

Exiv2 - Bug #410

config.h must be installed

09 Feb 2005 08:45 - Andreas Huggel

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Andreas Huggel	% Done:	0%
Category:	build	Estimated time:	0.00 hour
Target version:	0.6.2		
Description			
<p>Just today I started programming using the library. Before I started, I naturally built and installed the library.</p> <p>To cut a really long story short, when I tried to build a program including exif.hpp, it did not work. g++ spat out heaps of errors and then gave up. However, when your Makefile built the program in the first place, it was fine.</p> <p>After some investigation, it became clear that types.hpp, included by exif.hpp, calls up a "config.h" in the root of where the exiv .tar.gz was unpacked and ./configure'd. (In my case, /home/daniel/Incoming/exiv).</p> <p>It also requires "HAVE_CONFIG_H" to be defined to even include the file. If you do not include the file, then g++ dies with lots of errors (mostly syntax errors).</p> <p>Basically: the library relies on this config.h, but it is not installed with the rest of the library header files.</p> <p>(Reported by Daniel Foote)</p> <p>Additional information:</p> <p>To fix this, I copied config.h to /usr/local/include, renamed it to "exivconfig.h", and modified types.hpp to always include this file. This saves the need to compile my program with -DHAVE_CONFIG_H, and, allows it to compile at all.</p> <p>For you to reproduce the output of g++, simply try to compile one of your utilities. Change into the "src" directory, and then type:</p> <pre>g++ -I. -lexiv2 -o metacopy metacopy.cpp</pre> <p>And it will momentarily die. To "fix" it temporarily change the line to:</p> <pre>g++ -I. -I.. -lexiv2 -DHAVE_CONFIG_H -o metacopy metacopy.cpp</pre> <p>Like I say, I've hacked my install up so that it works and I can get on writing my program. But I thought you would like to know about this.</p> <p>(Workaround by Daniel Foote)</p>			
Related issues:			
Related to Exiv2 - Bug #420: Defines should have a library specific prefix, l...		Closed	

History

#1 - 12 Feb 2005 20:36 - Andreas Huggel

[r503](#) (part 1, branches/Exiv2-0_6_041212)

[r514](#) (part 1, trunk)

[r515](#) (part 2, branches/Exiv2-0_6_041212)

[r534](#) (part 2, trunk)

#2 - 21 Feb 2005 07:12 - Andreas Huggel

In addition, defines should have a library specific prefix, like e.g., EXV_HAVE_CONFIG_H

<http://lists.gnu.org/archive/html/autoconf/2002-03/msg00115.html>

#3 - 01 Mar 2005 06:30 - Andreas Huggel

Not yet fixed: Defines should have a library specific prefix, like e.g., EXV_HAVE_CONFIG_H

See Bug #0000420