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Subject: Issues with Geant3...

Posted by [Tudi Le Bleis](#) on Tue, 18 Sep 2012 12:43:48 GMT

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Dear all, I tried to install the jan12 and sep12 on different machines (work and my own). I mostly fail when trying to get the geant3 to compile. Although the errors were not always the same, the current problem is the following...

\*\*\* Compiling Geant3 .....

```
cp: cannot create regular file `geant3/gphys': No such file or directory
cp: cannot create regular file `geant3/gphys': No such file or directory
cp: cannot create regular file `geant3/gphys': No such file or directory
scripts/install_geant3.sh: line 18: cd: geant3: No such file or directory
scripts/install_geant3.sh: line 21: ../Makefile_geant3.patch: No such file or directory
scripts/install_geant3.sh: line 22: ../geant3_geane.patch: No such file or directory
cp: cannot stat `../gcalor.F': No such file or directory
cp: cannot stat `../xsneut.dat': No such file or directory
cp: cannot stat `../chetc.dat': No such file or directory
sed: can't read Makefile: No such file or directory
/home/tlebleis/simulation/fairroot/john/ext_src/bin:/usr/lib/qt-3.3/bin:/usr/kerberos/bin:/bin:/usr/bin:/usr/local/bin:/usr/local/opt/cern/pro/bin:/usr/local/opt/root/pro/bin:/home/tlebleis/bin:./home/tlebleis/bin/bin:/home/tlebleis/geant4/bin/Linux-g++:/home/tlebleis/simulation/g4/bin/Linux-g++:/usr/local/opt/root/pro/bin:/home/tlebleis/bin/bin:/usr/local/teTeX/bin:/sbin:/usr/sbin:/usr/local/opt/root/pro
make: *** No targets specified and no makefile found. Stop.
cp: cannot stat
`/home/tlebleis/simulation/fairroot/john/sep12/transport/geant3/lib/tgt_linux/libgeant321.so': No such file or directory
cp: cannot stat `/home/tlebleis/simulation/fairroot/john/sep12/transport/geant3/TGeant3/*.h': No such file or directory
cp: cannot stat `/home/tlebleis/simulation/fairroot/john/sep12/transport/geant3/data': No such file or directory
**** Checking libraries in /home/tlebleis/simulation/fairroot/john/ext_src/lib ****
*** ERROR: Geant3 could not be created.
*** End installation of external packages with Errors***
```

I have attached the corresponding log file. In case you need some more information, please ask.

So now the question is: what am I doing wrong? Am I missing some libraries ? I've googled a bit and search in this forum but haven't found any solution.

Any information is welcome!

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### File Attachments

1) [libraries\\_180912\\_113321.log](#), downloaded 266 times

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Subject: Re: Issues with Geant3...

Posted by [Florian Uhlig](#) on Tue, 18 Sep 2012 12:59:58 GMT

Hi,

you didn't do anything wrong. It looks like you don't have the geant3 directory. This is defined as an external package in our SVN repository. Sometimes it happens that it isn't downloaded automatically to some reasons we still don't understand.

To solve the problem you have to do an

svn update

in the source directory of the external packages. This should then download the geant3 source. After this step please rerun the configure script.

Ciao

Florian

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Subject: Re: Issues with Geant3...

Posted by [Tudi Le Bleis](#) on Wed, 19 Sep 2012 13:35:49 GMT

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Thanks for the info. Indeed the update helped me to get Geant3's files... however, I stumbled upon the next problem:

Warning: Obsolete: arithmetic IF statement at (1)  
In file gcalor/gcalor.F:11417

IF(EX) 10 ,20 ,50

1

Warning: Obsolete: arithmetic IF statement at (1)  
In file gcalor/gcalor.F:11481

