
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 [Stefano Spataro](#) 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.
