Posted by Leyla Atar on Tue, 14 Jun 2016 17:47:33 GMT
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Hello Dima,

I installed the r3broot for developer with ucesb today. The compiling was successfull.
Then I changed something in PSP detector according to the current experiment and try to compile again.
cmake compiling (cmake -DUSE_PATH_INFO=true -DUSE_DIFFERENT_COMPILER=TRUE ../R3BRoot) worked well but make did not work and i got the following error:

-- Found Git: /usr/bin/git (found version "1.7.10.4")
fatal: No tags can describe 'ebd693f0e2a19dacd1d3f63b5428dd096aee0288'.
Try --always, or create some tags.
-- FairRoot Version - from - Tue Jun 14 09:56:38 2016 +0200
[0%] Built target svnheader
[17%] Built target R3BData
[20%] Built target R3Bbase
[23%] Built target Field
[28%] Built target R3BPassive
[32%] Built target R3BPsp
[33%] Generating G__R3BsourceDict.cxx, G__R3BsourceDict_rdict.pcm,
../lib/libR3Bsource.rootmap
Warning in cling::IncrementalParser::CheckABICompatibility():
  C++ ABI mismatch, compiled with __GLIBCXX__ v20141219 running with v20120920
input_line_12:40:5: error: unknown type name 'Source_Type'
   Source_Type GetSourceType() { return kONLINE; }
   ^
input_line_12:40:42: error: use of undeclared identifier 'kONLINE'
   Source_Type GetSourceType() { return kONLINE; }
                         ^
Error: /cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/nov15p1_root6/bin/rootcint: compilation failure
(/u/latar/r3broot_dev/build/r3bsource/G__R3BsourceDictd88747b94d_dictUmb rella.h)
make[2]: *** [r3bsource/G__R3BsourceDict.cxx] Error 1
make[1]: *** [r3bsource/CMakeFiles/R3Bsource.dir/all] Error 2
make: *** [all] Error 2

Then I tried:

rm CMakeCache.txt
cmake -DUSE_PATH_INFO=true -DUSE_DIFFERENT_COMPILER=TRUE ../R3BRoot -->
was o.k.
make --> failed, the same error message

Do you know what is wrong?

Cheers,
Leila

Subject: Re: r3broot compilation failed
Posted by Dmytro Kresan on Wed, 15 Jun 2016 04:59:45 GMT
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Hello Leila,

it looks like you are compiling with older FairRoot version. You need v-15.11c. Please try following re-build:

relogin to the terminal
cd BUILD_DIRECTORY

make clean
rm CMakeCache.txt

module use /cvmfs/it.gsi.de/modulefiles/
module load compiler/gcc/4.8.4
export CC=gcc
export CXX=g++

export SIMPATH=/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/nov15p1_root6
export FAIRROOTPATH=/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairroot/v-15.11c_fairsoft
-nov15p1_root6
cmake -DUSE_PATH_INFO=true ../R3BRoot
make

In case it fails, please post error message and complete output of the cmake command.

Best regards,
Dima

Subject: Re: r3broot compilation failed
Posted by Leyla Atar on Wed, 15 Jun 2016 11:37:19 GMT
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Hello Dima,

thanks for your reply. I rebuild the r3broot according to your reply and it worked.
But I would like to unpack the experimental data during the beam time which is running now.
Therefore I added the command line

export UCESB_DIR=/lynx/Lynx/land/usr/land/landexp/jun2016/unpacker

in addition to your instructions, after the command line

export FAIRROOTPATH=/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairroot/v-15.11c_fairsoft
-nov15p1_root6

before cmake. I was able to compile the cmake but it failed during the make:

In file included from /u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:9:0:

