

Exiv2 - Bug #1201

Rating=4 automatically added when writing sidecar

10 Aug 2016 20:12 - Elfie Groslin

Status:	Closed	Start date:	10 Aug 2016
Priority:	Normal	Due date:	
Assignee:	Alan Pater	% Done:	100%
Category:	metadata	Estimated time:	2.00 hours
Target version:	0.26		
Description			
<p>This behavior was observed when writing metadata to images with DigiKam. The bug seems to come from Exiv2 and I was asked to report it here instead.</p> <p>The comment from the DigiKam developer was that when running this command:</p> <pre>exiv2 -eX 20160806-105555-NIKON-D300S.nef</pre> <p>Then even though the original image has no rating, the sidecar file is created with a rating of 4. He guesses this could be related to the tag <code>Iptc.Application2.RecordVersion=4</code> in the image.</p> <p>The test image can be found here:</p> <p>https://www.dropbox.com/sh/3iven4s0jamu5m5/AAC_6Of-XkPQu4krf2FpLSSNa?dl=0</p> <p>Thanks.</p>			

Associated revisions

Revision 4364 - 11 Aug 2016 14:13 - Alan Pater

#1201 do not map `Iptc.Application2.RecordVersion` to `Xmp.xmp.Rating`

History

#1 - 10 Aug 2016 21:09 - Alan Pater

- Category set to metadata
- Assignee set to Alan Pater
- % Done changed from 0 to 50
- Estimated time set to 2.00 h

Included in exiv2 as an explicit feature, not a bug.

Defacto norms are to map "Iptc.Application2.RecordVersion" to "Xmp.xmp.Rating". However, it may be that this defacto norm is wrong.

What is the justification for removing this mapping when it is expected by many users? Or is it expected?

#2 - 11 Aug 2016 13:35 - Elfie Groslin

According to page 24 of the IPTC standard (<https://www.iptc.org/std/IIM/4.1/specification/IIMV4.1.pdf>), none of the tags in the Application Record No.2 section are mandatory, but if any is used then the Record Version is mandatory.

Here is the description of this tag:

A binary number identifying the version of the Information Interchange Model, Part II (Record 2:xx), utilised by the provider. Version numbers are assigned by IPTC and NAA. The version number of this record is four (4).

I am not sure why this ended up being mapped to `Xmp.xmp.Rating`?

Also on your wiki page here (http://dev.exiv2.org/projects/exiv2/wiki/The_Metadata_in_JPEG_files), example 2 under section 3.2 lists metadata from an image having the `Iptc.Application2.RecordVersion` tag set to 4 and a `Xmp.xmp.Rating` tag set to 0.

#3 - 11 Aug 2016 14:04 - Alan Pater

- Status changed from New to Assigned
- Target version set to 0.26

Looking back, it seems you are correct. I can't find any documentation justifying this mapping. It will be fixed shortly ...

#4 - 11 Aug 2016 14:30 - Alan Pater

- *Status changed from Assigned to Closed*

- *% Done changed from 50 to 100*