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Subject: Compilation fails

Posted by [C. A. Douma](#) on Wed, 18 Nov 2015 08:25:17 GMT

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I am working to set up the realistic background simulations for the VETO. For that I wanted to have the newest update of R3Broot, but it refuses to compile. During compilation R3Broot wants to have a file called FairDbReader.h which is supposed to be located in FairRoot\_Install/include/ but this file simply does not exist anywhere in FairRoot. After I re-installed the newest download of FairRoot the problem is not solved (I did not re-install FairSoft).

The files that require this header are /r3broot/r3bdb/landdb/R3BLandTCalPar.h, /r3broot/r3bdb/landdb/R3BLandTCalPar.cxx and /r3broot/r3bdb/landdb/R3BLandLinkDef.h

Am I doing something wrong? Or is there a bug?

Then there are also 2 other things that occur during compilation. The first is that /r3broot/CMakeLists.txt wants to have packages like GEANT3, GEANT4, GEANT4VMC, etc and normally it cannot find these packages. Fortunately I can easily solve this by adding the command `set(CMAKE_MODULE_PATH "${FAIRROOTPATH}/share/fairbase/cmake/modules_old" ${CMAKE_MODULE_PATH})` after line 41.

The second thing is that all thorough FairRoot\_install there are commands in the code like: `#include <boost/<<some path&file>>` But since there is no specification in this line where the directory boost is located, compilation of R3Broot gives trouble. Fortunately I can solve this by running the following command in the FairRoot\_Install directory: `find ./ -type f -exec sed -i -e 's:#include <boost/:#include </home/christiaan/Desktop/FAIR/FairSoft_Build/include/boost/' {} \;` Then I have to run this command 10 times, each with a different number of blank characters between the # and the include to make sure that I really replace all commands with the complete path and then the problem disappears.

If more people are troubled by the same difficulties, is there a possibility to include an automatic fix inside FairRoot?

Thanks in advance!  
Christiaan.

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Subject: Re: Compilation fails

Posted by [Dmytro Kresan](#) on Wed, 18 Nov 2015 08:29:53 GMT

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What do you mean by "newest update"? In case you cloned the repository from GitHub, on

which branch are you?

```
-----  
cd R3BRoot  
git branch  
-----
```

In case it is master, try

```
-----  
git checkout dev  
git pull  
-----
```

and then recompile in a completely fresh build directory.

Please specify also versions of FairSoft and FairRoot.

Cheers,  
Dima

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Subject: Re: Compilation fails  
Posted by [C. A. Douma](#) on Wed, 18 Nov 2015 08:33:39 GMT  
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I obtained the new source code from R3Broot with the command  
svn co https://subversion.gsi.de/fairroot/r3broot/release/jan15 r3broot

And I obtained the new source code from FairRoot with  
git clone -b dev https://github.com/FairRootGroup/FairRoot.git

Christiaan.

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Subject: Re: Compilation fails  
Posted by [Dmytro Kresan](#) on Wed, 18 Nov 2015 08:38:57 GMT  
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Sounds like "oldest" version.

There was a post on R3BRoot Website:

<https://www.r3broot.gsi.de/repository-has-been-moved-github>

Use dev branch, as written in previous reply.

The same info and link was sent to r3b-ml-analyssis@r3b-nustar.de and  
r3b-wg-sim@r3b-nustar.de mailing lists.  
Please consider subscribing to them.

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