Subject: Compilation: "buffer overflow detected"
Posted by Ralf Kliemt on Fri, 08 May 2009 09:08:48 GMT
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Hello,

Trying to install Pandaroot on an Ubuntu 8.10 system in Torino there are strange problems. Only the Mvd compilation is affected and there only the libMvdReco. The automatic backtracing points to rootcint:
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/laura/software/Panda/fairsoft/tools/root/bin/rootcint terminated
======= Backtrace: =========
/lib/tls/i686/cmov/libc.so.6(__fortify_fail+0x48)[0x409776d8]
/lib/tls/i686/cmov/libc.so.6[0x40975800]
/lib/tls/i686/cmov/libc.so.6(__strcpy_chk+0x44)[0x40974ad4]
  /home/laura/software/Panda/fairsoft/tools/root/lib/libCint.so.5.20(_ZN4Cint12G__ClassInfo9TmpltNameEv+0x5a)[0x40099a5a]
  /home/laura/software/Panda/fairsoft/tools/root/bin/rootcint(_ZN4ROOT4RStl14DropDefaultArgERKSs+0x50)[0x8070c10]
  /home/laura/software/Panda/fairsoft/tools/root/bin/rootcint(_Z20WriteBodyShowMembersRN4Cint12G__ClassInfoEb+0x27df)[0x80642ef]
  /home/laura/software/Panda/fairsoft/tools/root/bin/rootcint(_Z16WriteShowMembersRN4Cint12G__ClassInfoEb+0x598)[0x8064ae8]
  /home/laura/software/Panda/fairsoft/tools/root/bin/rootcint(_Z14WriteClassCodeRN4Cint12G__ClassInfoEb+0x1c8)[0x806b238]
  /home/laura/software/Panda/fairsoft/tools/root/bin/rootcint(main+0x3a31) [0x806ed01]
/lib/tls/i686/cmov/libc.so.6(__libc_start_main+0xe5)[0x40893685]
/home/laura/software/Panda/fairsoft/tools/root/bin/rootcint[0x804efa1]
======= Memory map: ========
08048000-0807e000 r-xp 00000000 08:06 393829
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/bin/rootcint
0807e000-0807f000 r--p 00035000 08:06 393829
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/bin/rootcint
0807f000-08080000 rw-p 00036000 08:06 393829
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/bin/rootcint
0877b000-08b6c000 rw-p 0877b000 00:00 0   [heap]
40000000-4001a000 r-xp 00000000 08:03 113803   /lib/ld-2.8.90.so
4001a000-4001b000 r-xp 4001a000 00:00 0   [vdso]
4001b000-4001c000 r--p 0001a000 08:03 113803   /lib/ld-2.8.90.so
4001c000-4001d000 rw-p 0001b000 08:03 113803   /lib/ld-2.8.90.so
4001d000-4001f000 rw-p 4001d000 00:00 0
4001f000-40270000 r-xp 00000000 08:06 409966
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/lib/libCint.so.5 .20

