## Subject: [FIXED] problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 12:05:56 GMT

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Dear all,

since one year I find very difficult to install new releases in pandaroot. The problem is always the same: when arrving at the point to compile, I get error, and I don't know why.

This time I tried to install everything from scratch, e.g. https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootInstallGit

(standard installations)

- 1) Installing again external package fairsoft mar15.... fine!
- 2) Installing FairRoot...troubles:

>>>> cmake

- -DCMAKE\_INSTALL\_PREFIX=/home/prencipe/panda/fairsoft\_mar15/buildFairRoot/home/prencipe/panda/fairsoft\_mar15/FairRoot
- -- fairsoft-config found
- -- C compiler used for FairSoft installation: /usr/bin/gcc
- -- C compiler used now: /usr/bin/gcc
- -- CXX compiler used for FairSoft installation: /usr/bin/g++
- -- CXX compiler used now: /usr/bin/c++
- -- The compiler during the compilation of FairSoft is different from the current one.

CMake Error at cmake/modules/CheckCompiler.cmake:64 (Message):

This is seen as an error. If you know that the setting is correct you can silence the error by using the CMake flag -DUSE\_DIFFERENT\_COMPILER=TRUE Call Stack (most recent call first):

CMakeLists.txt:55 (Check\_Compiler)

3) even not possible this time to start the installation of the release. In general, I ge ttrouble when doing cmake in the release/build. This time a step above. I am following step by step the tutorial. MY OS is Fedora19.

At the third attempt of the day, deleting everything and starting all over again, I give up. If nobody has any idea how to solve and improve this, I cannot test genfit2 in releases >= mar15. From my point of view, it works good in oct14, as in my /development/ no problems occur.

It is a pain since one year to work with new pandaroot releases, really...

Looking forward to hear from you Best regards, Elisabetta

Subject: Re: problems in installing a pandaroot release (usual problems)

## Posted by StefanoSpataro on Tue, 12 Apr 2016 12:28:39 GMT

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Elisabetta Prencipe (2) wrote on Tue, 12 April 2016 14:05Dear all, 2) Installing FairRoot...troubles:

>>>> cmake

- -DCMAKE\_INSTALL\_PREFIX=/home/prencipe/panda/fairsoft\_mar15/buildFairRoot/home/prencipe/panda/fairsoft\_mar15/FairRoot
- -- fairsoft-config found
- -- C compiler used for FairSoft installation: /usr/bin/gcc
- -- C compiler used now: /usr/bin/gcc
- -- CXX compiler used for FairSoft installation: /usr/bin/g++
- -- CXX compiler used now: /usr/bin/c++
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.

First of all. it should be:

cmake -DCMAKE\_INSTALL\_PREFIX=/home/prencipe/panda/fairsoft\_mar15/buildFairRoot /home/prencipe/panda/fairsoft\_mar15/buildFairRoot ../

CMAKE\_INSTALL\_PREFIX is where you are going to export the libraries, not where the code is staying. If you check the wiki page:

pandauser@panda-VirtualBox:~/fairsoft\_mar15/FairRoot/build\$ cmake -DCMAKE\_INSTALL\_PREFIX=/home/pandauser/fairsoft\_mar15/buildFairRoot/home/pandauser/fairsoft\_mar15/FairRoot

Second, the error is known, and in wiki it is described how to fix it:

pandauser@panda-VirtualBox:~/fairsoft\_mar15/FairRoot/build\$ cmake

- -DUSE DIFFERENT COMPILER=TRUE
- -DCMAKE\_INSTALL\_PREFIX=/home/pandauser/fairsoft\_mar15/buildFairRoot/home/pandauser/fairsoft\_mar15/FairRoot

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 12:34:50 GMT View Forum Message <> Reply to Message

Hello Stefano.

following your instruction n. 1 (which is not what I read in the wiki) I get again:

- -- fairsoft-config found
- -- C compiler used for FairSoft installation: /usr/bin/gcc
- -- C compiler used now: /usr/bin/gcc
- -- CXX compiler used for FairSoft installation: /usr/bin/g++
- -- CXX compiler used now: /usr/bin/c++
- -- The compiler during the compilation of FairSoft is different from the current one.

