

CoCoALib - Feature #765

ExternalLib-CDD: (needed by GFan)

02 Sep 2015 13:01 - Anna Maria Bigatti

Status:	In Progress	Start date:	02 Sep 2015
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	10%
Category:	Portability	Estimated time:	0.00 hour
Target version:	CoCoALib-1.0	Spent time:	1.30 hour
Description Compilation of CDD needed some tweaking, expecially making it compatible with GFan. (see documentation for ExternalLibs-GFan) Write to the authors about - the lines to include in their documentation (for a locally compiled gmp) - putting (back) their headers in include/cdd/ (instead of include/) as it used to be			

History

#1 - 26 Nov 2016 17:40 - John Abbott

I tried to put GFan on the Linux box in Kassel, but did not succeed in getting CDD properly installed.
Part of the problem came from strange permissions on some of the files: to do the install I used **sudo** command, but then various files were no longer readable (why not readable by everyone?)

I used **chmod** command to make everything readable (and all directories enter-able); make install then completed, but the configure script for GFan produced strange errors (something like "CDD is present but cannot be used").

Frustrating!

#2 - 30 Nov 2016 21:47 - John Abbott

- Status changed from New to In Progress
- % Done changed from 0 to 10

Here are some notes I have just made (after trying to compile CDD and GFan on my netbook).

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Hints about compiling GFan library (and CDD library).

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*IMPORTANT*
=====
CDD installs its headers directly in /usr/local/include,
but GFan expects the headers to be in /usr/local/include/cdd.

In CDD the standard commands worked: ./configure; make; make install

BUT after installing CDD lib, I just did the following
sudo mkdir /usr/local/include/cdd
sudo cp /usr/local/include/cdd*.h cdd
sudo cp /usr/local/include/setoper.h cdd

GFAN contains some hints in gfanlib/README.txt
[they worked for me, after getting CDD correctly installed]
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#3 - 19 Apr 2017 14:40 - John Abbott

I still have to intervene manually to make GFAN compile even when CDD has been installed (apparently correctly).

The copy of CDD which I have places the header files in /usr/local/include/cdd/.

However, it seems that the configure script for GFAN (generated by autoconf) is unhappy unless the header files are in /usr/local/include/.

SOLUTION I just copy the CDD header files into /usr/local/include/ and then remove the directory cdd, and replace it with a symbolic link via the command **sudo ln -s . cdd**

After that GFAN configuration completes (though perhaps still complains about CDD). Anyway, compilation of GFAN and gfanlib work.

#4 - 11 Sep 2019 13:47 - John Abbott

- *Description updated*