Subject: Compilation errors in trunk release 28886
Posted by Marcel Tiemens on Tue, 09 Feb 2016 14:43:31 GMT
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Hi all,

I just reinstalled FairRoot and PandaRoot, and during the compilation of PandaRoot, I encountered some failures that needed fixing before I could compile. Some of the things are really strange, and I would think that they would show up when whoever wrote the code tries to compile it him/herself. Here's the list:

PndMdtPointsToWaveform.h: Remove "#pragma once"
PndMdtWaveform.h: Remove "#pragma once"
PndMdtIGeometry.cxx: ofstream -> std::ofstream
PndMdtIGeometry.h: Make a lot of stuff (at least the structs) not private
PndMdtParamDigi.h: Make a lot of stuff (at least the structs) not private
PndEmcBump.h: Remove "#pragma once"
PndEmcRecoPar.h: Remove "#pragma once"
PndRichRecoTask.cxx: #include <db_cxx.h> not necessary (I didn't have the required library on my system, but it compiled when taking that part out without complaining, so I guess it's not used anywhere)
PndCAGlobalPerformance.cxx: line 148: sort -> std::sort
PndCAPerformance.cxx: ofstream -> std::ofstream, ifstream -> std::ifstream

I guess some compilers might not complain about the 'std' parts. As for the "#pragma once", I am not an expert, but as far as I understand you should not use it in combination with
#ifndef MYFILE_H
#define MYFILE_H
... contents of myfile.h
#endif /* !MYFILE_H */

Subject: Re: Compilation errors in trunk release 28886
Posted by StefanoSpataro on Tue, 09 Feb 2016 14:53:13 GMT
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Which OS do you have? The code nicely compiles on Ubuntu14.04, Ubuntu 15.10, OS X and also on debian.

Subject: Re: Compilation errors in trunk release 28886
Posted by Dominik Steinschaden on Tue, 09 Feb 2016 14:57:24 GMT
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I was just updating my local trunk Version also and I'm now also not able to compile anymore.

But the only Problem seems to be

rich/PndRichRecoTask.cxx:16:20: fatal error: db_cxx.h: No such file or directory
#include <db_cxx.h>

^
compilation terminated.
make[2]: *** [rich/CMakeFiles/Rich.dir/PndRichRecoTask.cxx.o] Error 1
make[1]: *** [rich/CMakeFiles/Rich.dir/all] Error 2
make: *** [all] Error 2

The other errors are not reproduceable. at least not for me
so the other errors are maybe only occuring when using a specific OS or compiler

regards Dominik

Subject: Re: Compilation errors in trunk release 28886
Posted by Marcel Tiemens on Tue, 09 Feb 2016 14:58:10 GMT
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Ubuntu 14.04, compiler: GCC 4.8

Subject: Re: Compilation errors in trunk release 28886
Posted by StefanoSpataro on Tue, 09 Feb 2016 15:07:55 GMT
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Just to be sure: mar15 and v15.11?
Can you please send the log of the compilation errors?

Subject: Re: Compilation errors in trunk release 28886
Posted by StefanoSpataro on Tue, 09 Feb 2016 15:08:34 GMT
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Which OS and compiler?
mar15 and v.1511?

Subject: Re: Compilation errors in trunk release 28886
Posted by Dominik Steinschaden on Tue, 09 Feb 2016 15:18:31 GMT
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I'm using
fairsoft: nov15
fairroot: v15.11 (with slight changes to the FairWriteoutbuffer)

Os: Ubuntu 14.04

How do I check which Compiler is used for the compilation?

at least my gcc/g++ Version is also 4.8.4

Subject: Re: Compilation errors in trunk release 28886
Posted by Radoslaw Karabowicz on Tue, 09 Feb 2016 15:48:14 GMT
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Which root did you use?
What is the output of root-config --version?

Subject: Re: Compilation errors in trunk release 28886
Posted by Marcel Tiemens on Tue, 09 Feb 2016 16:12:09 GMT
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Okay, I attached the log (as far as I could construct it).

I'm using ROOT 6.06/00

And indeed mar15 for the external packages and FairRoot v15-11

File Attachments
1) log_pandaroot28886_comp_errors.txt, downloaded 408 times

Subject: Re: Compilation errors in trunk release 28886
Posted by StefanoSpataro on Tue, 09 Feb 2016 16:19:53 GMT
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Hi Marcel,
I am sorry but the system is not maintained for root6.
The suggested FairRoot version is mar15 where root6 is not yet available, and I do not have a running version of pandaroot with root6. This means, at present, we cannot ask developers to follow root6 directives.

Subject: Re: Compilation errors in trunk release 28886
Posted by StefanoSpataro on Tue, 09 Feb 2016 16:23:55 GMT
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Hi Domink,
I checked the recent log and noticed a file was wrongly committed, PndRichRecotask.cxx. I have reverted the change, please update 28891 and try again.

Subject: Re: Compilation errors in trunk release 28886
Posted by Marcel Tiemens on Tue, 09 Feb 2016 16:37:34 GMT
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It's okay - I managed to get it working with the "fixes" I showed. I just thought it would be good to be aware of these errors.

Subject: Re: Compilation errors in trunk release 28886
Posted by Dmitry Morozov on Tue, 09 Feb 2016 20:43:08 GMT
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I can confirm the compilation failure for two items:

1) PndMdtIGeometry.h: the structs are private
PndMdtParamDigi.h: the structs are private

Solved by making the structs public

2) PndRichRecoTask.cxx: #include <db_cxx.h> not found
Fixed in rev 28892

System: Fedora 23
Compiler: gcc 5.3.1
FairSoft: nov15
FairRoot: 15.11a
root: 5.34/34

The Log is attached.

File Attachments

1) error.log, downloaded 450 times