**Gromacs - Bug #1051**

**Cuda host compiler with CMake 2.8.10.1**

11/30/2012 06:55 AM - Roland Schulz

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Szilárd Páll</td>
</tr>
<tr>
<td>Category:</td>
<td>build system</td>
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<tr>
<td>Target version:</td>
<td>4.6</td>
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<tr>
<td>Affected version</td>
<td>4.6-beta1</td>
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**Description**

Cmake 2.8.10.1 added a new option CUDA_HOST_COMPILER, but we specify ccbin directly in gmxManageNvccConfig.cmake, resulting in "nvcc fatal : redefinition of argument 'compiler-bindir'"

We probably should use CUDA_HOST_COMPILER for >=2.8.10 and only use the existing method for older versions.


Email thread: [http://lists.gromacs.org/pipermail/gmx-users/2012-November/076758.html](http://lists.gromacs.org/pipermail/gmx-users/2012-November/076758.html)

**Associated revisions**

Revision 9765be25 - 12/05/2012 03:38 AM - Szilárd Páll

Don't auto-set nvcc host compiler with cmake >2.8.9

Starting with CMake 2.8.10 the FindCUDA module set sets the nvcc host compiler by default which clashes with our internal implementation of the same feature. To support both pre-2.8.10 and later versions, this change renames the CUDA_NVCC_HOST_COMPILER cache variable to CUDA_HOST_COMPILER (used by CMake 2.8.10's FindCUDA) and avoids adding the -ccbin option to the nvcc flags with CMake 2.8.10 and later.

Fixes #1051

Change-Id: l4d4048d520ed866558b88bbae35f97df76a25910

**History**

#1 - 01/07/2013 02:15 PM - Mark Abraham

- Status changed from New to Closed

11/25/2015

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