

## CoCoA-5 - Bug #1442

### CoCoAInterpreter: executable size

10 Mar 2020 11:06 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	10 Mar 2020
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Cleaning	<b>Estimated time:</b>	1.23 hour
<b>Target version:</b>	CoCoA-5.3.0	<b>Spent time:</b>	1.20 hour
<b>Description</b> Why is the last binary release for Linux about 81Mbyte when that for Mac is only 27Mbyte?  The Linux one is surely too large...			
<b>Related issues:</b> Related to CoCoA-5 - Bug #755: Find out how to compile statically on linux <b>Closed</b> <b>31 Jul 2015</b>			

#### History

##### #1 - 10 Mar 2020 11:09 - John Abbott

- Status changed from New to In Progress
- % Done changed from 0 to 20

After running strip on the executable the size dropped to 15Mbytes. Wow!

Now, why is the Mac version so big? ;-)

##### #2 - 10 Mar 2020 12:37 - John Abbott

So, should we put a stripped version of the executable in the official release, or leave the symbol table in there?  
I believe the symbol table is useful only for debugging, and surely anyone who wants to debug CoCoA would download the full sources, right?

##### #3 - 10 Mar 2020 15:07 - John Abbott

- Assignee set to John Abbott
- Target version changed from CoCoA-5.4.0 to CoCoA-5.3.0
- % Done changed from 20 to 60

I have changed the release-linux.sh script so that it strips CoCoAInterpreter before making the TGZ file.

We can check this tomorrow before announcing the release... I expect it to be OK.

##### #4 - 10 Mar 2020 15:15 - John Abbott

- Related to Bug #755: Find out how to compile statically on linux added

##### #5 - 12 Mar 2020 13:36 - John Abbott

- Status changed from In Progress to Feedback
- % Done changed from 60 to 90
- Estimated time set to 0.99 h

Last night I made a release version (stripped, with statically linked libgmpxx.a, libgmp.a, libreadline.a, libtermcap.a and libtinfo.a).  
Florian confirmed that it works fine on his Arch Linux computer.

I hope that Matteo can confirm too.

**#6 - 12 Mar 2020 22:17 - John Abbott**

- *Status changed from Feedback to Closed*
- *% Done changed from 90 to 100*
- *Estimated time changed from 0.99 h to 1.23 h*

I have sent several stripped executables to Matteo; some have worked, some have not.

Anyway, I am now convinced that stripping the executable is reasonable for a standard distribution (since it makes the file so much smaller), and it seems to be unrelated to the portability problems.

Closing.