

Exiv2 - Patch #865

Patches for locale and boost issue

02 Nov 2012 05:11 - Mario anyc

Status:	Closed	Start date:	02 Nov 2012
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	50%
Category:	build	Estimated time:	1.00 hour
Target version:	0.24		
Description			
Exiv2 fails to build with et_EE locale (see [[https://bugs.gentoo.org/show_bug.cgi?id=382731]]) and with boost filesystem version 3 (see [[https://bugs.gentoo.org/show_bug.cgi?id=440842]]).			
The locale issue can be fixed by prepending LC_ALL="C" to the sed commands in the Makefile. We fixed it by executing: sed -i -r "s,(s+)sed\s,\1LC_ALL="C" sed ,g" src/Makefile For this locale, [A-Z] does not include all letters of the alphabet.			
For the boost issue I attached a patch. Only simple substitutions are necessary.			

Associated revisions

Revision 2932 - 03 Nov 2012 09:10 - Robin Mills

Issue: #865. Thank you Mario for the patch. <http://dev.exiv2.org/issues/865>

Revision 2933 - 03 Nov 2012 10:37 - Robin Mills

Issue: #865. Thank you Mario for the patch.

History

#1 - 02 Nov 2012 06:48 - Mario anyc

A small correction: The bug corresponding to the boost issue is https://bugs.gentoo.org/show_bug.cgi?id=357605, the issue in https://bugs.gentoo.org/show_bug.cgi?id=440842 is that setting a macro to stick to FS version 2 does not work anymore as a fix for the previous bug and instead, the proposed patch is required.

#2 - 03 Nov 2012 09:11 - Robin Mills

Mario

Thanks for providing the patch which I've submitted: SVN:2932

I'm a little lost by your two messages. The patch only contains C++ changes to contrib/organize/organize.cpp and doesn't have anything to do with Makefiles and sed. Can you confirm that the patch is good and your self-correction in message 2 only concerns the boost paper trail.

Robin

#3 - 03 Nov 2012 09:40 - Mario anyc

- File *exiv-0.23-locale.patch* added

Ah, sorry, maybe I was a little bit too sloppy while writing the description. :)

Your commit fixes the boost issue, yes. The other issue concerns the src/Makefile. I wrote a proper patch that equals the result of the mentioned sed command. It prepends the two sed commands in the Makefile with LC_ALL="C" in order to make them behave as expected also with special locales. The second sed command in the Makefile failed for one of our users with et_EE locale as their alphabet has a different sorting and therefore the [A-Z] regexp behaves differently.

#4 - 03 Nov 2012 10:38 - Robin Mills

Ah yes. I now understand. Thanks - that's ingenious. I've submitted the change to src/Makefile: SVN 2933

A long-term project goal is to only support CMake and discontinue support for autotools and msvc. The file *exv_conf.h* is generated by CMake without using sed and is not impacted by this change. The *msvc/msvc64* build environments use the static file *exv_msvc.h* instead of *exv_conf.h* and is not impacted by this change.

#5 - 03 Nov 2012 10:46 - Robin Mills

- Category set to build
- Status changed from New to Assigned
- Assignee set to Robin Mills
- Target version set to 0.24
- % Done changed from 0 to 50
- Estimated time set to 1.00 h

#6 - 15 Jan 2013 19:50 - Robin Mills

- Status changed from Assigned to Resolved

#7 - 24 Jul 2013 15:19 - Robin Mills

- Status changed from Resolved to Closed

Fixed in 0.24.

Files

exiv2-0.23-boost-fs-contrib.patch	9.33 KB	02 Nov 2012	Mario anyc
exiv-0.23-locale.patch	840 Bytes	03 Nov 2012	Mario anyc