

CoCoALib - Bug #1402

gfan: installation problem: configure reports cdd.h present but cannot be compiled

24 Jan 2020 17:26 - John Abbott

Status:	Closed	Start date:	24 Jan 2020
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Portability	Estimated time:	0.88 hour
Target version:	CoCoALib-0.99700	Spent time:	0.85 hour
Description			
I have installed cddlib-094j, or so I believe -- a header file reports 0.94i as the version.			
I then tried:			
<pre>export CPPFLAGS="-I/usr/local/include/cdd" ./configure</pre>			
The result:			
<pre>checking cdd.h presence... yes configure: WARNING: cdd.h: present but cannot be compiled configure: WARNING: cdd.h: check for missing prerequisite headers? configure: WARNING: cdd.h: see the Autoconf documentation configure: WARNING: cdd.h: section "Present But Cannot Be Compiled" configure: WARNING: cdd.h: proceeding with the preprocessor's result configure: WARNING: cdd.h: in the future, the compiler will take precedence configure: WARNING: ## ----- ## configure: WARNING: ## Report this to BUG-REPORT-ADDRESS ## configure: WARNING: ## ----- ##</pre>			
What is going on? How to fix?			
Related issues:			
Related to CoCoALib - Bug #1308: test-GFan1 fails		Closed	05 Sep 2019

History

- #1 - 24 Jan 2020 17:26 - John Abbott
 - Related to Bug #1308: test-GFan1 fails added
- #2 - 24 Jan 2020 22:03 - John Abbott
 - Status changed from New to In Progress
 - Assignee set to John Abbott
 - % Done changed from 0 to 50

It seems that configure was giving just a warning (which is probably not a good sign). Anyway, it also created the Makefile.

I notice that the Makefile seemed to ignore the hint to use -I/usr/local/include/cdd; so I added it manually to the line defining CPPFLAGS.

Also the command for installing seemed to want to call ../mkinstalldir which does not exist on my computer; since the installation directories existed already, I just commented out the two lines in the install target.

And then I could build and install libgfan.a (in /usr/local).

#3 - 24 Jan 2020 22:10 - John Abbott

- *Status changed from In Progress to Resolved*
- *% Done changed from 50 to 80*
- *Estimated time set to 0.88 h*

Now CoCoALib compiles with GFan, but test-GFan1 give the same problem as mentioned in [#1308](#).

#4 - 11 Feb 2020 18:33 - John Abbott

- *Status changed from Resolved to Closed*
- *% Done changed from 80 to 100*

The warning seems to be harmless: it worked on my Linux box, and it works on Anna's Mac despite the warnings.

We do note that CDD installs its header files in /usr/local/include/ whereas GFAN seems to want to find them in /usr/local/include/cdd/; frankly, the latter seems to be a nicer location.

I have modified the CoCoALib configure script so that it accepts with or without a final /cdd/.

Closing.