

## CoCoA-5 - Feature #1007

### (makefile) New "clean" target which does not clean documentation

02 Feb 2017 17:38 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	02 Feb 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Portability	<b>Estimated time:</b>	7.70 hours
<b>Target version:</b>	CoCoA-5.2.4	<b>Spent time:</b>	7.60 hours
<b>Description</b>			
Since the problem with external dependencies seem to be mostly associated with the documentation, it would be helpful to have a "clean" target which leaves "compiled" documentation in tact, and removes only compiled code.			
<b>Related issues:</b>			
Related to CoCoA-5 - Support #1006: External dependencies for building		<b>In Progress</b>	<b>02 Feb 2017</b>
Related to CoCoALib - Bug #149: Makefile dependencies		<b>New</b>	<b>02 May 2012</b>

### History

#### #1 - 02 Feb 2017 17:38 - John Abbott

- Related to Support #1006: External dependencies for building added

#### #2 - 02 Feb 2017 18:00 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

What should such a target be called? It should delete those files which depend on the platform (*i.e.* compiled code) but not the others. Maybe **codeclean**?

Strictly there should be two different targets (one for CoCoA-5 and one for CoCoALib).

#### #3 - 02 Feb 2017 22:27 - John Abbott

- Assignee set to John Abbott

- % Done changed from 10 to 30

I found that the targets for building the CoCoA-5 documentation **always** rebuild it even when it's not necessary. I have now split off the part of the Makefile in src/CoCoA-5/ and moved it into a new src/CoCoA-5/CoCoAManual/Makefile. It now does not rebuild unless necessary... hopefully it still does the right thing when it actually has to do some work.

Here's hoping that the CoCoALib documentation is built properly (*i.e.* rebuilt only when needed).  
[I'm not daring to look at it now...]

#### #4 - 03 Feb 2017 11:36 - John Abbott

What purpose does the file wordlist.txt serve? Is it used just by the Emacs interface? If so, shouldn't it be in the directory with the other Emacs bits?

#### #5 - 03 Feb 2017 15:12 - John Abbott

Another candidate for the name: **halfclean**

**#6 - 03 Feb 2017 15:26 - John Abbott**

What does **make clean** do? And what should it do?

It seems that it does exactly what I want... (now that I have fixed the Makefile mess in src/CoCoA-5)

**#7 - 03 Feb 2017 15:35 - John Abbott**

There are some (GNU) guidelines here:

[https://www.gnu.org/prep/standards/html\\_node/Standard-Targets.html](https://www.gnu.org/prep/standards/html_node/Standard-Targets.html)

**#8 - 03 Feb 2017 17:00 - John Abbott**

I have a first implementation, but will refrain from checking in until I have done some more tests (over the weekend?).  
[I used the target name halfclean]

What about this name for the target: **clean-for-distrib**? Or perhaps some other clean-for-XYZ?

A first check on my netbook looks promising :-)

**#9 - 03 Feb 2017 23:03 - John Abbott**

If we regard the "compiled" documentation files as part of the standard distribution (which is probably a very reasonable point of view)...

As far as I can tell from the GNU guidelines **distclean** is probably the name of the target which deletes all "platform dependent code" (incl. any files created by "configuration scripts").

The target **clean** should keep the configuration files but otherwise do the same.

The target **veryclean** can delete also the compiled documentation files (leaving just enough that we can rebuild everything). So the result of **make veryclean** should correspond closely to what we keep in CVS.

Comments? Other ideas?

**#10 - 07 Feb 2017 11:39 - John Abbott**

- *Related to Bug #149: Makefile dependencies added*

**#11 - 13 Feb 2017 17:52 - John Abbott**

- *% Done changed from 30 to 50*

I have read through the GNU guidelines. Following them all would be quite hard work.  
The "cleaning" targets which would be useful to use are:

- **maintainer-clean** delete everything that could be rebuilt (given all the right tools)
- **distclean** delete all files created by configuring and compiling
- **clean** delete all files created by compiling (but not configuration files)

In particular distclean should restore the subtree to essentially what is contained in the distributed tar file (plus possibly some empty directories).

The crucial point is that a standard distribution of CoCoALib should contain all "compiled" documentation (since to "compile" it requires unusual tools, e.g. txt2tags). Thus "compiled" documentation would be deleted only by maintainer-clean.

I'm still undecided where the dependency files should fit into this scheme; internal dependencies (if specified via relative paths) ought to be part of the standard distribution. Rebuilding the dependency files presumes that the compiler accepts the appropriate flags (-MM if I recall correctly). Dealing with external dependencies could be tricky (see issue [#149](#)).

**#12 - 13 Feb 2017 17:56 - Anna Maria Bigatti**

John Abbott wrote:

I'm still undecided where the dependency files should fit into this scheme; internal dependencies (if specified via relative paths) ought to be part of the standard distribution.

I think it would be handy to have the dependencies in the distribution.  
(but I think they are regenerated after configure, aren't they?)

**#13 - 13 Feb 2017 18:22 - John Abbott**

It seems that the dependencies (in src/AlgebraicCore/) are rebuilt whenever include/CoCoA/library.H changes, and that appear to be the only condition. I thought changing autoconf.mk would have triggered it; maybe it did once.

If the dependencies are only the internal ones (and with relative paths) then there should be few occasions when rebuilding is necessary. I wonder if/how we can make just internal dependencies?

So it seems that include/CoCoA/library.H ought to be included in the standard distribution. (probably it is)

**#14 - 13 Feb 2017 18:24 - John Abbott**

Should the file examples/index.html be included in the distribution?

In other words, should make distclean delete it or not?

make maintainer-clean will surely delete it.

**#15 - 13 Feb 2017 18:32 - Anna Maria Bigatti**

John Abbott wrote:

Should the file examples/index.html be included in the distribution?

In other words, should make distclean delete it or not?

Better not: it was thought of as documentation

**#16 - 14 Feb 2017 18:08 - John Abbott**

- % Done changed from 50 to 60

Checked-in an update to all Makefiles. Hope it works -- I did mess some things up :-)

**#17 - 04 Dec 2017 11:46 - Redmine Admin**

- Target version changed from CoCoA-5.?.? to CoCoA-5.2.4

**#18 - 26 Jul 2018 13:54 - John Abbott**

- Subject changed from New "clean" target which does not clean documentation to (makefile) New "clean" target which does not clean documentation

- Status changed from In Progress to Feedback

- % Done changed from 60 to 90

Our makefile targets do not yet follow the GNU conventions, but they seem to work well enough at the moment.

Close this issue?

**#19 - 30 Jul 2018 18:02 - John Abbott**

- Status changed from Feedback to Closed

- % Done changed from 90 to 100

- Estimated time set to 7.70 h

Closing this issue. Maybe a similar one will be reopened later if some problems arise.