Dear all,

We have a GPU workstation populated with four C2075 cards. I have previously installed and used Gromacs-5.04 without any problem. But when I tried to install Gromacs-5.1 version, "make" command is terminating with the following error:

```
/home/dynamix/Downloads/gromacs-5.1/src/gromacs/gmxlib/gpu_utils/gpu_utils.cu(360): error: identifier "NVML_RESTRICTED_API_SET_APPLICATION_CLOCKS" is undefined
/home/dynamix/Downloads/gromacs-5.1/src/gromacs/gmxlib/gpu_utils/gpu_utils.cu(360): error: identifier "nvmlDeviceGetAPIRestriction" is undefined
2 errors detected in the compilation of "/tmp/tmpxft_00002f84_00000000-12_gpu_utils.compute_35.cpp 1.ii".
```

CMake Error at libgromacs_generated_gpu_utils.cu.o.cmake:266 (message):
Error generating file
```
/home/dynamix/Downloads/gromacs-5.1/build/src/gromacs/CMakeFiles/libgromacs.dir/gmxlib/gpu_utils..
/home/dynamix/Downloads/gromacs-5.1/build/src/gromacs/CMakeFiles/libgromacs.dir/gmxlib/gpu_utils.
make[2]: *** [src/gromacs/CMakeFiles/libgromacs.dir/gmxlib/gpu_utils/libgromacs_generated_gpu_utils.cu.o] Error 1
make[2]: *** Waiting for unfinished jobs....
make[1]: *** [src/gromacs/CMakeFiles/libgromacs.dir/all] Error 2
make: *** [all] Error 2
```

Thanks for your concern

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**Related issues:**

- Related to GROMACS - Bug #1835: NVML support can't be disabled in the build s... Closed

**Associated revisions**

- Revision 89977037 - 10/24/2015 03:18 PM - Szilárd Páll

  Avoid using incompatible NVML version

  This change introduces a check on the NVML API version in order to avoid compilation issues when old driver/NVML versions are picked up.

  Moved macro handling NVML errors to the only file they are issued.

  Made the requirement for including nvml.h in gpu_utils.cu explicit.

  Refactored handling of clock support so that we don't have to compile three different ways merely to detect syntax errors.

  Fixes #1838

  Change-Id: Ibb7a9f7cc80aa9e9476a455d0b6192451a038088

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02/21/2020
Subject changed from Error in gromacs-5.1 installation to Error building gromacs-5.1 with NVML support
- Description updated
- Assignee deleted (Szilárd Páll)

Related to Bug #1835: NVML support can't be disabled in the build system added

What CUDA driver version are you using?

Gerrit received a related patchset ‘2’ for Issue #1838.
Uploader: Szilárd Páll (pall.szilard@gmail.com)
Change-id: Ibb7a9f7cc80aa9e9476a455d0b6192451a038088
Gerrit URL: https://gerrit.gromacs.org/5190

Status changed from New to Fix uploaded

@Venkat Reddy: Could you please check whether the above patch fixes your issue?

Applied in changeset 89977037411f18f7f2f2021f6ab62586bca50049d.

Status changed from Resolved to Closed

Files
CMakeCache.txt 62.9 KB 10/05/2015  Venkat Reddy