Subject: Problem on running FairRoot tutorial macro
Posted by kamalpdutta on Sat, 13 Dec 2014 09:12:02 GMT
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Dear All,

I have just builded FairRoot on my ubuntu 14.04 32 bit machine with https://github.com/FairRootGroup/FairSoft. But I am getting problem on running tutorials. For example on running Tutorial1, following error is shown

Processing run_tutorial1.C...
Error: Symbol FairRunSim is not defined in current scope run_tutorial1.C:61:
Error: Symbol FairRunSim is not defined in current scope run_tutorial1.C:61:
Error: type FairRunSim not defined
FILE:/home/kamalpdutta/PANDA/buildFairRoot/share/fairbase/example/Tutori
al1/./run_tutorial1.C LINE:61
Error: Invalid type 'FairRunSim*' in declaration of 'run' run_tutorial1.C:61:
*** Interpreter error recovered ***

Please help me regarding this.

regards
Kamal Dutta

Subject: Re: Problem on running FairRoot tutorial macro
Posted by Florian Uhlig on Sat, 13 Dec 2014 09:29:31 GMT
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Hi,

did you setup the environment correctly? This is done by running the following command to execute a script in your build directory.

source <build_dir>/config.sh

<build_dir> has to be changed to your build directory.

Ciao

Florian

Subject: Re: Problem on running FairRoot tutorial macro
Posted by kamalpdutta on Sat, 13 Dec 2014 09:54:08 GMT
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Hi Ciao,

Thanks for your qick reply. Yes I did source config.sh in my build directory. It echo following

System during compilation: Ubuntu 14.04.1 LTS
i686
System now : Ubuntu 14.04.1 LTS
i686

But still showing the same error.

regards'
Kamal Dutta

Subject: Re: Problem on running FairRoot tutorial macro
Posted by kamalpdutta on Wed, 17 Dec 2014 06:12:46 GMT
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Hi Ciao and all,

Installing external dec-14 version and new FairRoot v-14.11, I am able to run FairRoot Tutorials. But its shows the following bug,

Loading Geant3 libraries ...
dlopen error: /home/kamalpdutta/PANDA/EXTERNAL/dec14/lib/libgeant321.so: undefined symbol: pycomp_
Load Error: Failed to load Dynamic link library /home/kamalpdutta/PANDA/EXTERNAL/dec14/lib/libgeant321.so
Warning: Return value of void g3libs() ignored
/home/kamalpdutta/PANDA/FairRoot-v-14.11/example/gconfig/g3libs.C:26:
Error: Symbol TGeant3 is not defined in current scope
/home/kamalpdutta/PANDA/FairRoot-v-14.11/example/gconfig/g3Config.C:16:
Error: Invalid type 'TGeant3*' in declaration of 'geant3'
/home/kamalpdutta/PANDA/FairRoot-v-14.11/example/gconfig/g3Config.C:16:
(long)0
*** Interpreter error recovered ***
SetCuts Macro: Setting Processes..
Error: illegal pointer to class object gMC 0x0 2139
/home/kamalpdutta/PANDA/FairRoot-v-14.11/example/gconfig/SetCuts.C:30:
*** Interpreter error recovered ***

*** Break *** segmentation violation

Can you please idetify the source of this bug ?

regards

Kamal Dutta

Subject: Re: Problem on running FairRoot tutorial macro
Posted by Florian Uhlig on Wed, 17 Dec 2014 08:37:56 GMT
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Hi,

Quote:Can you please idetify the source of this bug ?

Can you please identify the macro which doesn't work. Can you please give some more information about your system (OS, compiler, ...).
without this information it is hard to guess what could be the problem.

Ciao

Florian

Subject: Re: Problem on running FairRoot tutorial macro
Posted by kamalpdutta on Wed, 17 Dec 2014 08:44:02 GMT
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Dear Ciao,
The error I have shown is for Tutorial1. I am using Ubuntu 14.04.1 32 machine. The external package installation log file is attached here, where you can get other details of my system.

regards
Kamal Dutta

File Attachments
1) Install_151214_141303.log, downloaded 560 times

Subject: Re: Problem on running FairRoot tutorial macro
Posted by Tonya Evdokimova on Mon, 02 Feb 2015 08:38:29 GMT
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Hello.

I can confirm this behaviour on 32 bit Ubuntu 12.04.05 LTS. GCC version 4.6.3 (Ubuntu/Linaro 4.6.3-1ubuntu5)

I installed new external packages fairroot jul14p3 + pandaroot (trunk) following the procedure from https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootInstallGit.

Installation itself went without any problems. But if i try to run any sim macro: /run/sim_complete.C or /emc/sim_emc.C I've got exactly the same problem Kamal Dutta mentioned.

CINT/ROOT C/C++ Interpreter version 5.18.00, July 2, 2010

```
Type ? for help. Commands must be C++ statements.
Enclose multiple statements between { }.
root [0]
Processing sim_emc.C...
[INFO   ] FairRootManager::OpenOutFile("sim_emc.root")
[INFO   ] Media file used :
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/geometry/media_pnd.geo
Error in <TClonesArray::SetClass>: called with a null pointer
 -I container name PndEmcGeoPar
[INFO   ] ==============  FairRunSim: Initialising simulation run ==============
Info in <TGeoManager::TGeoManager>: Geometry FAIRGeom, FAIR geometry created
[INFO   ] FairGeoMedia: Read media
 -I container name PndEmcDigiPar
 -I container name PndEmcDigiNonuniformityPar

************************************************************
    initialisation for run id 1422865622
************************************************************
-I- FairRunTimeDB::InitContainer() PndEmcGeoPar
[ERROR  ] init() PndEmcGeoPar  not initialized
-I- FairRunTimeDB::InitContainer() PndEmcDigiPar
PndEmcDigiPar initialized from Ascii file
-I- FairRunTimeDB::InitContainer() PndEmcDigiNonuniformityPar
[ERROR  ] init() PndEmcDigiNonuniformityPar  not initialized
Error in <FairRuntimeDb::initContainers()>: Error occured during initialization
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/input/TransMap.1500.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/input/DipoleMap1.1500.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/input/DipoleMap2.1500.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/input/SolenoidMap1.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/input/SolenoidMap2.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/input/SolenoidMap3.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/input/SolenoidMap4.root
[INFO   ] ---------- Standard Config is called ----------------------------------
Loading Geant3 libraries ...
dlopen error: /home/uzbton/fairroot_jul14/install/lib/libgeant321.so: undefined symbol: pycomp_
Load Error: Failed to load Dynamic link library
/home/uzbton/fairroot_jul14/install/lib/libgeant321.so
Warning: Return value of void g3libs() ignored
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/gconfig/g3libs.C:19:
Error: Symbol TGeant3 is not defined in current scope
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/gconfig/g3Config.C:9:
Error: Invalid type 'TGeant3*' in declaration of 'geant3'
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/gconfig/g3Config.C:9:
(long)0
*** Interpreter error recovered ***
```

SetCuts Macro: Setting Processes..
Error: illegal pointer to class object gMC 0x0 4010
/home/uzbton/fairroot_jul14/fairsoft_jul14p3/pandaroot/gconfig/SetCuts.C:23:
*** Interpreter error recovered ***

I have installed prevoius version of Fairroot (dec13) and pandaroots (23950 trunk and jan14 release) it works without problems.

Please give me a hint how to solve this issue.

Thank you.
