

## Exiv2 - Bug #812

### Exiv2 destroys hard links

06 Feb 2012 20:36 - Andreas Huggel

<b>Status:</b>	Closed	<b>Start date:</b>	06 Feb 2012
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Huggel	<b>% Done:</b>	100%
<b>Category:</b>	basicio	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.23		
<b>Description</b>			
See <a href="http://dev.exiv2.org/boards/3/topics/1103">http://dev.exiv2.org/boards/3/topics/1103</a>			
Reported by Anders Kamf			

#### Associated revisions

##### Revision 2658 - 06 Feb 2012 20:41 - Andreas Huggel

#812: Don't destroy files when checking if they are writable; use a memory buffer instead of a temporary file when writing files with hard links to preserve the links.

##### Revision 2660 - 10 Feb 2012 19:58 - Andreas Huggel

#812: Added function to determine the number of hard links on Windows NTFS. (Thomas Beutlich)

##### Revision 2688 - 23 Mar 2012 18:57 - Andreas Huggel

#812: Changed LoadLibrary to LoadLibraryA (Thomas Beutlich).

##### Revision 2689 - 24 Mar 2012 06:00 - Andreas Huggel

#812: Tweak to make the code compile with MSYS/MinGW.

##### Revision 3630 - 24 Mar 2015 00:27 - Robin Mills

#1043 and #1042. Thanks to Thomas for showing that r3627 reintroduced #812. Thanks to Thoralf for suggesting msync Memlo fix.

##### Revision 3631 - 24 Mar 2015 10:36 - Robin Mills

#1042 #1043 #812 Added test regression detectors

##### Revision 3635 - 24 Mar 2015 22:25 - Robin Mills

#1043 #1042 #812. Thank You to Thomas for this "polishing" patch. Thank you to everybody who has worked on this issue. Adding all the comments on the three issues together comes to about 60 items by at least 6 contributors. And it involves platform issues, networking, Linux and Windows APIs. One of the most complex issues to arise in Exiv2. Well done everybody. And we've dealt with this quickly. Only 9 days since Calvin first reported

#1042.

I use the term "complex" to mean many threads of technology. "complex" != "complicated". "complicated" = "difficult to understand". We try to avoid "complicated".

## History

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**#1 - 15 Feb 2012 05:17 - Andreas Huggel**

- *Status changed from Assigned to Resolved*

**#2 - 20 Apr 2012 21:01 - Andreas Huggel**

- *% Done changed from 0 to 100*

**#3 - 03 May 2012 17:14 - Andreas Huggel**

- *Status changed from Resolved to Closed*