

CoCoA - Feature #214

gmp header location assumption in configure script

01 Aug 2012 13:50 - Christof Soeger

<b>Status:</b>	Closed	<b>Start date:</b>	01 Aug 2012
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Portability	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoA-5.0.3	<b>Spent time:</b>	3.55 hours
<b>Description</b> <p>In the new Ubuntu 12.04 (at least in 64-bit version) the relation between the gmp library and header is not as assumed by the CoCoA configure script:</p> <pre># ./configure --with-libgmp=/usr/lib/x86_64-linux-gnu/libgmp.a</pre> <pre>ERROR: Cannot find or read GMP header file.</pre> <pre>ERROR: Expected to find it in "/usr/lib/include/gmp.h"</pre> <p>I manually adapted the script to my locations:</p> <pre>library is in "/usr/lib/x86_64-linux-gnu/libgmp.a"</pre> <pre>header is in "/usr/include/gmp.h"</pre> <p>There are several possibilities to make the script more flexible, so it would also find it in this setup, i.e. going up one directory and looking there and in ./include/, if not successful go up another dir...</p> <p>But I still thing it would be best if the script could get the system default paths for include paths (but I don't know how to do that).</p>			
<b>Related issues:</b>			
Related to CoCoA - Feature #247: Use gmp default location if possible		Closed	17 Sep 2012

History

#1 - 31 Aug 2012 12:07 - John Abbott

- Status changed from New to In Progress
- Assignee set to John Abbott
- % Done changed from 0 to 80

I have modified gmp-find.sh to handle the cases reported by Christof and Winfried.  
The script now finds both the library and the header file; I modified configure script accordingly.

I'll make the modified version available soon, and will close if/when Christof and Winfried report that it works.

Note: Christof is on holiday until 2012-09-11.

#2 - 31 Aug 2012 12:58 - John Abbott

Previous change did not work when user specified GMP library.

#3 - 01 Oct 2012 12:13 - Christof Soeger

- % Done changed from 80 to 90

Works for me.

**#4 - 01 Oct 2012 12:18 - John Abbott**

- *Status changed from In Progress to Resolved*

Waiting for confirmation from **John** and **Anna** that Christof's new script works on their computers. Will close if all works properly.

**#5 - 04 Oct 2012 13:00 - John Abbott**

- *Status changed from Resolved to Closed*

- *Target version set to CoCoA-5.0.3*

- *% Done changed from 90 to 100*