Subject: error starting Pandaroot and running macros
Posted by AbTomer on Thu, 16 May 2019 05:28:58 GMT
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```
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/b uildPanda$
./config.sh
System during compilation: Ubuntu 18.04.2 LTS
                    x86_64
System now          : Ubuntu 18.04.2 LTS
                    x86_64
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/b uildPanda$
echo SIMPATH
SIMPATH
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/b uildPanda$
echo $SIMPATH

 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/b uildPanda$
echo $FAIRROOTPATH

 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/b uildPanda$
cd ..
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot$ cd
tutorials/rho
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ ./tut_runall.sh
./tut_runall.sh: line 24: root: command not found
./tut_runall.sh: line 25: root: command not found
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ root -l -b -q tut_sim.C

Command 'root' not found, did you mean:

  command 'roo' from snap roo (2.0.3)
  command 'toot' from snap toot (0.20.0)
  command 'rott' from deb rott
  command 'rootv' from deb xawtv
  command 'proot' from deb proot

See 'snap info <snapname>' for additional versions.

 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ ~/fair/buildFairSoft/bin/root
   ------------------------------------------------------------
  | Welcome to ROOT 6.12/06                http://root.cern.ch |
  |                          (c) 1995-2017, The ROOT Team |
  | Built for linuxx8664gcc                                  |
  | From tags/v6-12-06@v6-12-06, Apr 03 2019, 14:45:00       |
  | Try '.help', '.demo', '.license', '.credits', '.quit'/'.q' |
   ------------------------------------------------------------

root [0] tut_sim.C
input_line_11:2:3: error: use of undeclared identifier 'tut_sim'
```

```
 (tut_sim)
  ^
Error in <HandleInterpreterException>: Error evaluating expression (tut_sim).
Execution of your code was aborted.
root [1] .x tut_sim.C
In file included from input_line_12:1:
 /home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:26:3: error: unknown type
name 'PndMasterRunSim'
  PndMasterRunSim *fRun = new PndMasterRunSim();
  ^
 /home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:26:31 : error: unknown
type name 'PndMasterRunSim'
  PndMasterRunSim *fRun = new PndMasterRunSim();
                          ^
 /home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:40:3: error: unknown type
name 'FairFilteredPrimaryGenerator'
  FairFilteredPrimaryGenerator *primGen = fRun->GetFilteredPrimaryGenerator();
  ^
root [2]
```

Subject: Re: error starting Pandaroot and running macros
Posted by Tobias Stockmanns on Thu, 16 May 2019 05:42:23 GMT
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Your path name looks suspicious with a space in "b uildPanda".
In addition you have to source the config.sh by calling ". ./config.sh"
Your SIMPATH and your FAIRROOTPATH are not set.

Subject: Re: error starting Pandaroot and running macros
Posted by AbTomer on Thu, 16 May 2019 06:09:58 GMT
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I exported all the commands in config.sh. ran config.sh as well, then started rootshell to find the FairRoot commands not being recognized. TBrowser opened fine.
How to make sure root recognize FariRoot commands.

commands on the terminal to export all the path in config.sh

