

CoCoA-5 - Support #629

Windows-GUI: compilation with MinGW

25 Sep 2014 11:13 - Anna Maria Bigatti

Status:	In Progress	Start date:	25 Sep 2014
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	20%
Category:	Portability	Estimated time:	10.00 hours
Target version:	CoCoA-5.?.?	Spent time:	2.60 hours
Description			
Instructions on how to compile with MinGW (including GUI)			
Related issues:			
Related to CoCoA - Support #266: Compilation on M\$Windows: cygwin		Closed	17 Oct 2012

History

#1 - 25 Sep 2014 13:43 - Anna Maria Bigatti

- % Done changed from 0 to 10

(Following and updating Jan Limbeck's notes)

Download QT 5.3.2 32 Bit with MinGW compiler

http://download.qt-project.org/official_releases/qt/5.3/5.3.2/qt-opensource-windows-x86-mingw482_opengl-5.3.2.exe Download MSys and integrate with QT MinGW

<http://www.mingw.org/wiki/msys>

(downloading/using mingw-get-setup.exe)

#2 - 25 Sep 2014 13:44 - Anna Maria Bigatti

- % Done changed from 10 to 20

- Estimated time set to 10.00 h

== Download and unpack GMP 6.0.0a

<https://gmplib.org/download/gmp/gmp-6.0.0a.tar.lz>

(might need to install zlib1.dll in windows libs)

```
./configure --enable-fat --enable-cxx
```

```
make
```

```
make check
```

```
make install
```

#3 - 25 Sep 2014 14:35 - Anna Maria Bigatti

== Download and unpack Boost 1.56

<http://sourceforge.net/projects/boost/files/boost/1.56.0/>

```
start bootstrap.bat gcc
```

```
./b2 install toolset=gcc --with-system --with-thread --with-filesystem --build-type=minimal stage
```

#4 - 16 Feb 2016 16:06 - John Abbott

- Target version changed from CoCoA-5.1.2 summer 2015 to CoCoA-5.1.3/4 Jan 2016

I have changed the target version for this issue; I suppose it is more or less permanent (i.e. has to be reconsidered for every release?)

#5 - 16 Feb 2016 16:07 - John Abbott

- Status changed from New to In Progress

#6 - 17 Feb 2016 10:56 - Anna Maria Bigatti

- Target version changed from CoCoA-5.1.3/4 Jan 2016 to CoCoA-5.2.0 spring 2017

#7 - 28 Apr 2017 09:17 - Anna Maria Bigatti

- Target version changed from CoCoA-5.2.0 spring 2017 to CoCoA-5.2.2

#8 - 01 Dec 2017 18:31 - Anna Maria Bigatti

- Target version changed from CoCoA-5.2.2 to CoCoA-5.???

#9 - 19 Mar 2024 22:21 - Nico Mexis

- File Screenshot 2024-03-19 215205.png added

I know it has been quite some time, but I have made some progress on this: Even the GUI works for me!
However, there are still some caveats and many tweaks one needs to make in CoCoA's sources.
Most prominently: The SignalWatcher needs to be pretty much completely disabled - however that is only the tip of the iceberg.
I will try to find cross-platform solutions for all the issues I encountered and let John know.

Files

Screenshot 2024-03-19 215205.png	130 KB	19 Mar 2024	Nico Mexis
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