Subject: Update of installation fairroot and pandaroot
Posted by Johan Messchendorp on Fri, 19 Feb 2010 23:15:45 GMT

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Dear admins,

I started updating the newest pandaroot software via packman on various sites. Here an overview of the successes/failures of the installation of the following packages (update fairroot and pandaroot): pbarprod@panda_extern::jan10 and pbarprod@pandaroot-dev::latest, for the different sites....

Bucharest: panda_extern::jan10 and pandaroot-dev::latest installed. However, the dashboard shows that there are problems related to the installation of geant4 of the external packages panda_extern::jan10: http://fairroot.gsi.de/CDash/testDetails.php?test=44407&build=16382

Glasgow: installs fine, however, missing libG4UIGAG.so (see Dubna)

Dubna: similar situation as that of Bucharest. Something is missing in the installation of Geant4: http://fairroot.gsi.de/CDash/testDetails.php?test=44440&build=16383 . Looks like libG4UIGAG.so has not been build (have seen this error sometimes, but forgot the solution).

Torino: disk full, installation failed

KVI: installation successfull

Juelich: installation panda_extern failed: please check the log file!

Vienna: Also here, the installation worked, however, geant4 libs are not ok (missing symbol): http://fairroot.gsi.de/CDash/testDetails.php?test=44373&build=16381 .

GSI_Ateneo: panda_extern successfully installed. pandaroot-dev installation fails because svn (subversion) is not installed on that site. Is it possible to install this?

GSI: no communication

Pavia: no communication

Concerning the many problems related to the installation of geant4, Mohammad or Florian could you take a look at this, give some hints how to fix it, and also adjust the installation scripts of fairroot such that it checks this as well?

Thanks,

Johan.

Subject: Re: Update of installation fairroot and pandaroot
Posted by Rene Dosdall on Fri, 19 Feb 2010 23:37:19 GMT

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morning

cause i'm too lazy and tired atm i just upped the logfile to the grid ...
/panda/user/p/pbarprod/juelich.log

greets
Rene

Subject: Re: Update of installation fairroot and pandaroot
Posted by Johan Messchendorp on Fri, 19 Feb 2010 23:44:19 GMT
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Hi,

Looks like it went wrong in the root compilation (cint?).... seems that there is a conflict related to the "curses" installation on your system:

Quote:g++ -m64 -O2 -o bin/rlibmap core/utils/src/rlibmap.o
Generating dictionary core/meta/src/G__TCint.cxx...
core/utils/src/rootcint_tmp -cint -f core/meta/src/G__TCint.cxx -c -DG__API
core/meta/inc/TCint.h core/meta/inc/LinkDef_TCint.h
bin/rmkdepend -R -fcore/meta/src/G__TCint.d -Y -w 1000 -- \
        -pipe -m64 -Wall -W -Woverloaded-virtual -fPIC -Iinclude -pthread -D__cplusplus
-Icint/cint/lib/prec_stl \
        -Icint/cint/stl -Icint/cint/inc -- core/meta/src/G__TCint.cxx
g++ -pipe -m64 -Wall -W -Woverloaded-virtual -fPIC -Iinclude -pthread -I. -Icint/cint/inc -o
core/meta/src/G__TCint.o -c core/me
ta/src/G__TCint.cxx
bin/rmkdepend -R -fcore/editline/src/TTermManip.d -Y -w 1000 -- -pipe -m64 -Wall -W
-Woverloaded-virtual -fPIC -Iinclude -pthread '
-DR__CURSESHDR="curses.h"' -I/usr/include/curses -D__cplusplus --
core/editline/src/TTermManip.cxx
g++ -O2 -pipe -m64 -Wall -W -Woverloaded-virtual -fPIC -Iinclude -pthread
'-DR__CURSESHDR="curses.h"' -I/usr/include/curses -o cor
e/editline/src/TTermManip.o -c core/editline/src/TTermManip.cxx
core/editline/src/TTermManip.cxx:199: error: prototype for 'char
TTermManip::SetColor(unsigned char, unsigned char, unsigned char)'
does not match any in class 'TTermManip'
core/editline/src/TTermManip.h:28: error: candidates are: bool TTermManip::SetColor(int)
core/editline/src/TTermManip.h:27: error: bool TTermManip::SetColor(unsigned char,
unsigned char, unsigned char)
core/editline/src/TTermManip.cxx:199: error: 'char TTermManip::SetColor(unsigned char,
unsigned char, unsigned char)' cannot be over
loaded
core/editline/src/TTermManip.h:27: error: with 'bool TTermManip::SetColor(unsigned char,
unsigned char, unsigned char)'
core/editline/src/TTermManip.cxx:205: error: prototype for 'char TTermManip::SetColor(int)'
does not match any in class 'TTermManip'
core/editline/src/TTermManip.h:28: error: candidates are: bool TTermManip::SetColor(int)
core/editline/src/TTermManip.h:27: error: bool TTermManip::SetColor(unsigned char,
unsigned char, unsigned char)