40270000-40271000 ---p 00251000 08:06 409966
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/lib/libCint.so.5 .20
40271000-40273000 r--p 00251000 08:06 409966
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/lib/libCint.so.5 .20
40273000-40276000 rw-p 00253000 08:06 409966
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/lib/libCint.so.5 .20
40276000-40755000 rw-p 40276000 00:00 0
40755000-40757000 r-xp 00000000 08:03 130903 /lib/tls/i686/cmov/libdl-2.8.90.so
40757000-40758000 r--p 00001000 08:03 130903 /lib/tls/i686/cmov/libdl-2.8.90.so
40758000-40759000 rw-p 00002000 08:03 130903 /lib/tls/i686/cmov/libdl-2.8.90.so
40759000-4083c000 r-xp 00000000 08:03 130935 /usr/lib/libstdc++.so.6.0.10
4083c000-40840000 r--p 000e3000 08:03 130935 /usr/lib/libstdc++.so.6.0.10
40840000-40841000 rw-p 000e7000 08:03 130935 /usr/lib/libstdc++.so.6.0.10
40841000-40848000 rw-p 40841000 00:00 0
40848000-4086c000 r-xp 00000000 08:03 130904 /lib/tls/i686/cmov/libm-2.8.90.so
4086c000-4086d000 r--p 00023000 08:03 130904 /lib/tls/i686/cmov/libm-2.8.90.so
4086d000-4086e000 rw-p 00024000 08:03 130904 /lib/tls/i686/cmov/libm-2.8.90.so
4086e000-4087b000 r-xp 00000000 08:03 113812 /lib/libgcc_s.so.1
4087b000-4087c000 r--p 0000c000 08:03 113812 /lib/libgcc_s.so.1
4087c000-4087d000 rw-p 0000d000 08:03 113812 /lib/libgcc_s.so.1
4087d000-409d5000 r-xp 00000000 08:03 130898 /lib/tls/i686/cmov/libc-2.8.90.so
409d5000-409d7000 r--p 00158000 08:03 130898 /lib/tls/i686/cmov/libc-2.8.90.so
409d7000-409d8000 rw-p 0015a000 08:03 130898 /lib/tls/i686/cmov/libc-2.8.90.so
409d8000-409dc000 rw-p 409d8000 00:00 0
409dc000-409ea000 r-xp 00000000 08:06 2720107
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/includ e/stdfunc.so.5.20
409ea000-409eb000 r--p 0000d000 08:06 2720107
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/includ e/stdfunc.so.5.20
409eb000-409ec000 rw-p 0000e000 08:06 2720107
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/includ e/stdfunc.so.5.20
409ec000-40a08000 rw-p 409ec000 00:00 0
40a08000-40ad9000 r-xp 00000000 08:06 2703531
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ma p.so.5.20
40ad9000-40ada000 r--p 000d0000 08:06 2703531
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ma p.so.5.20
40ada000-40add000 rw-p 000d1000 08:06 2703531
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ma p.so.5.20
40add000-40bcc000 r-xp 00000000 08:06 2703534
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ma p2.so.5.20
40bcc000-40bcd000 r--p 000ee000 08:06 2703534
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ma p2.so.5.20
40bcd000-40bd0000 rw-p 000ef000 08:06 2703534
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ma p2.so.5.20
40bd0000-40bd8000 rw-p 40bd0000 00:00 0
40bd8000-40c7e000 r-xp 00000000 08:06 2703540
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/mu ltimap.so.5.20
40c7e000-40c7f000 r--p 000a5000 08:06 2703540
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/mu ltimap.so.5.20
40c7f000-40c81000 rw-p 000a6000 08:06 2703540
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/mu ltimap.so.5.20
40c81000-40d33000 r-xp 00000000 08:06 2703543
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/mu ltimap2.so.5.20

40d33000-40d34000 r--p 000b1000 08:06 2703543
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/mu ltimap2.so.5.20
40d34000-40d36000 rw-p 000b2000 08:06 2703543
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/mu ltimap2.so.5.20
40d36000-40d37000 rw-p 40d36000 00:00 0
40d37000-40ebc000 r-xp 00000000 08:06 2703521
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ve ctor.so.5.20
40ebc000-40ebd000 r--p 00184000 08:06 2703521
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ve ctor.so.5.20
40ebd000-40ec1000 rw-p 00185000 08:06 2703521
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ve ctor.so.5.20
40ec1000-40ecd000 r-xp 00000000 08:06 2703524
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ve ctorbool.so.5.20
40ecd000-40ece000 r--p 0000b000 08:06 2703524
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ve ctorbool.so.5.20
40ece000-40ecf000 rw-p 0000c000 08:06 2703524
/home/laura/software/Panda/fairsoft/tools/root_v5.20.00/cint/cint/stl/ve ctorbool.so.5.20
40ecf000-40ed1000 rw-p 40ecf000 00:00 0
40ed1000-40ee0000 rw-p 40ed1000 00:00 0
bf833000-bf880000 rw-p bffb3000 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
laura@bender:~/software/Panda/build$
0848000 rw-p 40841000 00:00 0

To exclude many things this was done with a fresh installation of fairsoft and the trunk version 5454 of pandaroot.

When doing the make command a second time the rest of the project compiles, but the libMvdReco is screwed.

Has anybody of you encountered this "*** buffer overflow detected ***" message before?

Greetings, Ralf.