Subject: [FIXED] Cannot run sample macros
Posted by mckunkel on Fri, 30 Oct 2015 15:31:00 GMT
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Greetings,

I just performed a fresh install of FairSoft, FairRoot and PandaRoot.

When I try the example macros to ensure PandaRoot, I receive an issue with reco_complete.C after running sim_complete.C and digi_complete.C

MZLINK. Initialize Link Area /GCSLNK/ for Store 0 NL/NS= 100 100
-I- G3Config: Geant3 with TGeo has been created for Geane.
Warning: Automatic variable noprnt is allocated
/Users/michaelkunkel/WORK/PANDA/PANDAROOT/SOURCE/gconfig/Geane.C:26:

*** Break *** segmentation violation
-I- Geane.C: NOPRNT flag set to Generating stack trace...
An admin user name and password is required to enter Developer Mode.

Subject: Re: Cannot run sample macros
Posted by StefanoSpataro on Fri, 30 Oct 2015 16:15:39 GMT
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Could you please tell which is your OS version and which XCode you are using?

And can you copy the full log, from the beginning of the macro unti the error messages? lldb could help to undertsand what went wrong.

Subject: Re: Cannot run sample macros
Posted by mckunkel on Fri, 30 Oct 2015 16:20:39 GMT
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Greetings,

I am using Mac OSX 10.10.5, XCode 7.1.
Attached is the output of the reco_complete.C

File Attachments
1) log.log, downloaded 463 times

Subject: Re: Cannot run sample macros
Posted by StefanoSpataro on Fri, 30 Oct 2015 16:28:53 GMT

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Are you using FairSoft mar15? Since the root version should be the 5.34/25 and not the 5.34/32 that you have.

Subject: Re: Cannot run sample macros
Posted by mckunkel on Fri, 30 Oct 2015 16:31:40 GMT
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Greetings,

I had to use the dev branch because the mar15, mar15p1 and mar15p2 branches of FairSoft did not build Geeant4 properly.

Here is the issue I posted on the FairSoft issue page on GitHub

https://github.com/FairRootGroup/FairSoft/issues/29

Subject: Re: Cannot run sample macros
Posted by StefanoSpataro on Fri, 30 Oct 2015 16:34:47 GMT
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The dev branch is untested for PandaRoot, then I am not sure on what is wrong in Geane. Which FairRoot version? Also dev?

Subject: Re: Cannot run sample macros
Posted by mckunkel on Fri, 30 Oct 2015 16:37:37 GMT
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Yes, I am using dev for both FairSoft and FairRoot

Subject: Re: Cannot run sample macros
Posted by Radoslaw Karabowicz on Fri, 30 Oct 2015 16:41:01 GMT
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As a fast solution, please comment out the following lines:

```
  if(gROOT->GetVersionCode() >= 334848)
    {
      Ertrio1_t *fErtrio1 = gMC3->fErtrio1;
      fErtrio1->noprnt = 1;
      cout << "-I- Geane.C: NOPRNT flag set to " << fErtrio1->noprnt  << endl;
      if(fErtrio1->noprnt == 1) {
 cout << "-I- Geane.C: IERR flags are not printed. If you want to switch them on, please set fErtrio1->noprnt = 0 in Geane.C" << endl;
      }
```

}

in your gconfig/Geane.C

yours
radek

Subject: Re: Cannot run sample macros
Posted by mckunkel on Fri, 30 Oct 2015 16:48:22 GMT
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Thank you,

Commenting out those lines allowed the program to run.
The complete test chain is complete.

Subject: Re: Cannot run sample macros
Posted by StefanoSpataro on Tue, 03 Nov 2015 09:23:40 GMT
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Why these calls are not present anymore in the dev FairSoft?

Subject: Re: Cannot run sample macros
Posted by Radoslaw Karabowicz on Wed, 11 Nov 2015 10:50:57 GMT
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Found the damn problem finally.

It seems that quite recently (between FairSoft mar15 and jul15)
the file transport/geant3/TGeant3/geant3LinkDef.h
was changed and line:
#pragma link C++ class Ertrio1_t+;
was commented out with the following comment:
// Unused class rule
// (generate warning with Root6 cling)

Unfortunately in Panda we use the struct in the root-loaded macro.

I have changed the file and added:

#pragma link C++ struct Ertrio_t+;
#pragma link C++ struct Ertrio1_t+;

did (in Fairsoft):

./make_clean.sh geant3 all
./configure.sh

After this the setting of the noprnt works!
I have also checked root6.
Setting the flag works without any changes to the linkdef.h
After putting of the lines it still compiles (at least on my mac).

yours
radek

Subject: Re: Cannot run sample macros
Posted by StefanoSpataro on Thu, 12 Nov 2015 22:50:47 GMT
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Thanks Radek,
but do you think that line will be rdecommented in some next version of FairSoft?

Subject: Re: Cannot run sample macros
Posted by Radoslaw Karabowicz on Fri, 13 Nov 2015 07:51:32 GMT
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Yes, of course! I have already contacted the Geant3 team to have it fixed.

Subject: Re: Cannot run sample macros
Posted by StefanoSpataro on Fri, 13 Nov 2015 14:17:15 GMT
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If I remember correctly, the flag was introduced under Lia's request in order to have the possibility to switch OFF geane warnings which were dominating our logs at that time.
