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Subject: fairroot jan12 cannot be built on my Ubuntu 12.04 64 bit [SOLVED]

Posted by [MartinJGaluska](#) on Fri, 01 Jun 2012 17:36:02 GMT

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Hello all,

probably, I am doing something wrong, but on my Ubuntu 12.04 64 bit system I cannot build fairroot jan 12. I called

```
./configure.sh
```

from the directory /home/fairroot/jan12 (created with svn co <https://subversion.gsi.de/fairroot/fairsoft/release/jan12>) and chose the following options:

```
1 - GCC
2 - Debug Info
1 - Don't Install
2 - Yes
```

I then entered /home/fairroot/buildjan12 (I created this folder beforehand and have read+write permission for it)

The error I get is:

```
Is /home/fairroot/buildjan12 the correct path?
```

```
1) No
2) Yes
3) Quit
```

```
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 ...
/usr/include
Checking for
libGL,
or
libMesaGL ...
/usr/lib/x86_64-linux-gnu
Checking for
libGLU,
or
libMesaGLU ...
/usr/lib/x86_64-linux-gnu
OpenGL found on this system
C++ compiler found in PATH
*** Compiling the external packages with the GCC compiler
*** Building the libraries with debug information
The following parameters are set.
System          : 64bit
C++ compiler    : g++
C compiler      : gcc
Fortran compiler : gfortran
CXXFLAGS       : -g -O0
CFLAGS         : -g -O0
Compiler       : gcc
Fortran compiler : gfortran
Debug          : yes
Optimization   : no
Platform       : linux
Architecture   : linuxx8664gcc
G4System       : Linux-g++
g4_data_files  : no
g4_get_data    : no
Number of parallel
processes for build : 2
cmake not found in PATH
install cmake as external package
*** Package CMake is OK ***
*** Package gtest is OK ***
*** Package glpk is OK ***
*** Package gsl is OK ***
*** Package Boost is OK ***
```

```
*** Package ApMon is OK ***
*** Package ml-gsoapclient is OK ***
*** Package Pythia6 is OK ***
*** Package pythia8 is OK ***
*** Package Clhep is OK ***
*** Package Geant4-Source is OK ***
*** Package Geant4-lib is OK ***
*** Package root is OK ***
*** Package pluto is OK ***
*** Compiling Geant3 .....
```

```
can't find file to patch at input line 3
Perhaps you used the wrong -p or --strip option?
The text leading up to this was:
```

```
-----
|--- Makefile_old 2011-12-15 12:39:43.606586695 +0100
|+++ Makefile 2011-12-15 12:40:16.438643247 +0100
-----
```

```
File to patch:
Skip this patch? [y]
Skipping patch.
1 out of 1 hunk ignored
/home/fairroot/buildjan12/bin:/home/fairroot/buildjan12/bin:/home/fairroot/buildjan12/bin:/usr/lib/
lightdm/lightdm:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:
```

```
make: *** No targets specified and no makefile found. Stop.
cp: cannot stat `/home/fairroot/jan12/transport/geant3/lib/tgt_linuxx8664gcc/libgeant321.so': No
such file or directory
cp: cannot stat `/home/fairroot/jan12/transport/geant3/TGeant3/*.h': No such file or directory
**** Checking libraries in /home/fairroot/buildjan12/lib ****
*** ERROR: Geant3 could not be created.
*** End installation of external packages with Errors***
```

Note that there is no fairroot user on my system. I chose this path, however, because my home folder is on a separate hard drive and I want fairroot to save its files to the system disk.

Choosing "No" when asked  
Quote:

Would you like to install all binaries, libraries etc. to a dedicated directory.  
The default is up to now 'No' which means that all created files will be in the source directories.

I run into the same problem.

Any help would be much appreciated.

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Subject: Re: fairroot jan12 cannot be built on my Ubuntu 12.04 64 bit  
Posted by [Mohammad Al-Turany](#) on Fri, 01 Jun 2012 18:19:55 GMT  
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Hi,

I think the problem is that geant3 was not downloaded by the svn checkout, can you please go to the /home/fairroot/jan12/transport/ and check that the geant3 directory exist? if not simply call svn update there.

Quote:Note that there is no fairroot user on my system. I chose this path, however, because my home folder is on a separate hard drive and I want fairroot to save its files to the system disk.

This does not effect anything here.

regards,

Mohammad

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Subject: Re: fairroot jan12 cannot be built on my Ubuntu 12.04 64 bit

Posted by [MartinJGaluska](#) on Fri, 01 Jun 2012 18:36:25 GMT

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Thank you very much for your fast reply Mohammad.

There was a Geant3 directory in transport, but

svn update

said it was not a working copy. I deleted the directory, ran svn update again and now everything works. Thank you!

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