
Subject: Problems running Geant under Debian Etch
Posted by [Sebastian Neubert](#) on Wed, 16 Jan 2008 09:43:17 GMT
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Hi!

I am trying to install PandaROOT under Debian Etch. Everything seems to work "mothership" installation tells no errors. ROOT is running most scripts run. But as soon as I try to use Geant I get problems. For example running the genift demo (which uses GEANE):

```
Loading Geant3 libraries ...  
Loading Geant3 libraries ... finished  
Error: Symbol TGeant3TGeo is not defined in current scope  
/afs/e18/user/sneubert/scratch/PANDA/FAIRRoot/pandarootDev/gconfig/Geane.C:7:  
Error: type TGeant3TGeo not defined  
FILE:/afs/e18/user/sneubert/scratch/PANDA/FAIRRoot/pandarootDev/gconfig/Geane.C LINE:7  
Warning: Automatic variable gMC3 is allocated  
/afs/e18/user/sneubert/scratch/PANDA/FAIRRoot/pandarootDev/gconfig/Geane.C:7:  
Error: Undeclared variable gMC3  
/afs/e18/user/sneubert/scratch/PANDA/FAIRRoot/pandarootDev/gconfig/Geane.C:7:  
*** Interpreter error recovered ***  
  
*** Break *** segmentation violation
```

The same script runs under Debian Sarge.

Any experiences?
Sebastian.

Subject: Re: Problems running Geant under Debian Etch
Posted by [Mohammad Al-Turany](#) on Wed, 16 Jan 2008 09:51:36 GMT
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Hi,

Can you check if your LD_LIBRARY_PATH has the right place where libgeant321.so is located! your Etch system, is it a 64 bit system? if yes, could you check that in geant3 directory a lib/tgt_linux exist or at least as a symbolic link to the lib/tgt_linux64.

regards

Mohammad

Subject: Re: Problems running Geant under Debian Etch
Posted by [Sebastian Neubert](#) on Wed, 16 Jan 2008 09:58:10 GMT

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```
sneubert@dimbula:~/scratch/PANDA/FAIRRoot$ echo $LD_LIBRARY_PATH
/usr/lib:/usr/X11R6/lib:/afs/e18/user/sneubert/scratch/PANDA/FAIRRoot/cbuildDevNew/lib
:/afs/e18/panda/SIM/FAIRRoot/cbmsoft_etch/cbmsoft/tools/root/lib:
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/generators/lib:
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/generators/lib:
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/transport/geant3/lib/tgt_linux:
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/transport/geant4/lib/Linux-g++:
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/transport/geant4_vmc/lib/tgt_linux:
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/transport/vgm/lib/Linux-g++:
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/cern/clhep/lib
```

```
sneubert@dimbula:~/scratch/PANDA/FAIRRoot$ ls
/afs/e18/panda/SIM/FAIRRoot/cbmsoft/transport/geant3/lib/tgt_linux
libgeant321.so
```

Subject: Re: Problems running Geant under Debian Etch
Posted by [Mohammad Al-Turany](#) on Wed, 16 Jan 2008 10:01:09 GMT
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Quote:afs/e18/panda/SIM/FAIRRoot/cbmsoft/transport/geant3/lib/tgt_linux

is fine, does it also exist?

Subject: Re: Problems running Geant under Debian Etch
Posted by [Sebastian Neubert](#) on Wed, 16 Jan 2008 10:05:53 GMT
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yes. see modification above.

Subject: Re: Problems running Geant under Debian Etch
Posted by [Sebastian Neubert](#) on Tue, 08 Apr 2008 08:07:48 GMT
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Hi!

The problem here was, that /usr/lib was at the beginning of my LD_LIBRARY_PATH and under etch we have a libgeant321 there. So this Version of the library was taken which had been built without VMC.

Florian, could you arrange, that the /usr/lib entry is moved to the end of the list?

Cheers! Sebastian.
