Subject: EvtGen searches for 64-bit include files
Posted by Jens Sören Lange   on Mon, 25 Aug 2008 10:51:19 GMT

Hi all,

some more problems with EvtGen.

Based upon an observation by Irina.

With the new external packages under suse 10.3

using the EvtGen configuration "gcc, g77, (nothing), -lRIO -lSQL -lNet" (which works fine the old external packages) it now starts searching for 64-bit include files (which I don't have on my 32-bit notebook). But there is nothing in the config.mk which could be changed (i.e. there is no 64-bit path in the config.mk).

soeren@pchad23:~/panda/pandaroot/trunk/pgenerators/EvtGen> make
Checking makedepend in EvtGen
make: *** No rule to make target `/usr/include/x86_64-linux/i386-linux/gnu/stubs.h', needed by `cgFinder.o'. Stop.

Any idea how to fix it?

P.S. Stefano can you maybe also put the solution for Irina's EvtGen "missing libshift" problem into the wiki? (also suse 10.3).

And who actually put the "EvtGen: use gfortran as your c++ compiler(!!) if you don't have g77" into the wiki. it seems to work(!) but we still don't understand why.

cheers, Soeren

Subject: Re: EvtGen searches for 64-bit include files
Posted by StefanoSpataro on Mon, 25 Aug 2008 11:14:08 GMT

Jens Soeren Lange wrote on Mon, 25 August 2008 12:51Hi all,

some more problems with EvtGen.

Based upon an observation by Irina.

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using the EvtGen configuration "gcc, g77, (nothing), -lRIO -lSQL -lNet" (which works fine the old external packages) it now starts searching for 64-bit include files (which I don't have on my 32-bit notebook). But there is nothing in the config.mk which could be changed (i.e. there is no 64-bit path in the config.mk).

soeren@pchad23:~/panda/pandaroot/trunk/pgenerators/EvtGen> make
Checking makedepend in EvtGen
make: *** No rule to make target `/usr/include/x86_64-linux/i386-linux/gnu/stubs.h', needed by `cgFinder.o'. Stop.

Any idea how to fix it?

It seems the last updated makefile have the local paths of Johan computer, where /usr/include/x86_64-linux exists.

You could try to remove all the stuff in Makefile starting from line 63 (cgfinder.o...), leaving the empty line. And you should try to remove the additional lines in the same way in EvtGenModels/Makefile and EvtGenBase/Makefile

Quote:
P.S. Stefano can you maybe also put the solution for Irina's EvtGen "missing libshift" problem into the wiki? (also suse 10.3).

First I should know what is the problem. I think Irina's problem was gfortran, which is not supported by EvtGen

Quote:
And who actually put the "EvtGen: use gfortran as your c++ compiler(!!) if you don't have g77" into the wiki. it seems to work(!) but we still don't understand why.

It did not work in my case (Gentoo), and neither in Irina's.

Subject: Re: EvtGen searches for 64-bit include files
Posted by Aleksandra Biegun on Mon, 25 Aug 2008 11:57:32 GMT
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Hi Soeren, hi Stefano,

indeed, Johan added (14.08) into Makefile for EvtGen 2 links: -lMathCore -lThread and sent it to svn.
After that, EvtGen compiled.

Regards,
Ola.

Subject: Re: EvtGen searches for 64-bit include files
Posted by StefanoSpataro on Mon, 25 Aug 2008 12:00:26 GMT
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Yes,
but he forgot to remove all his local stuff in the Makefile.

Subject: Re: EvtGen searches for 64-bit include files
Posted by Tobias Stockmanns on Mon, 25 Aug 2008 12:53:33 GMT
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I put the information on gfortran into the wiki page.

This idea is coming actually from Andrei and works for our Suse 10.2 and 11 installations but I have no idea why it works.

Cheers,

Tobias

Subject: Re: EvtGen searches for 64-bit include files
Posted by StefanoSpataro on Wed, 27 Aug 2008 09:10:05 GMT
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The bug is now solved in svn, I have removed Johan's lines in the Makefile.

Subject: Re: EvtGen searches for 64-bit include files
Posted by Mohammad Al-Turany on Wed, 27 Aug 2008 10:55:35 GMT
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Hi,

The problem is simply due to the fact the dependancy in EvtGen are written to the same Makefile. In my case I just call the confgure, then make depend in the main directory, EvtGenModels and EvtGenBase, and everything works fine!

So maybe we should re-write the makefiles in a proper way?

Mohammad

Subject: Re: EvtGen searches for 64-bit include files
Posted by Ralf Kliemt on Wed, 27 Aug 2008 11:47:03 GMT
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Hi all,

I would suggest to even include the EvtGen compilation into the common compiling process (as shell script or similar). Would it hurt?

Ciao, Ralf.

Subject: Re: EvtGen searches for 64-bit include files
Posted by StefanoSpataro on Wed, 27 Aug 2008 12:20:05 GMT
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This was already done.

Subject: Re: EvtGen searches for 64-bit include files
Posted by StefanoSpataro on Thu, 28 Aug 2008 08:13:08 GMT
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Added:

The Makefiles of EvtGen were rewritten in the proper way, in svn, without the local lines.

But once you call the configure, they are updated with your local stuff. Of course one should commit code in svn without these addictions.

A lot of time ago we have agreed to have not EvtGen in the common compiling process, because it is difficult to mantain for the CERNLIB and other things. Of course we can change this policy, to have it in the Dashboard somehow.