---

core/editline/src/TTermManip.cxx:205: error: 'char TTermManip::SetColor(int)' cannot be overloaded
core/editline/src/TTermManip.h:28: error: with 'bool TTermManip::SetColor(int)'
core/editline/src/TTermManip.cxx: In member function 'char* TTermManip::GetTermStr(const char*)':
core/editline/src/TTermManip.cxx:219: error: 'tigetstr' was not declared in this scope
core/editline/src/TTermManip.cxx: In member function 'int TTermManip::GetTermNum(const char*)':

I personally have not seen this problem before. Does someone has a clue?

Johan

Subject: Re: Update of installation fairroot and pandaroot
Posted by Rene Dosdall on Wed, 03 Mar 2010 13:17:51 GMT

i fixed this one by changing the path of the curses.h check in fairsoft/tools/root/configure from

```
if test ! "x$enable_editline" = "xno" ; then
   check_header "ncurses.h curses.h" "$cursesincdir" \
      /usr/include/ncurses /usr/local/include/ncurses \
      /usr/include/curses /usr/local/include/curses \
      /usr/include /usr/local/include
   cursesincdir=$found_dir
   curseshdr=$found_hdr
to
if test ! "x$enable_editline" = "xno" ; then
   check_header "ncurses.h curses.h" "$cursesincdir" \
      /usr/include/ncurses /usr/local/include/ncurses \
      /usr/include /usr/include/curses /usr/local/include/curses \
      /usr/local/include
   cursesincdir=$found_dir
   curseshdr=$found_hdr
```

i guess else he does not find the curses-devel file or so .)

Subject: Re: Update of installation fairroot and pandaroot
Posted by Johan Messchendorp on Fri, 05 Mar 2010 18:06:59 GMT

Great!

To avoid the same problem next time, I would propose to add this change in the fairroot repository. Florian or Mohammad, would that be fine with you guys?

Thanks in advance,

Johan.

Subject: Re: Update of installation fairroot and pandaroot
Posted by Mohammad Al-Turany on Fri, 05 Mar 2010 18:29:45 GMT

Hi,

Not really! This is a root file and it is not our stuff! it looks that you have two packages installed on your system and it depends on which one he find first it crashes or not!

So we have to find another solution for this.

regards

Mohammad

Subject: Re: Update of installation fairroot and pandaroot
Posted by Johan Messchendorp on Fri, 05 Mar 2010 18:39:44 GMT

hmm, Mohammad is right, that's nasty... it is probably better to run the configure script "rootconfig.sh" with option --with-curses-incdir <...> --with-curses-libdir <...> in the configure line. This instead of hacking into the configure. What you can do, Rene, is write a patch for the juelich installation that changes the rootconfig.sh in the external package and put that in packman.

Johan.