

## CoCoA-5 - Support #1006

### External dependencies for building

02 Feb 2017 16:28 - John Abbott

<b>Status:</b>	In Progress	<b>Start date:</b>	02 Feb 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	10%
<b>Category:</b>	Portability	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoA-5.?.?	<b>Spent time:</b>	1.20 hour
<b>Description</b>			
I am trying to build and install CoCoA-5 from source on a "bare-bones" Linux box. It is proving to be quite tedious because of all the external software needed:			
<ul style="list-style-type: none"><li>• g++ and make obviously are needed</li><li>• BOOST for CoCoA-5</li><li>• java is needed for generating documentation (in my case <b>jre</b> and <b>jdk</b>)</li><li>• pdflatex is needed to generate CoCoAManual.pdf (so I'm installing texlive-full, about 3Gbytes)</li><li>• txt2tags for CoCoALib documentation</li><li>• probably some other stuff as well...</li></ul>			
<b>Related issues:</b>			
Related to CoCoA-5 - Feature #1007: (makefile) New "clean" target which does ...		<b>Closed</b>	<b>02 Feb 2017</b>

### History

#### #1 - 02 Feb 2017 16:29 - John Abbott

Can we make it simpler? Reduce the dependencies on external software?  
What do we need java for?

#### #2 - 02 Feb 2017 17:38 - John Abbott

- Related to Feature #1007: (makefile) New "clean" target which does not clean documentation added

#### #3 - 02 Feb 2017 17:41 - John Abbott

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

I failed to install LaTeX on the netbook :-)

#### #4 - 11 May 2019 20:47 - John Abbott

I have just tried building CoCoA-5 on my old MacBook, and it failed because java is not installed.

- it is annoying that java is needed at all - can we get rid of it?
- why did compilation of CoCoA-5 fail because java was missing? java is surely not needed for the compilation!

#### #5 - 27 Oct 2021 13:13 - John Abbott

A possible compromise to avoid deleting the documentation if the software components needed to rebuild it are not present. As already commented (in comment 1), it is a shame that so much external software is needed just for the documentation.

Julian rediscovered this problem on a "bare-bones" Arch Linux VM.