/u/latar/r3broot_dev/R3BRoot/r3bsource/ext_h101_fi4.h:402:22: error: 'EXT_STR_h101' has no member named 'fiberfour9tME'
```
          fiberfour9tME,          UINT32,\
                    ^
```
/u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:29:2: note: in expansion of macro 'EXT_STR_h101_FI4_ITEMS_INFO'
```
  EXT_STR_h101_FI4_ITEMS_INFO(ok, *a_struct_info, EXT_STR_h101, 0);
  ^
```
In file included from /cvmfs/fairroot.gsi.de/gcc_4.8.4/fairroot/v-15.11c_fairsoft-nov15p1_root6/include/FairRootManager.h:20:0,
          from /u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:4:
/u/latar/r3broot_dev/R3BRoot/r3bsource/ext_h101_fi4.h:405:22: error: 'EXT_STR_h101' has no member named 'fiberfour9t'
```
          fiberfour9t,           UINT32,\
                    ^
```
/u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:29:2: note: in expansion of macro 'EXT_STR_h101_FI4_ITEMS_INFO'
```
  EXT_STR_h101_FI4_ITEMS_INFO(ok, *a_struct_info, EXT_STR_h101, 0);
  ^
```
In file included from /u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:9:0:
/u/latar/r3broot_dev/R3BRoot/r3bsource/ext_h101_fi4.h:405:22: error: 'EXT_STR_h101' has no member named 'fiberfour9t'
```
          fiberfour9t,           UINT32,\
                    ^
```
/u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:29:2: note: in expansion of macro 'EXT_STR_h101_FI4_ITEMS_INFO'
```
  EXT_STR_h101_FI4_ITEMS_INFO(ok, *a_struct_info, EXT_STR_h101, 0);
  ^
```
In file included from /cvmfs/fairroot.gsi.de/gcc_4.8.4/fairroot/v-15.11c_fairsoft-nov15p1_root6/include/FairRootManager.h:20:0,
          from /u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:4:
/u/latar/r3broot_dev/R3BRoot/r3bsource/ext_h101_fi4.h:405:22: error: 'EXT_STR_h101' has no member named 'fiberfour9t'
```
          fiberfour9t,           UINT32,\
                    ^
```
/u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:29:2: note: in expansion of macro 'EXT_STR_h101_FI4_ITEMS_INFO'
```
  EXT_STR_h101_FI4_ITEMS_INFO(ok, *a_struct_info, EXT_STR_h101, 0);
  ^
```
In file included from /u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:9:0:
/u/latar/r3broot_dev/R3BRoot/r3bsource/ext_h101_fi4.h:405:22: error: 'EXT_STR_h101' has no member named 'fiberfour9t'
```
          fiberfour9t,           UINT32,\
                    ^
```
/u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:29:2: note: in expansion of macro 'EXT_STR_h101_FI4_ITEMS_INFO'
```
  EXT_STR_h101_FI4_ITEMS_INFO(ok, *a_struct_info, EXT_STR_h101, 0);
  ^
```
In file included from /cvmfs/fairroot.gsi.de/gcc_4.8.4/fairroot/v-15.11c_fairsoft-nov15p1_root6/include/FairRootManager.h:20:0,
          from /u/latar/r3broot_dev/R3BRoot/r3bsource/R3BFiberReader.cxx:4:
/u/latar/r3broot_dev/R3BRoot/r3bsource/ext_h101_fi4.h:408:22: error: 'EXT_STR_h101' has

no member named 'fiberfour9tv'
             fiberfour9tv,   UINT32,\

I modified the scripts in /u/latar/r3broot_dev/R3BRoot/r3bsource according to the current experiment which was necessary.
These modifications i got from Ina Syndikus and r3broot works well in her case after an appropriate update.

Cheers,
Leila

Subject: Re: r3broot compilation failed
Posted by Dmytro Kresan on Wed, 15 Jun 2016 13:01:15 GMT
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Hi Leila,

I can only say that the central dev branch is working. It is difficult for me to tell you a solution, since I do not know what exactly you have modified in r3bsource directory.
How old is your git clone?

Can you please try to do following

cd R3BRoot
git checkout r3bsource/ext_h101_fi4.h

and then recompile by just typing make in the build directory.

Best regards,
Dima

Subject: Re: r3broot compilation failed
Posted by Dmytro Kresan on Wed, 15 Jun 2016 13:06:07 GMT
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P.S.
In addition, if previous does not work, try also

git checkout r3bsource/ext_h101.h

and recompile.

Best regards,
Dima