Subject: [FIXED] Installation of External packages on ubuntu 14.04 LTS version
Posted by Ajay Kumar on Tue, 15 Jul 2014 04:42:23 GMT

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Dear All,

I have installed ubuntu 14.04 LTS(Latest ubuntu version) on my 64 bit machine. Now I went for PANDAROOT installation. As a first step, I have downloaded the external packages from the below svn link:-

svn co https://subversion.gsi.de/fairroot/fairsoft/release/apr13

When I am going to configure the external package by the cammand ./configure.sh. its shows missing package like as-

Please enter a choice from the above menu: 2
Checking for GNU Make:
dpkg-architecture found in PATH
Checking dpkg-architecture
patch found in PATH
wget found in PATH
Subversion client found in PATH
Checking for
 libX11 ...
/usr/lib/x86_64-linux-gnu
Checking for
 libXpm ...
/usr/lib/x86_64-linux-gnu
Checking for
 libXmu ...
/usr/lib/x86_64-linux-gnu
Checking for
 X11/Xlib.h ...
/usr/include
Checking for
 X11/Xft/Xft.h ...
/usr/include
Checking for
 X11/extensions/shape.h ...
/usr/include
Checking for
 libXft ...
/usr/lib/x86_64-linux-gnu
Checking for
 libXext ...
/usr/lib/x86_64-linux-gnu
Checking for
 GL/gl.h ...
no
Checking for
 libGL,
 or

libMesaGL ...
no
Checking for
 libGLU,
 or
 libMesaGLU ...
no
 Missing packages ....OpenGL is not installed in this system

unfortunately, I could not find this package in my machine.

Is it the problem with new ubuntu release ?
How to install this missing packages ?

Thanking you.

Subject: Re: Installation of External packages on ubuntu 14.04 LTS version
Posted by StefanoSpataro on Tue, 15 Jul 2014 05:33:16 GMT
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Take a look here:

http://fairroot.gsi.de/?q=node/63

Subject: Re: Installation of External packages on ubuntu 14.04 LTS version
Posted by Florian Uhlig on Tue, 15 Jul 2014 06:32:14 GMT
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Hi,

it should be enough to execute the following command on your machine. This should install all dependencies.
"apt" is the package manager on debian based systems.

sudo apt-get install cmake cmake-data g++ gcc gfortran build-essential make patch sed \
libx11-dev libxft-dev libxext-dev libxpm-dev libxmu-dev libglu1-mesa-dev libgl1-mesa-dev \
curl bzip2 gzip unzip tar subversion git

Ciao

Florian

Subject: Re: Installation of External packages on ubuntu 14.04 LTS version
Posted by Ajay Kumar on Tue, 15 Jul 2014 08:08:45 GMT
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Thanks Stefano and Florian.

Now its works but with root building problem. the error is looks as:-

*** Building libAfterImage ...
make[1]: Entering directory `/home/ajay/apr13/tools/root/graf2d/asimage/src/libAfterImage'
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC   -I/usr/include/freetype2   -c asfont.c -o
asfont.o
asfont.c:67:33: fatal error: freetype/freetype.h: No such file or directory
 # include <freetype/freetype.h>
                                  ^
compilation terminated.
make[1]: *** [asfont.o] Error 1
make[1]: Leaving directory `/home/ajay/apr13/tools/root/graf2d/asimage/src/libAfterImage'
make: *** [graf2d/asimage/src/libAfterImage/libAfterImage.a] Error 2
**** Checking libraries in /home/ajay/fairsoft/lib ****
*** ERROR: root could not be created.
*** End installation of external packages with Errors***

Please suggest to resolve this problem.

Thanks

Subject: Re: Installation of External packages on ubuntu 14.04 LTS version
Posted by Florian Uhlig on Tue, 15 Jul 2014 09:01:06 GMT
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Hi,

this is a problem already known by the ROOT team and fixed in newer ROOT versions. You can find the complete information at http://root.cern.ch/phpBB3/viewtopic.php?f=3&t=17419

To solve the problem please add the following statement

   --enable-builtin-freetype

to the configure command in the file tools/rootconfig.sh in the source code of the external packages. After you did this rerun the configure command. With this change you will use the freetype library which comes with ROOT instead of the system one.

Ciao

Florian

Subject: Re: Installation of External packages on ubuntu 14.04 LTS version
Posted by MartinJGaluska on Tue, 15 Jul 2014 11:11:58 GMT
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For issues with the external packages I would suggest to have a look at the FairRoot forum

and to report the problems there if they are new. The exact problem you found was reported and solved some weeks ago already:

See here
https://forum.gsi.de/index.php?t=msg&th=4230&start=0&
and here
https://forum.gsi.de/index.php?t=msg&th=4253&start=0&

Kind regards,
Martin

Subject: Re: Installation of External packages on ubuntu 14.04 LTS version
Posted by Ajay Kumar on Tue, 15 Jul 2014 11:27:39 GMT
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It works for me now.

Yes, we should have a look of fairroot forum related to external package issues. I have taken look only on PANDA forum thats why I could not see the discussion.

Thank you to all.