

## GROMACS - Feature #2126

### implement native CUDA support in CMake

02/17/2017 03:47 PM - Szilárd Páll

|   |              |                        |
|---|--------------|------------------------|
| <b>Status:</b>  | New          |                        |
| <b>Priority:</b>  | Normal       |                        |
| <b>Assignee:</b>  |              |                        |
| <b>Category:</b>  | build system |                        |
| <b>Target version:</b>  |              |                        |
| <b>Difficulty:</b>  | simple       |                        |
| <b>Description</b>  |              |                        |
| CMake 3.8 (rc1 released at the time of writing) implements native CUDA support:<br><a href="https://cmake.org/cmake/help/v3.8/release/3.8.html">https://cmake.org/cmake/help/v3.8/release/3.8.html</a>  |              |                        |
| Support for this together with backward-compatibility was implemented by <a href="https://github.com/robertmaynard/gromacs/commit/6691d46e2c0b9885175897ca2cd59ee81ba30fc6">Robert Maynard</a><br><a href="https://github.com/robertmaynard/gromacs/commit/6691d46e2c0b9885175897ca2cd59ee81ba30fc6">https://github.com/robertmaynard/gromacs/commit/6691d46e2c0b9885175897ca2cd59ee81ba30fc6</a> |              |                        |
| <b>Related issues:</b>  |              |                        |
| Related to GROMACS - Feature #2259: clang CUDA compilation  |              | <b>Closed</b>          |
| Related to GROMACS - Bug #2390: GROMACS build system should check for valid n...  |              | <b>Feedback wanted</b> |
| Related to GROMACS - Task #2505: increase cmake requirement for GROMACS 2020  |              | <b>Closed</b>          |

#### History

##### #1 - 03/05/2018 01:31 PM - Mark Abraham

- Related to Feature #2259: clang CUDA compilation added

##### #2 - 03/05/2018 01:34 PM - Mark Abraham

- Related to Bug #2390: GROMACS build system should check for valid nvcc flags before use added

##### #3 - 05/18/2018 02:55 PM - Mark Abraham

- Related to Task #2505: increase cmake requirement for GROMACS 2020 added

##### #4 - 01/14/2019 10:09 AM - Mark Abraham

- Parent task set to #2831

##### #5 - 10/29/2019 05:40 PM - Paul Bauer

- Target version set to 2020-rc1

- Parent task deleted (#2831)

removed parent task and set individual target

##### #6 - 10/29/2019 09:03 PM - Szilárd Páll

- Target version deleted (2020-rc1)

Not going to happen in 2020.