### GROMACS - Bug #2591

Log reports incorrect version of hwloc

07/28/2018 08:34 PM - Kevin Boyd

<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>Kevin Boyd</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td>2018.3</td>
</tr>
<tr>
<td>Affected version - extra info:</td>
<td>Affects all versions</td>
</tr>
<tr>
<td>Affected version:</td>
<td>2018.2</td>
</tr>
<tr>
<td>Difficulty:</td>
<td>uncategorized</td>
</tr>
</tbody>
</table>

**Description**

The reported hwloc versions in the log and "gmx --version" are sometimes older than the version installed. This seems to be because the `HWLOC_API_VERSION` defined in `hwloc.c` is only updated when there's a change to the API.

For example, hwloc 2.0.1 shows up as hwloc 2.0.0, hwloc 1.11.10 shows as 1.11.6

**Associated revisions**

Revision ef6399c6 - 07/31/2018 04:29 AM - Kevin Boyd

Report up to date hwloc version information

The hwloc version in gmx --version and log files had been taken from `HWLOC_API_VERSION` in the hwloc header, which is not always updated to reflect new releases.

Added `HWLOC_VERSION` to buildinfo.h from cmake, used in place of `HWLOC_API_VERSION`

Fixes #2591

Change-Id: I0ed9f1f1ad9b4262fbb966c03c407ebb1edfc3da

**History**

#1 - 07/30/2018 11:48 AM - Szilárd Páll

This must be present in previous versions too, not only 2019, right? I assume there is an actual hwloc release version available, not just API version?

#2 - 07/30/2018 01:05 PM - Kevin Boyd

- Affected version - extra info set to Affects all versions

#3 - 07/30/2018 01:05 PM - Kevin Boyd

Szilárd Páll wrote:

This must be present in previous versions too, not only 2019, right? I assume there is an actual hwloc release version available, not just API version?

That's correct. Updated the description.

#4 - 07/30/2018 01:47 PM - Kevin Boyd

Would a reasonable workaround be to have cmake print the found version to config.h and use that?

#5 - 07/30/2018 09:52 PM - Mark Abraham

Kevin Boyd wrote:

Would a reasonable workaround be to have cmake print the found version to config.h and use that?

src/buildinfo.h.cmakein is a better place. However we can get a version number from the hwloc found by cmake can populate a cmake variable (which
might be cache variable only if necessary), that configure_file() will then put into $builddir/src/buildinfo.h

#6 - 07/31/2018 01:52 AM - Kevin Boyd
- Assignee set to Kevin Boyd
- Target version set to 2018.3
- Affected version changed from 2019 to 2018.2

#7 - 07/31/2018 04:33 AM - Gerrit Code Review Bot
Gerrit received a related patchset ‘1’ for Issue #2591.
Uploader: Kevin Boyd (kevin.boyd@uconn.edu)
Change-id: gromacs-release-2018-10ed9f11ad9b4262fbb966c03c407eeb1edfc3da
Gerrit URL: https://gerrit.gromacs.org/8120

#8 - 08/01/2018 06:30 PM - Kevin Boyd
- Status changed from New to Resolved

Applied in changeset ef6399c64a2b7523153a6a78135669f41280b57

#9 - 08/13/2018 04:20 PM - Paul Bauer
- Status changed from Resolved to Closed