
Subject: Jan12 on 12.04 i686
Posted by [Ben Pietras](#) on Mon, 02 Jul 2012 14:28:16 GMT
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Well, I had a bit of toothache installing, so I'll detail my changes.

Fell over installing root.

```
cd jan12/tools
```

```
rm -rf root
```

```
svn co https://root.cern.ch/svn/root/trunk root
```

(version 5.99 at time of writing, made separately, cd root; make, then reran jan12/configure.sh)

Then it fell over at geant4_vmc

```
jan12/transport/geant4_vmc/source/geometry/src
```

```
added "using namespace std;" to
```

```
TG4GeometryServices.cxx
```

```
TG4MCGeometry.cxx
```

Think the compiler (4.6.3) has some beef here, also for r3broot.

Subject: Re: Jan12 on 12.04 i686
Posted by [Mohammad Al-Turany](#) on Tue, 03 Jul 2012 11:31:47 GMT
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Hi,

Normally the packages in the fairsoft are consistence, so if you change ROOT to the newest trunk for any reason, you should not expect that everything will run out of the box! and the changes you did to the VMC had to be send to CERN and not to us.

WHy you need to go to newest ROOT? and what beef is there with 4.6.3? and what about the jan12 externals do you have problems compiling them with the 4.6.3?

Mohammad

Subject: Re: Jan12 on 12.04 i686
Posted by [Ben Pietras](#) on Tue, 03 Jul 2012 11:46:38 GMT
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Hi Mohammad, thank you for the reply.

At first I naturally tried the script without modification. From the .log "ERROR: root could not be created."

My next step - compile the present version of root stand alone. No luck.

After that, remove that version of root and update it (v5.99). No more root problems with installation.

As for VMC issues, it worked ok for 12.04 64bit. With the same compiler, actually. I have no idea why vmc gave me these stream errors on i686, I just thought it useful, if not appropriate, to explain what I did to make it run here.

Cheers

Subject: Re: Jan12 on 12.04 i686
Posted by [Florian Uhlig](#) on Wed, 04 Jul 2012 12:09:32 GMT
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Hi,

the first part of the complete installation procedure of the external packages checks the system and look for needed libraries and so on. Have you encountered any problems at this step or did you have only problems when the installation process comes to root?

Ciao

Florian

Subject: Re: Jan12 on 12.04 i686
Posted by [Ben Pietras](#) on Wed, 04 Jul 2012 12:14:09 GMT
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Hi Florian, all fine up to that point.

Subject: Re: Jan12 on 12.04 i686
Posted by [Florian Uhlig](#) on Wed, 04 Jul 2012 13:32:46 GMT
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Hi,

here I wonder, because Ubuntu is again using some new paths to "hide" their libraries, which are neither foreseen in our scripts nor in the root configuration. Anyway, I fixed the issue and for me the jan12 release compiles on Ubuntu 12.04.

Please try to start with a fresh checkout and do the installation again. If the installation should work it would be nice if you could change the topic name from "Jan12 on 12.04 i686" to "[solved] Jan12 on 12.04 i686".

Ciao

Florian

Subject: Re: Jan12 on 12.04 i686
Posted by [Stefano Spataro](#) on Wed, 04 Jul 2012 13:34:37 GMT
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I had the same problem with jan12, with the tarball you (Florian) sent me, but now taking jan12 from svn it is fixed in my case.

Subject: Re: Jan12 on 12.04 i686
Posted by [Ben Pietras](#) on Wed, 04 Jul 2012 18:11:52 GMT
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Hi, I'm afraid to say the script did not install without hitch for me.

```
*** Compiling root .....  
*** Applying patch needed for Ubuntu 12.04  
Copied rootconfig.sh .....  
Configure Root .....  
*** ERROR: root could not be created.
```

Stefano, are you on x86_64?

I'll see if I can get it working by ineptly fiddling with the root_config.patch tomorrow.

Subject: Re: Jan12 on 12.04 i686
Posted by [Stefano Spataro](#) on Wed, 04 Jul 2012 18:39:29 GMT
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Yes, I have downloaded the code from svn and installed it just this afternoon, w/o any interventions.

Subject: Re: Jan12 on 12.04 i686
Posted by [Florian Uhlig](#) on Thu, 05 Jul 2012 07:25:36 GMT
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Hi,

Could you send a more detailed error message. With only ERRor it is hard to understand what is the problem.

What I don't understand is why it works for me without problems.

Ciao

Florian

Subject: Re: Jan12 on 12.04 i686
Posted by [Mohammad Al-Turany](#) on Thu, 05 Jul 2012 08:24:20 GMT
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Hi,

It works also for me on Ubuntu 12.04 (64 bit), I just had to add the -fPIC to the CXXFLAGS for glpk and gsl packages (in SVN now).

results are on:

<http://cdash.gsi.de/CDash/index.php?project=R3BRoot&date=20120705>

Cheers,

Mohammad

Subject: Re: Jan12 on 12.04 i686
Posted by [Ben Pietras](#) on Thu, 05 Jul 2012 08:59:45 GMT
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Hi, nice to hear the installation goes well for most!

After 'svn up' 5 minutes ago, I find these errors when running the script (see attached).

(12.04, i686)

Any further information needed, please ask.

File Attachments

1) [jan12_errors](#), downloaded 244 times

Subject: Re: Jan12 on 12.04 i686
Posted by [Mohammad Al-Turany](#) on Thu, 05 Jul 2012 09:25:04 GMT
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Hi,

Seems to be a known problem with i686 and ROOT 5.32:

<http://root.cern.ch/phpBB3/viewtopic.php?f=3&t=13999>

So may be it would be better if you use the trunk of FairSoft, and we have to make a new release as soon as possible!

regards,

Mohammad

Subject: Re: Jan12 on 12.04 i686
Posted by [Ben Pietras](#) on Thu, 05 Jul 2012 09:33:41 GMT
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Great, many thanks.
