

## CoCoA-5 - Support #629

### Windows-GUI: compilation with MinGW

25 Sep 2014 11:13 - Anna Maria Bigatti

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

#### 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](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
----------------------------------	--------	-------------	------------