CMake Error at cmake/modules/CheckCompiler.cmake:64 (Message):

This is seen as an error. If you know that the setting is correct you can silence the error by using the CMake flag -DUSE\_DIFFERENT\_COMPILER=TRUE Call Stack (most recent call first):

CMakeLists.txt:55 (Check\_Compiler)

-- Configuring incomplete, errors occurred!

See also " /home/prencipe/panda/fairsoft\_mar15/FairRoot/build/CMakeFiles/CMakeOutpu t.log "

any idea? thanks, cheers, Elisabetta

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 12:40:01 GMT View Forum Message <> Reply to Message

Hi again,

what I mean is:

- ~/fairsoft\_mar15/FairRoot/build\$ cmake
- -DCMAKE\_INSTALL\_PREFIX=/home/prencipe/panda/fairsoft\_mar15/buildFairRoot/home/prencipe/panda/fairsoft\_mar15/FairRoot

I get error at this point.

This is what I read in the wiki.

Elisabetta

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by StefanoSpataro on Tue, 12 Apr 2016 12:49:33 GMT

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Hi:

You did not notice the second line in the box.

About the problem -DUSE\_DIFFERENT\_COMPILER, the solution is described in the second point.

cmake -DUSE\_DIFFERENT\_COMPILER=TRUE -DCMAKE\_INSTALL\_PREFIX=/home/pandauser/fairsoft\_mar15/buildFairRoot /home/pandauser/fairsoft\_mar15/FairRoot

## File Attachments

- 1) Schermata 2016-04-12 alle 14.40.43.png, downloaded 827 times
  - Call cmake to create your make files or project files for Xcode. Eclipse, KDeveloper, etc. You need to specify the location and the source code directory:

pandauser@panda-VirtualBox:~/fairsoft\_mar15/FairRoot/build\$ cmake -DCMAKE\_INSTALL\_PREFIX=/Nome/pandauser/fairsoft\_mar15/FairRoot

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 12:51:08 GMT View Forum Message <> Reply to Message

...just tried...does not work.

I can delete again and start all over again....it's all the day long I ma doing this, one more, one less..... it should not be like so. It was not like so, indeed.

Elisabetta

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by StefanoSpataro on Tue, 12 Apr 2016 12:59:20 GMT View Forum Message <> Reply to Message

What is the error message now?

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 13:18:09 GMT View Forum Message <> Reply to Message

Boost\_INCLUDE\_DIR (ADVANCED)

used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/base used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/base used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/parmq

used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/parmq used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/parmq used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/parmq used as include directory in directory

/home/prencipe/panda/fairsoft\_mar15/FairRoot/examples/advanced/Tutorial8 used as include directory in directory

/home/prencipe/panda/fairsoft\_mar15/FairRoot/examples/advanced/Tutorial8 ZMQ INCLUDE DIR (ADVANCED)

used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/parmq used as include directory in directory /home/prencipe/panda/fairsoft mar15/FairRoot/parmq

-- Configuring incomplete, errors occurred!

See also " /home/prencipe/panda/fairsoft\_mar15/FairRoot/build/CMakeFiles/CMakeOutpu t.log "

See also "/home/prencipe/panda/fairsoft\_mar15/FairRoot/build/CMakeFiles/CMakeError.log ".

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 13:33:51 GMT View Forum Message <> Reply to Message

Hi Stefano, some additional info about the debugging errors:

>>>>>>>>

-- Building of the FairMQ library is switched off since C++11 or the necessary boost libraries couldn't be found on the system

running /bin/chmod u+x

/home/prencipe/panda/fairsoft\_mar15/FairRoot/build/examples/advanced/Tut orial8/macros/unpack\_mbs.sh 2>&1

CMake Error: The following variables are used in this project, but they are set to NOTFOUND.

Please set them or make sure they are set and tested correctly in the CMake files:

<<<<<<<

Could you suggest a further step to avoid the problem in compilation?