```
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export SIMPATH="/home/newapd/fair/buildFairSoft"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export ROOTSYS="/home/newapd/fair/buildFairSoft/bin"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
FAIRROOTPATH="/home/newapd/fair/fairsoft_may18/installFairRoot-v18.0.4/ "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export GEANT4_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
```

utorials/rho$ export GEANT4_INCLUDE_DIR="
/home/newapd/fair/buildFairSoft/include/Geant4:/home/newapd/fair/buildFa
irSoft//transport/geant4/source/interfaces/common/include:/home/newapd/f
air/buildFairSoft//transport/geant4/physics_lists/hadronic/Packaging/inc
lude:/home/newapd/fair/buildFairSoft//transport/geant4/physics_lists/had ronic/QGSP/include "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
GEANT4VMC_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/geant4vmc "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export GEANT4VMC_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export GEANT4VMC_MACRO_DIR="GEANT4VMC_MACRO_DIR-NOTFOUND"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export CLHEP_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/Geant4"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export CLHEP_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export CLHEP_BASE_DIR=""
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export PLUTO_LIBRARY_DIR=""
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export PLUTO_INCLUDE_DIR=""
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export PYTHIA6_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export G3SYS="/home/newapd/fair/buildFairSoft/share/geant3"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
GEANT3_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/TGeant3"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export GEANT3_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
GEANT3_LIBRARIES="/home/newapd/fair/buildFairSoft/lib/libgeant321.so"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export USE_VGM="1"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export PYTHIA8DATA="/home/newapd/fair/buildFairSoft//share/pythia8/xmldoc"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export CLASSPATH=""
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4LEDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4EMLOW"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4LEVELGAMMADATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/PhotonEvaporat
ion "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4NeutronHPCrossSections="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4NDL "

```
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4NEUTRONHPDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4NDL "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4NEUTRONXSDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4NEUTRONXS
"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export G4PIIDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4PII"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4RADIOACTIVEDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/RadioactiveDec
ay "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4REALSURFACEDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/RealSurface "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4SAIDXSDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4SAIDDATA "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export
G4ENSDFSTATEDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4ENSDFSTAT
E "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ echo $SIMPATH
/home/newapd/fair/buildFairSoft
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export ROOT_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib/root"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export ROOT_LIBRARIES="-L/home/newapd/fair/buildFairSoft/lib/root -lGui
-lCore -lImt -lRIO -lNet -lHist -lGraf -lGraf3d -lGpad -lTree -lTreePlayer -lRint -lPostscript
-lMatrix -lPhysics -lMathCore -lThread -lMultiProc -pthread
-Wl,-rpath,/home/newapd/fair/buildFairSoft/lib/root -lm -ldl -rdynamic"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export ROOT_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/root"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export ROOT_INCLUDE_PATH="
/home/newapd/fair/buildFairSoft/include/TGeant3:/home/newapd/fair/fairso
ft_may18/installFairRoot-v18.0.4/include "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export VMCWORKDIR="/home/newapd/fair/fairsoft_may18/pandaroot"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export FAIRLIBDIR="/home/newapd/fair/fairsoft_may18/pandaroot/buildPanda/lib"
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ export PYTHONPATH="
/home/newapd/fair/fairsoft_may18/pandaroot/python:/home/newapd/fair/buil
dFairSoft//lib:/home/newapd/fair/buildFairSoft//lib/root:/home/newapd/fa
ir/buildFairSoft//lib/Geant4:/home/newapd/fair/buildFairSoft//lib/g4py "
 newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/t
utorials/rho$ ~/fair/buildFairSoft/bin/root
   ------------------------------------------------------
  | Welcome to ROOT 6.12/06                http://root.cern.ch |
```

```
  |                          (c) 1995-2017, The ROOT Team |
  | Built for linuxx8664gcc                               |
  | From tags/v6-12-06@v6-12-06, Apr 03 2019, 14:45:00    |
  | Try '.help', '.demo', '.license', '.credits', '.quit'/'.q' |
   ------------------------------------------------------------

root [0] .x tut_sim.C
In file included from input_line_10:1:
 /home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:26:3: error: unknown type
name 'PndMasterRunSim'
  PndMasterRunSim *fRun = new PndMasterRunSim();
  ^
 /home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:26:31 : error: unknown
type name 'PndMasterRunSim'
  PndMasterRunSim *fRun = new PndMasterRunSim();
                          ^
 /home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:40:3: error: unknown type
name 'FairFilteredPrimaryGenerator'
  FairFilteredPrimaryGenerator *primGen = fRun->GetFilteredPrimaryGenerator();
  ^
root [1] TBrowser t
(TBrowser &) Name: Browser Title: ROOT Object Browser
root [2] .q
```