IF(D\*D-Z) 20 ,20 ,10

1

[SNAP]  
gcinit.F  
minicern/lnxgs/rdmin.F  
added/dummies.c  
added/dummies2.c  
minicern/abend.c  
minicern/cfclos.c  
minicern/cfget.c  
minicern/cfopei.c  
minicern/cfput.c  
minicern/cfseek.c  
minicern/cfstati.c  
minicern/datime.c  
minicern/fchput.c

```

minicern/fchtak.c
minicern/fchtak.c: In function 'fchtak':
minicern/fchtak.c:35: warning: conflicting types for built-in function 'malloc'
minicern/geteni.c
minicern/jumptn.c
minicern/jumpxn.c
minicern/locf.c
minicern/qnexte.c
minicern/vxinvb.c
minicern/lnxgs/ishftr.c
comad/gcadd.cxx
TGeant3/G3Material.cxx
TGeant3/G3Medium.cxx
TGeant3/G3Node.cxx
TGeant3/G3Volume.cxx
TGeant3/TG3Application.cxx
TGeant3/TGeant3.cxx
TGeant3/TGeant3.cxx: In member function 'virtual void TGeant3::LoadAddress()':
TGeant3/TGeant3.cxx:1253: warning: dereferencing type-punned pointer will break
strict-aliasing rules
TGeant3/TGeant3.cxx:1254: warning: dereferencing type-punned pointer will break
strict-aliasing rules
[SNAP]
TGeant3/TGeant3.cxx:1283: warning: dereferencing type-punned pointer will break
strict-aliasing rules
TGeant3/TGeant3.cxx:1284: warning: dereferencing type-punned pointer will break
strict-aliasing rules
TGeant3/TGeant3.cxx:1285: warning: dereferencing type-punned pointer will break
strict-aliasing rules
TGeant3/TGeant3.cxx:1286: warning: dereferencing type-punned pointer will break
strict-aliasing rules
TGeant3/TGeant3TGeo.cxx
TGeant3/TGeant3TGeo.cxx: In member function 'virtual void
TGeant3TGeo::LoadAddress()':
TGeant3/TGeant3TGeo.cxx:599: warning: dereferencing type-punned pointer will break
strict-aliasing rules
TGeant3/TGeant3f77.cxx
TGeant3/TGeant3gu.cxx
TGeant3/TGeant3gu.cxx: In function 'void gufld_(Double_t*, Double_t*)':
TGeant3/TGeant3gu.cxx:588: error: 'class TVirtualMC' has no member named
'GetMagField'
TGeant3/TGeant3gu.cxx:589: error: 'class TVirtualMC' has no member named
'GetMagField'
TGeant3/TGeant3gu.cxx: In function 'void eustep_()':
TGeant3/TGeant3gu.cxx:759: error: 'class TVirtualMCApplication' has no member
named 'GeaneStepping'
TGeant3/TGeant3gu.cxx: In function 'void gustep_()':
TGeant3/TGeant3gu.cxx:789: error: 'class TVirtualMC' has no member named
'IsCollectTracks'
TGeant3/TGeant3gu.cxx:800: error: 'class TGeoManager' has no member named
'FindTrackWithId'
make: ***

```

```
[/home/tlebleis/simulation/fairroot/john/sep12/transport/geant3/tgt_linux/TGeant3/TGeant3gu.o]
Error 1
cp: cannot stat
`/home/tlebleis/simulation/fairroot/john/sep12/transport/geant3/lib/tgt_linux/libgeant321.so': No
such file or directory
**** Checking libraries in /home/tlebleis/simulation/fairroot/john/ext_src/lib ****
*** ERROR: Geant3 could not be created.
*** End installation of external packages with Errors***
```

where I SNAPped several lines of similar printouts...

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Subject: Re: Issues with Geant3...  
Posted by [Florian Uhlig](#) on Wed, 19 Sep 2012 13:59:17 GMT  
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Hi,

for me the only explanation of the problem is that you have an old installation of ROOT on your system which is used.

do you have another ROOT installation on your computer? Do you have a environment variable named ROOTSYS?

Ciao

Florian

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Subject: Re: Issues with Geant3...  
Posted by [Tudi Le Bleis](#) on Fri, 21 Sep 2012 10:56:14 GMT  
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I did (5.22). I emptied the ROOTSYS and it seems that it went through this time.

Thanks!

Tudi.

PS. Sorry for the daly I had some issues with the computers here.

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