CoCoA-5 - Bug #1502

SystemCommand in Microsoft version

08 Oct 2020 12:29 - John Abbott

Status:	In Progress	Start date:	08 Oct 2020
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	50%
Category:	bug	Estimated time:	0.00 hour
Target version:	CoCoA-5.4.2	Spent time:	2.50 hours

Description			
Andraschko reports that SystemCommand does not work properly in the Microsoft release.			

Related issues:			
Related to CoCoA-5 - Feature #1231: system command		**Closed**	**26 Oct 2018**
Related to CoCoA-5 - Feature #1373: GFan also for Microsoft?		**In Progress**	**04 Dec 2019**

History

#1 - 08 Oct 2020 12:29 - John Abbott

- Related to Feature #1231: system command added

#2 - 08 Oct 2020 12:32 - John Abbott

Our code looks to be correct (in agreement with the description given on website cpprefeence.com).

At the moment I have no idea to proceed. A quick internet search did not reveal any other people reporting similar problems.
Emacs on Microsoft appeared to be able to send CLI commands (via M-!).

Puzzled.

#3 - 02 Mar 2021 07:59 - John Abbott

With luck Andraschko will make some tests this week.
By chance I happened to speak to a friend (Nick) who suggested that it might be a good idea to ensure that output from any command is sent to a file (since Microsoft cmd.exe may not have a notion like "standard output").

#4 - 30 Oct 2021 19:57 - John Abbott

- Status changed from New to In Progress

- Assignee set to John Abbott

- % Done changed from 0 to 50

Bernhard and I made several tests yesterday: well, he made the tests, I just came up with "clever"(??) ideas.

SUMMARY

- so that SystemCommand works the code must be compiled in Cygwin with the flag **-D_GNU_SOURCE**, **and** the executable must reside in a subdirectory of C:/cygwin
- if either condition is not satsfied then SystemCommand appears to do nothing, and returns a non-zero code; strangely the test inside CoCoA-5 does not detect that the low-level system command fails... I wonder why?

Anyway, The build scripts now set the compilation flag _GNU_SOURCE if the platform is Cygwin.

We must document the requirement to place the executable in a subtree of C:/cygwin. Where should this advice be?

PS Many thanks to Bernhard for his patience and assiduity.

#5 - 03 Feb 2022 19:46 - John Abbott

- Related to Feature #1373: GFan also for Microsoft? added

#6 - 03 Feb 2022 19:46 - John Abbott

- Target version changed from CoCoA-5.4.0 to CoCoA-5.4.2