
Subject: [FIXED] External package installation problem

Posted by [Dave](#) on Thu, 25 Feb 2016 05:47:26 GMT

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Hi, I have the following problem regarding the installation of external packages. It would be great to receive any kind of help and suggestions.

```
*** Package gtest is OK ***
```

```
*** Package gsl is OK ***
```

```
*** Compiling Boost .....
```

```
The patch boost_glibc.patch is already applied.
```

```
Building Boost.Build engine with toolset gcc...
```

```
Failed to build Boost.Build build engine
```

```
Consult 'bootstrap.log' for more details
```

```
scripts/install_boost.sh: line 67: ./b2: No such file or directory
```

```
**** Checking libraries in /home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/lib ****
```

```
*** ERROR: Boost could not be created.
```

```
*** End installation of external packages with Errors***
```

Thanks and regards...

Debdeep

Subject: Re: External package installation problem

Posted by [Florian Uhlig](#) on Thu, 25 Feb 2016 07:45:40 GMT

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Hi Debdeep,

the problem is that with the given information it is not possible to draw any conclusion.

Quote:

```
Building Boost.Build engine with toolset gcc...
```

```
Failed to build Boost.Build build engine
```

```
Consult 'bootstrap.log' for more details
```

Could you please attach the file bootstrap.log which should be in the directory basics/boost.

Ciao

Florian

Subject: Re: External package installation problem

Posted by [Stefano Spataro](#) on Thu, 25 Feb 2016 07:59:31 GMT

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Are you sure the boost package was properly downloaded? Sometimes you can have a broken

connection. In any case, this is not the original error log but the one after trying to reinstall it. If you install FairSoft from scratch you could see the original error.

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 08:39:46 GMT
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Hi, here I attach both the bootstrap.sh file and regarding the installation the boost.sh file.
thanks and regards...

File Attachments

- 1) [bootstrap.sh](#), downloaded 213 times
 - 2) [install_boost.sh](#), downloaded 226 times
-

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 08:44:42 GMT
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Hi stefano,
I have to check that though I don't think there was a connection issue, because I tried to reinstall the packages and it gave the same error.
thanks and regards...

Subject: Re: External package installation problem
Posted by [Florian Uhlig](#) on Thu, 25 Feb 2016 08:55:09 GMT
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Hi,

I don't need the shell script. I need the log file bootstrap.log.

Subject: Re: External package installation problem
Posted by [Stefano Spataro](#) on Thu, 25 Feb 2016 08:59:15 GMT
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Again, can you reinstall from scratch and copy the error log?

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 09:00:51 GMT
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Hi Florian,
yes, sorry for my mistake.

here is the log file.
thanks and regards...

File Attachments

1) [bootstrap.log](#), downloaded 249 times

Subject: Re: External package installation problem
Posted by [Florian Uhlig](#) on Thu, 25 Feb 2016 09:14:55 GMT
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Hi,

the only thing the log tells you

Quote:

```
/bootstrap.sh: 218: cd: can't cd to ./tools/build/v2/engine
```

I think something went wrong either with the download of the boost tar file or with the unpacking such that the required software is not present when you try to use it. I would propose to start from scratch with a new checkout of fairsoft and see if it works the second time.

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 11:54:38 GMT
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Hello,

I tried to reinstall from the scratch, that previous issue is gone. Thanks again. But, now I have the following problem:

```
curl: (60) SSL certificate problem: unable to get local issuer certificate  
More details here: http://curl.haxx.se/docs/sslcerts.html
```

curl performs SSL certificate verification by default, using a "bundle" of Certificate Authority (CA) public keys (CA certs). If the default bundle file isn't adequate, you can specify an alternate file using the `--cacert` option.

If this HTTPS server uses a certificate signed by a CA represented in the bundle, the certificate verification probably failed due to a problem with the certificate (it might be expired, or the name might not match the domain name in the URL).

If you'd like to turn off curl's verification of the certificate, use the `-k` (or `--insecure`) option.

```
*** Unpacking xerces-c-3.1.2.tar.gz .....  
--E-- Cannot unpack package xercesc
```

thanks and regards...

