
Subject: [FIXED] Problems in compiling EvtGenDirect
Posted by [StefanoSpataro](#) on Fri, 24 May 2013 13:39:02 GMT

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Dear all,

I have troubles in compilation with my Mac. EvtGen does not compile due to some gfortran problem:

```
[ 45%] Built target EvtGen_exe_simpleEvtGenRO
[ 46%] Generating G__EvtGenDirectDict.cxx
Scanning dependencies of target EvtGenDirect
[ 46%] Building CXX object
pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/PndEvtGenDirect.cxx.o
[ 46%] Building CXX object
pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/G__EvtGenDirectDict.cxx.o
Linking CXX shared library ../../lib/libEvtGenDirect.so
ld: library not found for -lgfortran
clang: error: linker command failed with exit code 1 (use -v to see invocation)
make[2]: *** [lib/libEvtGenDirect.0.0.0.so] Error 1
make[1]: *** [pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/all] Error 2
make: *** [all] Error 2
```

Before the cmake updates everything was smooth. Could some mac expert take a look?

Subject: Re: Problems in compiling EvtGenDirect
Posted by [Florian Uhlig](#) on Fri, 24 May 2013 13:46:02 GMT

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Hi Stefano,

could you run

```
make VERBOSE=1
```

and post the last lines of the output to see the command which results in the error.

Ciao

Florian

Subject: Re: Problems in compiling EvtGenDirect
Posted by [StefanoSpataro](#) on Fri, 24 May 2013 13:56:20 GMT

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Sure!

```
[ 45%] Built target EvtGen_exe_simpleEvtGen
make -f pgenerators/EvtGen/CMakeFiles/EvtGen_exe_simpleEvtGenRO.dir/build.make
pgenerators/EvtGen/CMakeFiles/EvtGen_exe_simpleEvtGenRO.dir/depend
cd /Users/spataro/apr13/build && /Users/spataro/sep12/sep12build/bin/cmake -E
cmake_depends "Unix Makefiles" /Users/spataro/apr13/pandaroot
/Users/spataro/apr13/pandaroot/pgenerators/EvtGen /Users/spataro/apr13/build
/Users/spataro/apr13/build/pgenerators/EvtGen
/Users/spataro/apr13/build/pgenerators/EvtGen/CMakeFiles/EvtGen_exe_simpleEvtGenRO.dir
/DependInfo.cmake --color=
make -f pgenerators/EvtGen/CMakeFiles/EvtGen_exe_simpleEvtGenRO.dir/build.make
pgenerators/EvtGen/CMakeFiles/EvtGen_exe_simpleEvtGenRO.dir/build
make[2]: Nothing to be done for
`pgenerators/EvtGen/CMakeFiles/EvtGen_exe_simpleEvtGenRO.dir/build'.
/Users/spataro/sep12/sep12build/bin/cmake -E cmake_progress_report
/Users/spataro/apr13/build/CMakeFiles
[ 45%] Built target EvtGen_exe_simpleEvtGenRO
make -f pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/build.make
pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/depend
cd /Users/spataro/apr13/build && /Users/spataro/sep12/sep12build/bin/cmake -E
cmake_depends "Unix Makefiles" /Users/spataro/apr13/pandaroot
/Users/spataro/apr13/pandaroot/pgenerators/EvtGenDirect /Users/spataro/apr13/build
/Users/spataro/apr13/build/pgenerators/EvtGenDirect
/Users/spataro/apr13/build/pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/DependInf
o.cmake --color=
make -f pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/build.make
pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/build
Linking CXX shared library ../../lib/libEvtGenDirect.so
cd /Users/spataro/apr13/build/pgenerators/EvtGenDirect &&
/Users/spataro/sep12/sep12build/bin/cmake -E cmake_link_script
CMakeFiles/EvtGenDirect.dir/link.txt --verbose=1
/usr/bin/c++ -m64 -g -O2 -Wshadow -fno-inline -shared -flat_namespace -single_module
-undefined dynamic_lookup -o ../../lib/libEvtGenDirect.0.0.0.so -install_name
/Users/spataro/apr13/build/lib/libEvtGenDirect.0.so
CMakeFiles/EvtGenDirect.dir/PndEvtGenDirect.cxx.o
CMakeFiles/EvtGenDirect.dir/G__EvtGenDirectDict.cxx.o
-L/Users/spataro/apr13/apr13build/lib/root -L/Users/spataro/apr13/apr13build/lib
../../lib/libEvtGen.0.0.0.so -L/Users/spataro/apr13/apr13build/lib/root -IGui -ICore -ICint -IRIO
-INet -IHist -IGraf -IGraf3d -IGpad -ITree -IRint -IPostscript -IMatrix -IPhysics -IMathCore
-IThread -lpthread -lm -ldl -lPythia6 ../../lib/libPhotos.0.0.0.so -lgfortran
ld: library not found for -lgfortran
clang: error: linker command failed with exit code 1 (use -v to see invocation)
make[2]: *** [lib/libEvtGenDirect.0.0.0.so] Error 1
make[1]: *** [pgenerators/EvtGenDirect/CMakeFiles/EvtGenDirect.dir/all] Error 2
make: *** [all] Error 2
MacBook-Pro-di-Stefano:build spataro$
```

Subject: Re: Problems in compiling EvtGenDirect
Posted by [Andreas Pitka](#) on Fri, 24 May 2013 14:46:55 GMT
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Have you tried to remove the standalone executables of EvtGen(simpleEvtGenRO...) from the CMakeLists.txt?

The problem is somehow related to the fortran compiler, i experienced something similar when using the intel fortran compiler.

Just try to run make -i, which continues making after the errors.

If thats the only error only the standalone executables of EvtGen are not build, which are not needed to run pandaroot.

Subject: Re: Problems in compiling EvtGenDirect
Posted by [Florian Uhlig](#) on Fri, 24 May 2013 14:48:53 GMT
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Hi Stefano,

did you change anything in the build system?

Could you send me the CMakeLists.txt from pgenerators/EvtGenDirect.

Ciao

Florian

Subject: Re: Problems in compiling EvtGenDirect
Posted by [StefanoSpataro](#) on Fri, 24 May 2013 15:55:50 GMT
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Hi, of course I did not change files, everything sits in the pandaroot trunk.

Here the link to the file.

Subject: Re: Problems in compiling EvtGenDirect
Posted by [StefanoSpataro](#) on Thu, 04 Jul 2013 10:15:38 GMT
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Fixed in the old and in the new EvtGen packages.
