

## GROMACS - Bug #2460

### Allow inclusion of user libraries through CMake cache variables

03/20/2018 06:23 PM - Michael Quevillon

<b>Status:</b>	New	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	build system	
<b>Target version:</b>		
<b>Affected version - extra info:</b>	all versions	<b>Difficulty:</b> simple
<b>Affected version:</b>	2018	

#### Description

In the current method of initializing the `GMX_*_LIBRARIES` variables in the main `CMakeLists.txt`, the `set()` command will ignore cache variables of the same name. Since `GMX_EXTRA_LIBRARIES`, `GMX_COMMON_LIBRARIES`, and `GMX_PUBLIC_LIBRARIES` are initialized to "" with a local `set()` command, any customization of the libraries through cache variables or compilation flags (e.g. `-DGMX_COMMON_LIBRARIES=library.so`) is ignored.

By simply initializing the variables to their "original" values (even if nonexistent) will still allow for appending later, without ignoring cache variables.(e.g. `set(GMX_EXTRA_LIBRARIES "${GMX_EXTRA_VARIABLES}")`)

#### History

##### #1 - 03/20/2018 10:48 PM - Mark Abraham

- Target version deleted (2018.1)

- Affected version - extra info set to all versions

Yes, I'm sure there's various ways to improve that.

If you'd like to propose a patch, you'd be very welcome to do so at <https://gerrit.gromacs.org> (instructions here [http://www.gromacs.org/Developer\\_Zone/Git/Gerrit](http://www.gromacs.org/Developer_Zone/Git/Gerrit))

##### #2 - 03/28/2018 08:47 PM - Gerrit Code Review Bot

Gerrit received a related patchset '2' for Issue [#2460](#).

Uploader: Michael Quevillon ([mquevill@nd.edu](mailto:mquevill@nd.edu))

Change-Id: gromacs~master~1061fe0348557c3307749a6820226df2cd756a78a

Gerrit URL: <https://gerrit.gromacs.org/7708>