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Subject: Pandaroot compilation error on Ubuntu9.04  
Posted by [Dmitry Khaneft](#) on Fri, 29 May 2009 12:01:53 GMT  
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Dear all,

I try to compile pandaroot/trunk 5660 on Ubuntu9.04 but I have the following error during compilation.

Toggle Spoiler

[ 45%] Building CXX object mvd/CMakeFiles/Mvd.dir/MvdDAQ/PndMvdConvertApv.o

[ 45%] Building CXX object mvd/CMakeFiles/Mvd.dir/MvdDAQ/PndMvdConvertApvTask.o

[ 45%] Building CXX object mvd/CMakeFiles/Mvd.dir/MvdDict.o

Linking CXX shared library ../lib/libMvd.so

[ 45%] Built target Mvd

[ 45%] Generating MvdRecoDict.cxx, MvdRecoDict.h

\*\*\* buffer overflow detected \*\*\*: /home/dkhaneft/programs/fairsoft/tools/root/bin/rootcint terminated

=====  
Backtrace: =====

/lib/tls/i686/cmov/libc.so.6(\_\_fortify\_fail+0x48)[0x40983da8]

/lib/tls/i686/cmov/libc.so.6[0x40981eb0]

/lib/tls/i686/cmov/libc.so.6(\_\_strcpy\_chk+0x44)[0x40981184]

/home/dkhaneft/programs/fairsoft/tools/root/lib/libCint.so.5.20(\_ZN4Cint12G\_\_ClassInfo9TmplNameEv+0x5a)[0x4009ba5a]

/home/dkhaneft/programs/fairsoft/tools/root/bin/rootcint(\_ZN4ROOT4RStI14DropDefaultArgERKSs+0x50)[0x8070c10]

/home/dkhaneft/programs/fairsoft/tools/root/bin/rootcint(\_Z20WriteBodyShowMembersRN4Cint12G\_\_ClassInfoEb+0x27df)[0x80642ef]

/home/dkhaneft/programs/fairsoft/tools/root/bin/rootcint(\_Z16WriteShowMembersRN4Cint12G\_\_ClassInfoEb+0x598)[0x8064ae8]

/home/dkhaneft/programs/fairsoft/tools/root/bin/rootcint(\_Z14WriteClassCodeRN4Cint12G\_\_ClassInfoEb+0x1c8)[0x806b238]

/home/dkhaneft/programs/fairsoft/tools/root/bin/rootcint(main+0x3a31)[0x 806ed01]

/lib/tls/i686/cmov/libc.so.6(\_\_libc\_start\_main+0xe5)[0x4089c775]

/home/dkhaneft/programs/fairsoft/tools/root/bin/rootcint[0x804efa1]

=====  
Memory map: =====

08048000-0807e000 r-xp 00000000 08:0a 1476686

/home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/bin/rootcint

0807e000-0807f000 r--p 00035000 08:0a 1476686

/home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/bin/rootcint

0807f000-08080000 rw-p 00036000 08:0a 1476686

/home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/bin/rootcint

```

09318000-0970b000 rw-p 09318000 00:00 0      [heap]
40000000-4001c000 r-xp 00000000 08:09 456844  /lib/ld-2.9.so

4001c000-4001d000 r--p 0001b000 08:09 456844  /lib/ld-2.9.so
4001d000-4001e000 rw-p 0001c000 08:09 456844  /lib/ld-2.9.so

4001e000-4001f000 r-xp 4001e000 00:00 0      [vdso]
4001f000-40021000 rw-p 4001f000 00:00 0
40021000-40272000 r-xp 00000000 08:0a 1476552
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/lib/libCint.so.5.20

40272000-40273000 ---p 00251000 08:0a 1476552
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/lib/libCint.so.5.20

40273000-40275000 r--p 00251000 08:0a 1476552
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/lib/libCint.so.5.20

40275000-40278000 rw-p 00253000 08:0a 1476552
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/lib/libCint.so.5.20

40278000-4074b000 rw-p 40278000 00:00 0
4074b000-40759000 r-xp 00000000 08:0a 1847650
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/include/s tdfunc.so.5.20

40759000-4075a000 r--p 0000d000 08:0a 1847650
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/include/s tdfunc.so.5.20

4075a000-4075b000 rw-p 0000e000 08:0a 1847650
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/include/s tdfunc.so.5.20

4075b000-4075d000 rw-p 4075b000 00:00 0
4075d000-4075f000 r-xp 00000000 08:09 472738  /lib/tls/i686/cmov/libdl-2.9.so

4075f000-40760000 r--p 00001000 08:09 472738  /lib/tls/i686/cmov/libdl-2.9.so

40760000-40761000 rw-p 00002000 08:09 472738  /lib/tls/i686/cmov/libdl-2.9.so

40761000-40762000 rw-p 40761000 00:00 0
40762000-40846000 r-xp 00000000 08:09 245077  /usr/lib/libstdc++.so.6.0.10

40846000-4084a000 r--p 000e3000 08:09 245077  /usr/lib/libstdc++.so.6.0.10

4084a000-4084b000 rw-p 000e7000 08:09 245077  /usr/lib/libstdc++.so.6.0.10

4084b000-40851000 rw-p 4084b000 00:00 0
40851000-40875000 r-xp 00000000 08:09 472740  /lib/tls/i686/cmov/libm-2.9.so

40875000-40876000 r--p 00023000 08:09 472740  /lib/tls/i686/cmov/libm-2.9.so

40876000-40877000 rw-p 00024000 08:09 472740  /lib/tls/i686/cmov/libm-2.9.so