Thanks a lot for your help, Elisabetta

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 14:01:46 GMT View Forum Message <> Reply to Message

Hi again Stefano,

in the tutorial is written:

git checkout -b v-15.11 v-15.11

is the v-15.11 the current one? Maybe there is something to update in the tutorial? I say

because in the message that I obtain is written:

- -- C++11 support found.
- -- Build CbmModule with Gdml support
- -- C++11 support & boost libraries found. FairMQ will be built.

running /bin/chmod u+x

/home/prencipe/panda/fairsoft\_mar15/FairRoot/build/examples/advanced/Tut orial8/macros/unpack\_mbs.sh 2>&1

-- Found Git: /usr/bin/git (found version "1.8.3.1")

CMake Error: The following variables are used in this project, but they are set to NOTFOUND. Please set them or make sure they are set and tested correctly in the CMake files:

ZMQ INCLUDE DIR (ADVANCED)

used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/parmq used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/fairmq used as include directory in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/fairmq

/home/prencipe/panda/fairsoft\_mar15/FairRoot/fairmq/test used as include directory in directory

/home/prencipe/panda/fairsoft\_mar15/FairRoot/fairmq/test

ZMQ\_LIBRARY\_SHARED (ADVANCED)

linked by target "FairMQ" in directory /home/prencipe/panda/fairsoft\_mar15/FairRoot/fairmq

-- Configuring incomplete, errors occurred!

See also "/home/prencipe/panda/fairsoft\_mar15/FairRoot/build/CMakeFiles/CMakeOutpu t.log

See also "/home/prencipe/panda/fairsoft mar15/FairRoot/build/CMakeFiles/CMakeError.log ".

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by StefanoSpataro on Tue, 12 Apr 2016 14:35:09 GMT

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v-15.11 is the FairRoot suggested version. I have never seen such error, but I don't have a Fedora 19.

You could try asking in the FairRoot forum.

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Tue, 12 Apr 2016 14:59:57 GMT View Forum Message <> Reply to Message

Hi,

what is the FairRoot forum?

What I see is that it is impossible to work with pandaroot for me, since a while. Only old releases.

Best regards, Elisabetta

Subject: Re: problems in installing a pandaroot release (usual problems)
Posted by StefanoSpataro on Tue, 12 Apr 2016 15:02:08 GMT

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https://forum.gsi.de/index.php?t=i&cat=36&

Subject: Re: problems in installing a pandaroot release (usual problems) Posted by Elisabetta Prencipe (2) on Wed, 13 Apr 2016 08:57:09 GMT View Forum Message <> Reply to Message

Hello Stefano.

it looks there were some problems with a few packages, that could not be checked just running the ./config.sh script.

So, 2 level-problems:

1) dependencies. Tobias helped yesterday with that. From the web page: https://github.com/FairRootGroup/FairSoft/blob/master/DEPENDENCIES

Fedora, Redhat, Scientific Linux and other Redhat based systems:

yum install cmake gcc gcc-c++ gcc-gfortran make patch sed \
libX11-devel libXft-devel libXpm-devel libXext-devel \
libXmu-devel mesa-libGLU-devel mesa-libGL-devel ncurses-devel \
curl bzip2 libbz2-dev gzip unzip tar expat-devel \
subversion git flex bison imake redhat-lsb-core \
python-devel libxml2-devel wget openssl-devel curl-devel \
automake autoconf libtool

2) missing packages (pythia6, geant3,...)
I downloaded them manually, and now it works.
Florian proposes: git checkout -b tag\_mar15p6 mar15p6 (please, see his last message in the general FiarRoot forum).

Indeed, when doing 'cmake' I always need to type:

cmake -DUSE\_DIFFERENT\_COMPILER=TRUE -DCMAKE\_INSTALL\_PREFIX=/home/prencipe/panda/fairsoft\_mar15/buildFairRoot /home/prencipe/panda/fairsoft\_mar15/FairRoot

The patch '-DUSE\_DIFFERENT\_COMPILER=TRUE' is always needed (Fedora19) for both, FairRoot and pandaroot installation.

cheers, Elisabetta