

CoCoALib - Feature #1005

Makefile: install target for CoCoALib

01 Feb 2017 16:43 - John Abbott

Status:	Closed	Start date:	01 Feb 2017
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Portability	Estimated time:	4.44 hours
Target version:	CoCoALib-0.99600	Spent time:	4.50 hours
Description			
There should be an install target for CoCoALib.			
Related issues:			
Related to CoCoALib - Design #1125: Separate install script for CoCoALib?			New 16 Nov 2017

History

#1 - 01 Feb 2017 16:51 - John Abbott

- Status changed from New to In Progress
- % Done changed from 0 to 30

I have already written a first **install** target for CoCoALib (and a first attempt to use it required a system reinstallation :-/)

What should the **install** target do?

- put libcocoa.a in /usr/local/lib/
- put the header files in /usr/local/include/CoCoA/
- what about documentation and examples???

Actually the library is placed in /usr/local/lib/libcocoa-\$VERSION.a and then a symbolic link is made so that /usr/local/lib/libcocoa.a refers to the real file; this is so that a new version does not "stomp on" a previously installed version.

Similarly the header files are actually installed in /usr/local/include/CoCoA-\$VERSION/ then a symbolic link is created so that /usr/local/include/CoCoA refers to the true directory; the reason is again to avoid "stomping on" a previously installed version (assuming it has a different version number)

#2 - 01 Feb 2017 21:49 - John Abbott

- Assignee set to John Abbott
- % Done changed from 30 to 50

I have added some lines to copy documentation and examples:

- doc/CoCoALib.pdf is copied into /usr/local/include/CoCoA/doc/CoCoALib.pdf
- doc/html/* are copied into /usr/local/include/CoCoA/doc/html/
- examples/ex-*.C are copied into /usr/local/include/CoCoA/examples/

I have decided to put them into /usr/local/include/CoCoA/ because I know that that directory exists and is writable; it also keeps all files (except libcocoa.a) associated with a particular version of CoCoALib together in the same subtree.

I am open to suggestions for better ways to organize this; I just wanted a quick solution before the CoCoA minicourse.

PS I have not yet actually tried running make install (after last time's unfortunate outcome).

#3 - 06 Nov 2017 15:53 - John Abbott

- *Target version changed from CoCoALib-0.99560 to CoCoALib-0.99600*

#4 - 16 Nov 2017 15:20 - John Abbott

- *% Done changed from 50 to 70*

Before installing CoCoA you must compile **both** the library **and** the documentation (incl. examples/index.html). This is now checked in the Makefile script for install.

Bruns has given some useful feedback.

#5 - 25 Jun 2018 15:33 - John Abbott

- *Related to Design #1125: Separate install script for CoCoALib? added*

#6 - 03 Aug 2018 17:08 - John Abbott

- *Status changed from In Progress to Closed*

- *% Done changed from 70 to 100*

- *Estimated time set to 4.44 h*

SUMMARY: it has not yet been tested much, but is probably safe enough to "close" this issue