```

40877000-40884000 r-xp 00000000 08:09 456187 /lib/libgcc\_s.so.1  
 40884000-40885000 r--p 0000c000 08:09 456187 /lib/libgcc\_s.so.1  
 40885000-40886000 rw-p 0000d000 08:09 456187 /lib/libgcc\_s.so.1  
 40886000-409e2000 r-xp 00000000 08:09 472732 /lib/tls/i686/cmov/libc-2.9.so  
 409e2000-409e3000 ---p 0015c000 08:09 472732 /lib/tls/i686/cmov/libc-2.9.so  
 409e3000-409e5000 r--p 0015c000 08:09 472732 /lib/tls/i686/cmov/libc-2.9.so  
 409e5000-409e6000 rw-p 0015e000 08:09 472732 /lib/tls/i686/cmov/libc-2.9.so  
 409e6000-409ff000 rw-p 409e6000 00:00 0  
 409ff000-40b84000 r-xp 00000000 08:0a 1847601  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/vecto r.so.5.20  
 40b84000-40b85000 r--p 00184000 08:0a 1847601  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/vecto r.so.5.20  
 40b85000-40b89000 rw-p 00185000 08:0a 1847601  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/vecto r.so.5.20  
 40b89000-40b95000 r-xp 00000000 08:0a 1847604  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/vecto rbool.so.5.20  
 40b95000-40b96000 r--p 0000b000 08:0a 1847604  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/vecto rbool.so.5.20  
 40b96000-40b97000 rw-p 0000c000 08:0a 1847604  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/vecto rbool.so.5.20  
 40b97000-40bbd000 rw-p 40b97000 00:00 0  
 40bbd000-40c8e000 r-xp 00000000 08:0a 1847611  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/map.s o.5.20  
 40c8e000-40c8f000 r--p 000d0000 08:0a 1847611  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/map.s o.5.20  
 40c8f000-40c92000 rw-p 000d1000 08:0a 1847611  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/map.s o.5.20  
 40c92000-40d81000 r-xp 00000000 08:0a 1847616  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/map2. so.5.20  
 40d81000-40d82000 r--p 000ee000 08:0a 1847616  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/map2. so.5.20  
 40d82000-40d85000 rw-p 000ef000 08:0a 1847616  
 /home/dkhaneft/programs/fairsoft/tools/root\_v5.20.00/cint/cint/stl/map2. so.5.20

```
40d85000-40d89000 rw-p 40d85000 00:00 0
40d89000-40e2f000 r-xp 00000000 08:0a 1847620
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/stl/multi map.so.5.20

40e2f000-40e30000 r--p 000a5000 08:0a 1847620
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/stl/multi map.so.5.20

40e30000-40e32000 rw-p 000a6000 08:0a 1847620
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/stl/multi map.so.5.20

40e32000-40ee4000 r-xp 00000000 08:0a 1847623
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/stl/multi map2.so.5.20

40ee4000-40ee5000 r--p 000b1000 08:0a 1847623
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/stl/multi map2.so.5.20

40ee5000-40ee7000 rw-p 000b2000 08:0a 1847623
/home/dkhaneft/programs/fairsoft/tools/root_v5.20.00/cint/cint/stl/multi map2.so.5.20

40ee7000-40ee9000 rw-p 40ee7000 00:00 0
bfca7000-bfcf9000 rw-p bffae000 00:00 0      [stack]
Aborted
make[2]: *** [mvd/MvdRecoDict.cxx] Error 134
make[1]: *** [mvd/CMakeFiles/MvdReco.dir/all] Error 2
make: *** [all] Error 2
```

Do anyone have any ideas?

Best regards,  
Dmitry

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Subject: Re: Pandaroot compilation error on Ubuntu9.04  
Posted by [Ralf Kliemt](#) on Fri, 29 May 2009 12:39:10 GMT  
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Hello Dmitry,

Actually I encountered exactly that problem some weeks ago. Ubuntu comes with a compiler which has a problem with really long variable names. The point is that multiple maps and vectors expand at compiling time to long strings.

Have a look here .

Ciao, Ralf.

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Subject: Re: Pandaroot compilation error on Ubuntu9.04  
Posted by [Dmitry Khaneft](#) on Fri, 29 May 2009 15:05:15 GMT

Thanks Ralf,

unfortunately I was not so mindful to search it on the forum.

Best regards,  
Dmitry

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