GROMACS - Feature #2072

target hardware description is silent about the result

11/08/2016 06:34 PM - Mark Abraham

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Low</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Mark Abraham</td>
</tr>
<tr>
<td>Category:</td>
<td>build system</td>
</tr>
<tr>
<td>Target version:</td>
<td>2019</td>
</tr>
<tr>
<td>Difficulty:</td>
<td>simple</td>
</tr>
</tbody>
</table>

Description
Currently cmake/gmxDetectTargetArchitecture.cmake is silent about its results, which makes it difficult to know what the result was, e.g. in places that build with strange platforms, like Debian and Fedora build farms. Raised at https://gerrit.gromacs.org/#/c/6321/

We should write a single line status message to cmake output when we detect the identity of the target, and a single line when we have not detected any target.

Related issues:
Related to GROMACS - Task #1907: keeping compile- and run-time CPU/arch detect...  Accepted

Associated revisions
Revision c3a53d77 - 11/08/2016 09:01 PM - Dan Horák
Fix x86 conditional
The CpuInfoTest.SupportLevel testcase fails on s390x because wrong condition in src/gromacs/hardware/tests/cpuinfo.cpp is used. Fixed this by setting GMX_TARGET_X86 to 0 or 1 in all cases, both for GROMACS CMake detection and GROMACS build.

Fixes: https://bugzilla.redhat.com/show_bug.cgi?id=1390149
Refs #2072
Change-Id: Id50fd65c6228a25f2bb2eca684d680a2b34d2263

History
#1 - 11/08/2016 09:00 PM - Gerrit Code Review Bot
Gerrit received a related patchset '2' for Issue #2072.
Uploader: Mark Abraham (mark.j.abraham@gmail.com)
Change-Id: Id50fd65c6228a25f2bb2eca684d680a2b34d2263
Gerrit URL: https://gerrit.gromacs.org/6321

#2 - 11/09/2016 12:18 AM - Szilárd Páll
- Related to Task #1907: keeping compile- and run-time CPU/arch detection consistent added

#3 - 04/23/2017 12:11 PM - Mark Abraham
- Target version changed from 2018 to 2019

#4 - 10/03/2018 09:38 PM - Mark Abraham
- Status changed from New to Resolved

#5 - 10/03/2018 09:38 PM - Mark Abraham
- Status changed from Resolved to Closed