Subject: Re: External package installation problem
Posted by [Tobias Stockmanns](#) on Thu, 25 Feb 2016 11:58:39 GMT
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We see the same problem with the certificates in Jülich.

Cheers,

Tobias

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 12:16:39 GMT
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ah okay. So, any suggestion to solve it or not yet?
thanks and regards...

Subject: Re: External package installation problem
Posted by [Florian Uhlig](#) on Thu, 25 Feb 2016 12:49:37 GMT
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The error is due to another problem since the xerces-c package isn't present at location any longer. This has to be fixed in the fairsoft package.

But this package is only needed when you install fairsoft with the python bindings which is something not needed for any of the fair experiments.

So please choose not to install the python binding for the time being.

What about your boost problem??

Subject: Re: External package installation problem
Posted by [Florian Uhlig](#) on Thu, 25 Feb 2016 13:35:48 GMT
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The problem with the xerces-c package was fixed in all relevant branches and tagged versions of fairsoft.

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 13:55:11 GMT
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Hi Florian,

All right I will now try installing without the python binding. As I told you earlier the boost problem has gone during the re-installation.
thanks and regards...

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 14:42:03 GMT
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Hi again,

what about this error?

CMake Error: The source directory

"/home/debdeep/Desktop/Panda/fairsoft_mar15/transport/geant4" does not appear to contain CMakeLists.txt.

Specify --help for usage, or press the help button on the CMake GUI.

make: *** No rule to make target `install'. Stop.

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/G4ABLA': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/G4EMLOW': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/G4ENSDFSTATE': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/G4NDL': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/G4NEUTRONXS': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/G4PII': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/G4SAIDDATA': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/PhotonEvaporation': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/RadioactiveDecay': No such file or directory

In: failed to create symbolic link

'/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4/d ata/RealSurface': No such file or directory

```
scripts/install_geant4.sh: line 137:
/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/share/Geant4-10
.0.2/geant4make/geant4make.sh: No such file or directory
*** ERROR: geant4 could not be created.
*** End installation of external packages with Errors***
```

I checked three times and I didn't do any mistake following the wiki guide.
thanks and regards...

Subject: Re: External package installation problem
Posted by [Florian Uhlig](#) on Thu, 25 Feb 2016 14:54:38 GMT
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It looks like that the Geant4 wasn't downloaded properly. At least the installation script doesn't find the needed input.

Could you check the content of the directory

Quote:

```
/home/debdeep/Desktop/Panda/fairsoft_mar15/transport/geant4"
```

Subject: Re: External package installation problem
Posted by [Dave](#) on Thu, 25 Feb 2016 15:06:40 GMT
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I am re-installing again from the scratch with another stable connection just to see any difference from the previous one. I will inform you about any further progress till this point.
thanks and regards...

Subject: Re: External package installation problem
Posted by [Stefano Spataro](#) on Thu, 25 Feb 2016 15:20:20 GMT
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It seems to me that you have a slow connection and that the download of one of the packages run in timeout (most probably G4ABLA). This happens often with VM. Maybe you should try to download the packages and try the "directory" method, if the problem persists.

Subject: Re: External package installation problem
Posted by [Dave](#) on Mon, 29 Feb 2016 05:24:52 GMT
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Hi Florian and Stefano,

With a more stable and faster connection during the reinstallation I have overcome those previous problems. I have completed all the Fairsoft, Fairroot and Pandaroot parts. But at the very end as a last step as recommended in the guide I tried to check whether the PandaRoot

