

CoCoA-5 - Support #1675

Version 5.4.0 requires Visual C++ Runtime 2013 on Windows

28 Mar 2022 12:43 - Florian Walsh

Status:	Closed	Start date:	28 Mar 2022
Priority:	Urgent	Due date:	
Assignee:		% Done:	100%
Category:	Portability	Estimated time:	0.00 hour
Target version:	CoCoA-5.4.2	Spent time:	0.35 hour
Description			
<p>When I tried to run the newest CoCoA version on my Windows 10 machine I got the error messages "MSVCP120.dll not found" and "MSVCR120.dll not found".</p> <p>Following the advice given here (<a href="https://answers.microsoft.com/en-us/windows/forum/all/missing-msvc120dll-file/f0a14d55-73f0-4a21-879e-1cbacf05e906">https://answers.microsoft.com/en-us/windows/forum/all/missing-msvc120dll-file/f0a14d55-73f0-4a21-879e-1cbacf05e906</a>) I installed Visual C++ Runtime 2013 and was able to run CoCoA.</p> <p>Maybe one can add this to the installation instructions.</p>			

History

#1 - 07 Mar 2023 20:23 - John Abbott

- Category set to Portability
- Priority changed from Normal to Urgent
- Target version set to CoCoA-5.4.2

We plan to make a new release quite soon (before the CoCoA School).  
I'm hoping Nico Mexis might be willing to make the Microsoft compilation.  
Is someone in Passau willing to be a guinea pig, and check that it works?

Timeline: we're hoping to fix the sources by Friday afternoon (unless important bugs appear).

#2 - 09 Mar 2023 21:41 - Nico Mexis

- % Done changed from 0 to 90

I have analysed version 5.4.0 and my currently installed CoCoA version (5.4.1k), compiled on 24 Feb 2023 at 09:59:49 using ldd.  
According to ldd, the dependencies of version 5.4.0 include MSVCP140.dll, VCRUNTIME140.dll, MSVCP120.dll, MSVCR120.dll and many others.  
A deeper analysis shows that these dependencies actually originate from MATHSAT.dll.  
However, since MATHSAT does not work in the Windows version anyway, I have since excluded it from all my local releases.  
My current version produces the following ldd:

```
ntdll.dll => /c/WINDOWS/SYSTEM32/ntdll.dll (0x7ff91a430000)
KERNEL32.DLL => /c/WINDOWS/System32/KERNEL32.DLL (0x7ff919c90000)
KERNELBASE.dll => /c/WINDOWS/System32/KERNELBASE.dll (0x7ff9179d0000)
cygboost_filesystem-1_66.dll => /g/Programme/CoCoA/cygboost_filesystem-1_66.dll (0x3fa470000)
cygcddgmp-0.dll => /g/Programme/CoCoA/cygcddgmp-0.dll (0x3fd890000)
cyggmpxx-4.dll => /g/Programme/CoCoA/cyggmpxx-4.dll (0x3fd080000)
cyggmp-10.dll => /g/Programme/CoCoA/cyggmp-10.dll (0x3ffb70000)
cygreadline7.dll => /g/Programme/CoCoA/cygreadline7.dll (0x3ff350000)
cyggcc_s-seh-1.dll => /g/Programme/CoCoA/cyggcc_s-seh-1.dll (0x3ffc30000)
cygwin1.dll => /g/Programme/CoCoA/cygwin1.dll (0x7ff8888f0000)
cygboost_system-1_66.dll => /g/Programme/CoCoA/cygboost_system-1_66.dll (0x3f9d80000)
cygstl-6.dll => /g/Programme/CoCoA/cygstl-6.dll (0x3ff0a0000)
cyggs1-19.dll => /g/Programme/CoCoA/cygs1-19.dll (0x3fcd80000)
cygstl-6.dll => /g/Programme/CoCoA/cygstl-6.dll (0x3fcd80000)
cygncursesw-10.dll => /g/Programme/CoCoA/cygncursesw-10.dll (0x3ff630000)
```

```
cygblas-0.dll => /g/Programme/CoCoA/cygblas-0.dll (0x3c5be0000)
```

Because of this, the bug seems to have been fixed on my machine by excluding MATHSAT from the compilation process, and I have marked this issue as 90% complete.

Once the new release is compiled, someone should test it properly to make sure this is no longer an issue.

### **#3 - 27 Jun 2023 18:21 - John Abbott**

Nico thinks that 5.4.1p should be OK; we are not sure which version Julian Wilson used when he reported this same problem again. Nico will contact Julian directly, and hopefully resolve soon.

### **#4 - 28 Jun 2023 13:55 - Nico Mexis**

- *Status changed from New to Resolved*

- *% Done changed from 90 to 100*

Received feedback by Julian Wilson and Florian Walsh that

### **#5 - 31 Mar 2024 20:40 - Nico Mexis**

- *Status changed from Resolved to Closed*

Only just noticed that my previous comment seems to be cut off for some reason... The feedback was positive: The new versions do not require any Visual C++ Runtime anymore.