

GROMACS - Bug #1736

regressiontest check target's dependency on gmh is broken

05/15/2015 04:23 PM - Szilárd Páll

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|---------------------------------------|---------------|----------------------------------|
| Status: | Closed | |
| Priority: | Normal | |
| Assignee: | Teemu Murtola | |
| Category: | build system | |
| Target version: | 5.1 | |
| Affected version - extra info: | master | Difficulty: uncategorized |
| Affected version: | 5.0.5 | |

Description

Doing a parallel make check results in the regressiontests getting executed before the build is done. Moreover the tests are reported to succeed which is obviously incorrect:

```
$ cmake [...]
$ make check -j8
Scanning dependencies of target git-version-info
Scanning dependencies of target mdrun_objlib
Scanning dependencies of target view_objlib
[ 0%] [ 0%] Built target tests
Generating git version information
[ 0%] Building CXX object src/programs/CMakeFiles/view_objlib.dir/view/view.cpp.o
[ 0%] Running all tests
Test project /tmp/gromacs/build
[ 0%] [ 0%] Start 1: regressiontests/simple
[ 0%] [ 0%] Building C object src/programs/CMakeFiles/mdrun_objlib.dir/mdrun/membed.c.o
Building CXX object src/programs/CMakeFiles/mdrun_objlib.dir/mdrun/repl_ex.cpp.o
Building CXX object src/programs/CMakeFiles/mdrun_objlib.dir/mdrun/mdrun.cpp.o
[ 0%] Building CXX object src/programs/CMakeFiles/mdrun_objlib.dir/mdrun/runner.cpp.o
Building CXX object src/programs/CMakeFiles/mdrun_objlib.dir/mdrun/md.cpp.o
[ 0%] Built target view_objlib
1/6 Test #1: regressiontests/simple ..... Passed 0.07 sec
Start 2: regressiontests/complex
2/6 Test #2: regressiontests/complex ..... Passed 0.21 sec
Start 3: regressiontests/kernel
3/6 Test #3: regressiontests/kernel ..... Passed 0.16 sec
Start 4: regressiontests/freeenergy
4/6 Test #4: regressiontests/freeenergy ..... Passed 0.03 sec
Start 5: regressiontests/pdb2gmh
5/6 Test #5: regressiontests/pdb2gmh ..... Passed 0.08 sec
Start 6: regressiontests/rotation
6/6 Test #6: regressiontests/rotation ..... Passed 0.03 sec

100% tests passed, 0 tests failed out of 6

Total Test time (real) = 0.59 sec
[ 0%] Built target run-ctest
[ 0%] Unit tests disabled
NOTE: Unit tests have not been run. You need to set GMX_BUILD_UNITTESTS=ON if you want to build and run them.
[ 0%] Built target unittests-notice
[ 0%] Built target git-version-info
[ 0%] Built target mdrun_objlib
[ 0%] [ 0%] [ 0%] [ 1%] [ 1%] [ 1%] Building NVCC (Device) object src/gromacs/CMakeFiles/libgromacs.dir/gmxmlib/cuda_tools/./libgromacs_generated_cudautils.cu.o
[...]
```

Associated revisions

Revision cbd598bc - 05/20/2015 12:40 PM - Teemu Murtola

Fix dependencies for regression test custom target

The gmx binary is a prerequisite for running the regression tests through ctest; this happens in the internal 'run-ctest' target, not in the top-level 'check' target. Fix the dependency.

Fixes #1736.

Change-Id: Ie18aeeb9d8b3619e1d1890848c02e6a523266653

History

#1 - 05/15/2015 05:13 PM - Mark Abraham

- Status changed from New to Accepted

I think the issue is in tests/CMakeLists.txt

```
add_custom_target(gmxtests DEPENDS gmx)
```

which only works if gmx is a dependency created in this directory(=CMakeLists.txt). So if this ever worked, it's probably been broken since somebody moved it to the tests dir.

#2 - 05/15/2015 05:39 PM - Gerrit Code Review Bot

Gerrit received a related patchset '2' for Issue [#1736](#).

Uploader: Teemu Murtola (teemu.murtola@gmail.com)

Change-Id: Ie18aeeb9d8b3619e1d1890848c02e6a523266653

Gerrit URL: <https://gerrit.gromacs.org/4579>

#3 - 05/15/2015 05:42 PM - Teemu Murtola

- Status changed from Accepted to Fix uploaded

- Assignee set to Teemu Murtola

- Target version set to 5.1

Was (probably) already fixed by a commit waiting for review in Gerrit. This only affects the case where you directly do make check without running make first.

#4 - 05/20/2015 01:38 PM - Teemu Murtola

- Status changed from Fix uploaded to Resolved

The fix is merged to master. At least the symptoms of the bug fixed there match this issue, but if you want to be extra sure, please test.

#5 - 05/20/2015 05:05 PM - Szilárd Páll

- Status changed from Resolved to Closed

Tested, works as expected. Thanks!