installation went fine or not. For that after launching config.sh I ran the macro sim_complete.C inside root, but it crashes. The console gives some error message, like:

```
[ERROR ] init() PndEmcGeoPar not initialized
Error in <FairRuntimeDb::initContainers(>: Error occurred during initialization
Error: Symbol TGeant3TGeo is not defined in current scope
/home/debdeep/Desktop/Panda/fairsoft_mar15/pandaroot/gconfig/g3Config.C: 12:
Error: type TGeant3TGeo not defined
FILE:/home/debdeep/Desktop/Panda/fairsoft_mar15/pandaroot/gconfig/g3Config.C LINE:12
*** Interpreter error recovered ***
Error: illegal pointer to class object gMC 0x0 2736
/home/debdeep/Desktop/Panda/fairsoft_mar15/pandaroot/gconfig/SetCuts.C:2 3:
*** Interpreter error recovered ***

*** Break *** segmentation violation
```

```
=====
There was a crash (#6 0xb719ef6b in SigHandler(ESignals) () from
/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/lib/root/libCore.so.5.34).
```

Can anyone please have any idea or suggestion how to fix this issue?
AS I encountered the problem previously even, I checked `find $SIMP_PATH -name libgeant321*`, which shows: `/home/debdeep/Desktop/Panda/fairsoft_mar15/buildFairSoft/lib/libgeant321.so`

My output of configure.sh is:

```
System during compilation: Ubuntu 14.04.2 LTS
i686
System now : Ubuntu 14.04.2 LTS
i686
```

thanks and regards...

Subject: Re: External package installation problem
Posted by [Stefano Spataro](#) on Mon, 29 Feb 2016 08:45:02 GMT
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Hi,
I have seen this many times, each time there are problems in the geant3 installation. Maybe you could try to clean the transport/geant3 folder and configure again. I did the installation on a 14.04.2 two weeks ago without problems, then it is not a problem of the OS.

Subject: Re: External package installation problem
Posted by [Dave](#) on Mon, 29 Feb 2016 11:46:37 GMT
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Hi,

Thanks. So, You meant to delete the geant3 folder and re-install the Fairsoft, fairroot and Pandaroot again? Is that correct? or Pandaroot has nothing to do with it?
regards...

Subject: Re: External package installation problem
Posted by [Stefano Spataro](#) on Mon, 29 Feb 2016 11:47:49 GMT
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In theory it could be enough to install only FairSoft geant3, the other things should be linked.

Subject: Re: External package installation problem
Posted by [Dave](#) on Mon, 29 Feb 2016 11:52:04 GMT
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all right. Thanks. I will let you know.

Subject: Re: External package installation problem
Posted by [Dave](#) on Mon, 29 Feb 2016 15:53:12 GMT
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Hi Stefano,

It still gives the same result, i.e the crash! I launched configure.sh after deleting the geant3 folder and followed by the trial of the running of the macro sim_complete.C.
Here is the contained files inside geant3 folder and Tgeant3 subfolder:

```
debdeep@debdeep-HP-630-Notebook-PC:~/Desktop/Panda/fairsoft_mar15/transp
ort/geant3$ ls
added comad erpremc gbase          gdraw  gheisha giface gphys  guser  matx55
neutron  README_geane
block data  examples gcalor_vmc.diff geant321 ghits  giopa  gscan  gxint  miface
peanut  README_geane_more
cdf doc  fiface gcinit.F  geocad  ghroun  gkine  gstrag  gxuser  miguti  README
      TGeant3
cgpack erdecks fluka  gcons          ggeom  ghutils gparal gtrak  Makefile minicern
README_gcalor version_number
debdeep@debdeep-HP-630-Notebook-PC:~/Desktop/Panda/fairsoft_mar15/transp
ort/geant3$ ls TGeant3/
G3Material.cxx G3Medium.h G3Volume.cxx TCallf77.h      TGeant3.cxx
TGeant3gu.cxx TGeant3TGeo.cxx
G3Material.h G3Node.cxx G3Volume.h  TG3Application.cxx TGeant3f77.cxx
TGeant3gu.h TGeant3TGeo.h
G3Medium.cxx G3Node.h geant3LinkDef.h TG3Application.h TGeant3f77.h TGeant3.h
```

thanks and regards...

Subject: Re: External package installation problem
Posted by [StefanoSpataro](#) on Mon, 29 Feb 2016 16:10:28 GMT
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I suggest to open a new entry at the FairRoot forum. Here the original post was for another error which was fixed.
