

Exiv2 - Bug #439

The exiv2 library should be re-entrant

11 Sep 2005 01:26 - Andreas Huggel

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Andreas Huggel	% Done:	100%
Category:	design	Estimated time:	0.00 hour
Target version:	0.22		
Description			
Exiv2 is currently not re-entrant. I'm aware of the following problems, but maybe there are more: + It uses the old versions of some C/Posix functions instead of the *_r version. + Construction of the Image and Makernote factories accesses static variables without any protection			

Associated revisions

Revision 2538 - 01 Jul 2011 08:03 - Andreas Huggel

#439: Added optional parameters to XmpParser::initialize() to work around thread-safety issues (Jonathan Potter, GP Software)

History

#1 - 25 Jun 2008 08:03 - Andreas Huggel

AFAICS This is finally fixed with the removal of the complex Makernote registration logic.

#2 - 14 Jul 2008 05:33 - Andreas Huggel

Exiv2::XmpParser::initialize and Exiv2::XmpProperties::registerNs are not thread-safe, see http://bugs.kde.org/show_bug.cgi?id=166424

#3 - 18 Dec 2008 18:39 - Andreas Huggel

- Target version changed from 0.18 to 1.0

- % Done changed from 0 to 80

#4 - 20 May 2009 02:11 - Andreas Huggel

See also [Thread safety](#) in the Wiki.

#5 - 20 May 2009 03:39 - Gilles Caulier

Andreas Huggel wrote:

Exiv2 is currently not re-entrant. I'm aware of the following problems, but maybe there are more:
+ It uses the old versions of some C/Posix functions instead of the *_r version.
+ Construction of the Image and Makernote factories accesses static variables without any protection

And use d private internal classes to host privates members/methods, to improve bianry compatibility and clean up code... This is very important for a library.

Look here for details from KDE project :

http://techbase.kde.org/Policies/Library_Code_Policy#Shared_D-Pointers

Gilles Caulier

#6 - 01 Jul 2011 08:09 - Andreas Huggel

- Status changed from Feedback to Resolved

- Target version changed from 1.0 to 0.22

- % Done changed from 80 to 100

#7 - 18 Sep 2011 05:27 - Andreas Huggel

- Status changed from Resolved to Closed