Subject: FairSoft not compiling due to gfortran problems in mac OS
Posted by Hector Alvarez Pol on Mon, 17 Apr 2017 09:28:52 GMT
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Hello everyone,

I have updated to macOS Sierra 10.12.4 (16E195) with XCode 8.3.1 (8E1000a).

Compiling FAIRSoft, either versions mar17 or present master, return with a problem compiling pythia6 (see the error at the
end of the message or the complete output in the uploaded file).
The same error appears to me compiling ROOT when gfortran is needed (I was able to compile ROOT with -Dfortran=OFF option).

I have tested both ROOT and FAIRSoft with gfortran from the gcc installed by homebrew:

gcc version 6.3.0 (Homebrew GCC 6.3.0_1)

and compiling directly gcc from the gnu source, after removing the homebrew gcc:

fpvieira:~ hapol$ gfortran -v
Usando especificaciones internas.
COLLECT_GCC=gfortran
COLLECT_LTO_WRAPPER=/usr/local/gcc-6.3.0/libexec/gcc/x86_64-apple-darwin16.5.0/6.3.0/lto-wrapper
Objetivo: x86_64-apple-darwin16.5.0
Configurado con: ../configure --prefix=/usr/local/gcc-6.3.0 --enable-checking=release --with-gmp=/usr/local/Cellar/gmp/ --with-mpfr=/usr/local/Cellar/mpfr/ --with-mpc=/usr/local/Cellar/libmpc/ --enable-languages=c,c++,fortran --with-isl=/usr/local/Cellar/isl/ --program-suffix=-6.3.0
Modelo de hilos: posix
gcc versión 6.3.0 (GCC)

both with the same (unsuccess) result.

Any idea?

Thank you for your support.

Regards,

Undefined symbols for architecture x86_64:
  "__gfortran_compare_string", referenced from:
      pyonof in pythia6416.f.o
      pyslha in pythia6416.f.o
      pytune in pythia6416.f.o
      pygive in pythia6416.f.o

pygive.constprop.10 in pythia6416.f.o
pyoper in pythia6416.f.o
"__gfortran_concat_string", referenced from:
pyplot in pythia6416.f.o
pyinbm in pythia6416.f.o
pylist in pythia6416.f.o
pybook in pythia6416.f.o
pyonof in pythia6416.f.o
pystat in pythia6416.f.o
pyinre in pythia6416.f.o
...
"__gfortran_pow_i4_i4", referenced from:
pyplot in pythia6416.f.o
pytabu in pythia6416.f.o
pymihk in pythia6416.f.o
"__gfortran_st_backspace", referenced from:
pyrget in pythia6416.f.o
pyrset in pythia6416.f.o
"__gfortran_st_close", referenced from:
pylhef in pythia6416.f.o
_tpythia6_close_fortran_file_ in tpythia6_called_from_cc.F.o
"__gfortran_st_open", referenced from:
_tpythia6_open_fortran_file_ in tpythia6_called_from_cc.F.o
"__gfortran_st_read", referenced from:
upevnt in pythia6416.f.o
pysugi in pythia6416.f.o
upinit in pythia6416.f.o
pyonof in pythia6416.f.o
pyslha in pythia6416.f.o
pygive in pythia6416.f.o
pygive.constprop.10 in pythia6416.f.o
...
"__gfortran_st_read_done", referenced from:
upevnt in pythia6416.f.o
pysugi in pythia6416.f.o
upinit in pythia6416.f.o
pyonof in pythia6416.f.o
pyslha in pythia6416.f.o
pygive in pythia6416.f.o
pygive.constprop.10 in pythia6416.f.o
...
"__gfortran_st_rewind", referenced from:
pyslha in pythia6416.f.o
pylhef in pythia6416.f.o
"__gfortran_st_write", referenced from:
pyxxz6 in pythia6416.f.o
pypile.part.0 in pythia6416.f.o
pyplot in pythia6416.f.o
pystop in pythia6416.f.o
pyckbd.part.2 in pythia6416.f.o
pyevwt in pythia6416.f.o
pykcut in pythia6416.f.o

