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Subject: May11 with ubuntu 11.04

Posted by [Stefano Spataro](#) on Thu, 19 May 2011 09:07:06 GMT

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Dear all,

I have just updated my Ubuntu version to 11.04.

I have problems in the "check\_system.sh" script, when installing may11 external packages.

In particular, I have the error:

```
patch found in PATH
```

```
wget found in PATH
```

```
Subversion client found in PATH
```

```
Checking for
```

```
libX11 ...
```

```
no
```

```
configure.sh: libX11 (package libX11-devel) MUST be installed
```

But libX11 is installed in:

```
spataro@briareos:~/may11$ ls -l /usr/lib32/libX11*
```

```
lrwxrwxrwx 1 root root 11 2011-05-19 10:00 /usr/lib32/libX11.so -> libX11.so.6
```

```
lrwxrwxrwx 1 root root 15 2011-05-19 10:00 /usr/lib32/libX11.so.6 -> libX11.so.6.3.0
```

```
-rw-r--r-- 1 root root 1151776 2011-04-09 11:00 /usr/lib32/libX11.so.6.3.0
```

```
lrwxrwxrwx 1 root root 15 2011-05-19 10:00 /usr/lib32/libX11-xcb.so -> libX11-xcb.so.1
```

```
lrwxrwxrwx 1 root root 19 2011-05-19 10:00 /usr/lib32/libX11-xcb.so.1 ->
```

```
libX11-xcb.so.1.0.0
```

```
-rw-r--r-- 1 root root 5292 2011-04-09 11:00 /usr/lib32/libX11-xcb.so.1.0.0
```

Don't ask me why in lib32, the pc is a 64bit machines.

What should I do?

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Subject: Re: May11 with ubuntu 11.04

Posted by [Florian Uhlig](#) on Thu, 19 May 2011 09:54:19 GMT

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Hi Stefano,

Quote:

Don't ask me why in lib32, the pc is a 64bit machines.

What should I do?

Blame Ubuntu ;-}}

Can you please check if this are 32bit libraries pr 64bit libraries in the wrong directory.

```
file -L "filename"
```

Ciao

Florian

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Subject: Re: May11 with ubuntu 11.04

Posted by [Felix Boehmer](#) on Thu, 19 May 2011 10:40:33 GMT

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Hi,

just check where the check\_system.sh looks for the libraries ... You can always just create a symbolic link in one of those directotries to your actual library. I had to do this for my latest installation on Ubuntu for a couple of libraries.

Imho this is preferable to hacking the script itself.

Cheers

Felix

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Subject: Re: May11 with ubuntu 11.04

Posted by [Bernd Lewandowski](#) on Thu, 19 May 2011 10:54:20 GMT

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Hi Stefano,

the package you are checking is libX11. The checking script is looking for the header files. These files are in the package libX11-devel.

Best Regards,  
Bernd

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Subject: Re: May11 with ubuntu 11.04

Posted by [StefanoSpataro](#) on Thu, 19 May 2011 11:48:22 GMT

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In Unbuntu there are no libX11-devel but libX11-dev.

They were installed, but under /usr/lib/x86\_64-linux-gnu, that I have added in my

check\_system.sh (the ones in lib32 were really 32bit).

I add the same problem with libXfte, libXext. Now it seems to run (hopefully). I do not know if it is the case to fix it in the repository.

Just to be complete, I have not installed the new Ubuntu from scratch but I have updated my 10.10, maybe in the procedure it has not created the proper links in /usr/lib, I don't know what to say...

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Subject: Re: May11 with ubuntu 11.04

Posted by [Stefano Spataro](#) on Thu, 19 May 2011 12:36:34 GMT

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Now,  
trying to install root, I have the following error:

```
==> lib/libFitPanel.so done
bin/rmkdepend -R -fproof/proof/src/TDataSetManager.d -Y -w 1000 -- -pipe -m64 -Wshadow
-Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/home/spataro/may11/tools/root/proof/proof/src/TDataSetManager.cxx
g++ -O2 -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
proof/proof/src/TDataSetManager.o -c
/home/spataro/may11/tools/root/proof/proof/src/TDataSetManager.cxx
/home/spataro/may11/tools/root/proof/proof/src/TDataSetManager.cxx: In member function
'virtual void TDataSetManager::MonitorUsedSpace(TVirtualMonitoringWriter*)':
/home/spataro/may11/tools/root/proof/proof/src/TDataSetManager.cxx:708:1: internal compiler
error: in redirect_jump, at jump.c:1443
Please submit a full bug report,
with preprocessed source if appropriate.
See <file:///usr/share/doc/gcc-4.5/README.Bugs> for instructions.
make: *** [proof/proof/src/TDataSetManager.o] Errore 1
**** Checking libraries in /home/spataro/may11/tools/root/lib ****
*** ERROR: root could not be created.
*** End installation of external packages with Errors***
spataro@briareos:~/may11$
```

This time I have no clue. Has somebody already tried to compile with gcc 4.5.2?

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Subject: Re: May11 with ubuntu 11.04

Posted by [Tobias Weber](#) on Thu, 19 May 2011 13:58:15 GMT

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Hi Stefano,

Try compiling root 5.28d. There should be a fix included to solve the problem.

Subject: Re: May11 with ubuntu 11.04  
Posted by [StefanoSpataro](#) on Thu, 19 May 2011 14:37:23 GMT  
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I have tried to compile linking the external packages with root v5-28-00d, and it works.  
Probably it is the case to upgrade the link in the main may11 repository. I do NOT think it is the case to reinstall it on the GRID nodes.

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Subject: Re: May11 with ubuntu 11.04  
Posted by [M.Babai](#) on Fri, 20 May 2011 08:53:12 GMT  
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Hi Stefano,

I didn't have these problems compiling original may11 with gcc-4.5.x compilers.

I have faced the same issues before, when tried to compile external packages on mixed mode machines, older semi 64bit. It still happens when installing on virtualized systems (for example xen and 32 on 64 or 64 on 32 bits).

I think the problem comes from the fact that the script tries to find the system type using the kernel information ( `uname -m` and `-s`). In this case the output does not correspond with the arch of the installed libs. I solved these things locally just by editing `check_system.sh` (commenting out exit commands or hard-coding the arch and chip vars) and everything works fine.

Now, I am using root-5.28/00c with may11, changed to this because of problems I had with root-5.29/02.

Kind wishes,  
M.

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