
Subject: Error in PandaRoot_18p1 installation
Posted by [Peiyong Jiang](#) on Mon, 25 Feb 2019 13:38:21 GMT
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Dear colleagues,

I have problems with PandaRoot installation on my own pc.

system: linux mint 18.3
gcc version 5.4.0 20160609 (Ubuntu 5.4.0-6ubuntu1~16.04.11)
Linux 4.14.10-041410-generic #201712291810 SMP Fri Dec 29 18:11:20 UTC 2017 x86_64
x86_64 x86_64 GNU/Linux

nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005-2015 NVIDIA Corporation
Built on Tue_Aug_11_14:27:32_CDT_2015
Cuda compilation tools, release 7.5, V7.5.17

Fairroot:Fairsoft_may18
Pandaroot:pandaroot_18p1

Using "make -j4" I got the problem:

```
-- Installing: /home/pjiang/pandaroot_18p1/buildPanda/lib/cmake/Vc/CheckCCompilerFlag.c
make
-- Installing: /home/pjiang/pandaroot_18p1/buildPanda/lib/cmake/Vc/CheckCXXCompilerFlag
.cmake
-- Up-to-date: /home/pjiang/pandaroot_18p1/buildPanda/lib/cmake/Vc/VcConfig.cmake
-- Up-to-date: /home/pjiang/pandaroot_18p1/buildPanda/lib/cmake/Vc/VcConfigVersion.cmak
e
-- Installing: /home/pjiang/pandaroot_18p1/buildPanda/lib/cmake/Vc/OptimizeForArchitect
ure.cmake
-- Installing: /home/pjiang/pandaroot_18p1/buildPanda/lib/cmake/Vc/FindVc.cmake
[ 36%] Completed 'vc'
[ 36%] Built target vc
Makefile:140: recipe for target 'all' failed
make: *** [all] Error 2
```

I check on forum and there is one similar problem as mine. I followed the advice to use "make" instead of "make -j4", and I got the new problem:

```
[ 83%] Building CXX object
tracking/SecondariesTracking/CMakeFiles/SecondariesTracking.dir/TrkData/
PndTrkSkewHitList.cxx.o
[ 83%] Building CXX object
tracking/SecondariesTracking/CMakeFiles/SecondariesTracking.dir/TrkData/
PndTrkNeighboringMap.cxx.o
[ 83%] Building CXX object
```

```

tracking/SecondariesTracking/CMakeFiles/SecondariesTracking.dir/TrkSecondary/PndTrkTrackFinder.cxx.o
[ 83%] Building CXX object
tracking/SecondariesTracking/CMakeFiles/SecondariesTracking.dir/TrkSecondary/PndTrkAddTCA.cxx.o
[ 83%] Building CXX object
tracking/SecondariesTracking/CMakeFiles/SecondariesTracking.dir/TrkSecondary/PndTrkGemCombiTask.cxx.o
[ 83%] Building CXX object
tracking/SecondariesTracking/CMakeFiles/SecondariesTracking.dir/G__SecondariesTrackingDict.cxx.o
[ 83%] Linking CXX shared library ../../lib/libSecondariesTracking.so
[ 83%] Built target SecondariesTracking
[ 83%] Building NVCC (Device) object
tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/PndSttCellTrackFinderCuda_generated_trackletGenerator.cu.o
/usr/include/string.h: In function 'void* __mempcpy_inline(void*, const void*, size_t)':
/usr/include/string.h:652:42: error: 'mempcpy' was not declared in this scope
    return (char *) mempcpy (__dest, __src, __n) + __n;
                           ^

```

CMake Error at
PndSttCellTrackFinderCuda_generated_trackletGenerator.cu.o.Debug.cmake:2 75 (message):
Error generating file
/home/pjiang/pandaroot_18p1/buildPanda/tracking/SttCellTrackFinder/cuda/
CMakeFiles/PndSttCellTrackFinderCuda.dir//PndSttCellTrackFinderCuda_generated_trackletGenerator.cu.o

```

tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/build.make:280: recipe for target
'tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/PndSttCellTrackFinderCuda_generated_trackletGenerator.cu.o' failed
make[2]: *** [tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/PndSttCellTrackFinderCuda_generated_trackletGenerator.cu.o] Error 1
CMakeFiles/Makefile2:4014: recipe for target
'tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/all' failed
make[1]: *** [tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/all] Error 2
Makefile:140: recipe for target 'all' failed
make: *** [all] Error 2

```

What would be the reason? and how to solve it?

Thank you in advance,
Peiyong

Subject: Re: Error in PandaRoot_18p1 installation
Posted by [Peiyong Jiang](#) on Tue, 26 Feb 2019 16:25:51 GMT
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The problem was solved under the help of Tobias.

I just remove cuda to let the pandaroot not find the cuda and gpu.
I did it before but I was failed. The right steps are : 1. remove cuda. 2. remove buildPanda folder and mkdir buildPanda then cd buildPanda 3. cmake ../ 4. make (I did try "make -j4".) The reason I was failed before was that I did not do item 2.

Thanks to Tobias.