...
"__gfortran_st_write_done", referenced from:
pyxxz6 in pythia6416.f.o
pypile.part.0 in pythia6416.f.o
pyplot in pythia6416.f.o
pystop in pythia6416.f.o
pyckbd.part.2 in pythia6416.f.o
pyevwt in pythia6416.f.o
pykcut in pythia6416.f.o
...
"__gfortran_stop_string", referenced from:
pystop in pythia6416.f.o
pyupev in pythia6416.f.o
"__gfortran_string_len_trim", referenced from:
upevnt in pythia6416.f.o
pyinbm in pythia6416.f.o
upinit in pythia6416.f.o
pylist in pythia6416.f.o
pyonof in pythia6416.f.o
pyinpr in pythia6416.f.o
pyslha in pythia6416.f.o
...
"__gfortran_transfer_array_write", referenced from:
pythrg in pythia6416.f.o
pymihk in pythia6416.f.o
"__gfortran_transfer_character", referenced from:
upevnt in pythia6416.f.o
upinit in pythia6416.f.o
pyslha in pythia6416.f.o
pylhef in pythia6416.f.o
pyupda in pythia6416.f.o
pydump in pythia6416.f.o
"__gfortran_transfer_character_write", referenced from:
pyxxz6 in pythia6416.f.o
pyplot in pythia6416.f.o
pyckbd.part.2 in pythia6416.f.o
upevnt in pythia6416.f.o
pyinbm in pythia6416.f.o
pysugi in pythia6416.f.o
pyapps in pythia6416.f.o
...
"__gfortran_transfer_integer", referenced from:
upevnt in pythia6416.f.o
pysugi in pythia6416.f.o
upinit in pythia6416.f.o
pyonof in pythia6416.f.o
pyslha in pythia6416.f.o
pygive in pythia6416.f.o
pygive.constprop.10 in pythia6416.f.o
...
"__gfortran_transfer_integer_write", referenced from:
pyplot in pythia6416.f.o

```
      _pystop_ in pythia6416.f.o
      _upevnt_ in pythia6416.f.o
      _pysugi_ in pythia6416.f.o
      _upinit_ in pythia6416.f.o
      _pylogo_ in pythia6416.f.o
      _pylist_ in pythia6416.f.o
      ...
  "__gfortran_transfer_real", referenced from:
      _upevnt_ in pythia6416.f.o
      _pysugi_ in pythia6416.f.o
      _upinit_ in pythia6416.f.o
      _pyslha_ in pythia6416.f.o
      _pygive_ in pythia6416.f.o
      _pygive_.constprop.10 in pythia6416.f.o
      _pylhef_ in pythia6416.f.o
      ...
  "__gfortran_transfer_real_write", referenced from:
      _pyxxz6_ in pythia6416.f.o
      _pypile_.part.0 in pythia6416.f.o
      _pyplot_ in pythia6416.f.o
      _pyinbm_ in pythia6416.f.o
      _pytbdy_ in pythia6416.f.o
      _pylist_ in pythia6416.f.o
      _pypdfu_ in pythia6416.f.o
      ...
ld: symbol(s) not found for architecture x86_64
collect2: error: ld devolvió el estado de salida 1
make[2]: *** [libPythia6.dylib] Error 1
make[1]: *** [CMakeFiles/Pythia6.dir/all] Error 2
make: *** [all] Error 2
cp: libPythia6.dylib: No such file or directory
ls: libPythia6.dylib: No such file or directory
**** Checking libraries in /Users/hapol/CODES/FAIRSOFT/install_nov15p3/lib ****
Library libpythia6.dylib is 32bit, but system is 64bit
*** ERROR: Pythia6 could not be created.
*** End installation of external packages with Errors***
```

File Attachments

1) output.txt, downloaded 737 times

Subject: Re: FairSoft not compiling due to gfortran problems in mac OS
Posted by Dmytro Kresan on Tue, 25 Apr 2017 15:16:22 GMT
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Hi Hector,

This issue was fixed in the mar17 release (hot fixes), but not yet in the master branch.
I was not able to reproduce your problem with the same tools versions.

Have you tried to download the tarball with mar17 from GitHub again and to do a fresh

installation?

Best regards,
Dima

Subject: Re: FairSoft not compiling due to gfortran problems in mac OS
Posted by Hector Alvarez Pol on Wed, 26 Apr 2017 18:58:21 GMT
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Hi Dmytro,

thank you very much for the tip. It's working now with a fresh mar17.

*** End installation of external packages without Errors***

Best regards,
