630b1ce4d9bb636b96d

History
#1 - 04/17/2014 08:48 AM - Teemu Murtola
- Related to Bug #1461: CMake SIMD tests may add compiler flags that cause warnings added

#2 - 06/22/2014 08:31 AM - Erik Lindahl
(1) has been fixed in #1461.
(2) Agree that updating our windows version is better than cluttering our CMake files with workarounds.
Can't help with (3) :-)

#3 - 06/24/2014 11:43 AM - Teemu Murtola
Which Jenkins configuration has 3)? I have some ideas of what could be the cause, and it's a bit hard to find them in Jenkins (which is the only environment where I could test the fixes).

#4 - 06/24/2014 05:50 PM - Roland Schulz
3 is Intel on Mac.

#5 - 06/27/2014 08:37 PM - Teemu Murtola
- Has duplicate Bug #1535: osx C++ symbol visibility warnings added

#6 - 07/15/2014 05:21 PM - Teemu Murtola
- Category set to build system
- Target version set to 5.0

The first should now be fixed. The second should only require a change in Jenkins, not in the code. The third could be handled in the linked separate issue. So I propose this is closed after the second is done.

Set the target version based on where the code changes for the first issue were done.

#7 - 08/10/2014 08:15 PM - Roland Schulz
2 has been fixed. Stefan updated cmake.

#8 - 08/17/2014 11:06 PM - Mark Abraham
- Target version changed from 5.0 to 5.x

#9 - 08/18/2014 02:40 AM - Gerrit Code Review Bot
Gerrit received a related patchset '1' for Issue #1483.
Uploader: Roland Schulz (rolandi@rschulz.eu)
Change-id: I8a30fce62ab7ef0bfe735630b1ce4d9bb636b36d
Gerrit URL: https://gerrit.gromacs.org/3904

#10 - 08/18/2014 02:42 AM - Roland Schulz
- Status changed from New to Closed

Stefan updated cmake and ICC to resolve 2 and 3.

#11 - 07/11/2016 07:48 PM - Mark Abraham
- Target version deleted (5.x)