

Exiv2 - Bug #789

xmp handling faults (III) - AKA: policing XMP namespaces

30 Aug 2011 09:45 - Jens Mueller

Status:	Assigned	Start date:	30 Aug 2011
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	0%
Category:	metadata	Estimated time:	0.00 hour
Target version:	0.28		
Description			
This entry is for seperating xmp handling bugs from xmpsdk upgrade for easier tracking.			
Steps to reproduce:			
<ul style="list-style-type: none">• Take some image, clear all metadata with 'exiv2 -d a'• Set XMP Basic Schema property 'Label' to 'Orange' with 'exiv2 -M "set Xmp.xmp.Label Orange"'• Set XMP Basic Schema property 'Rating' to '3' with 'exiv2 -M "set Xmp.xmp.Rating 3"'• Open the file in some xmp conform application like Adobe Lightroom or Nikon ViewNX2. Verify that Rating and Label are set• According to http://dev.exiv2.org/boards/3/topics/687 it is approved to register your own namespace and set some property in there 'exiv2 -M "reg xmp http://ns.imagapp.pro/imageapp/v1/" -M "set Xmp.xmp.uuid ab75b096-83d3-11df-91a5-000c2953179a"'• Open the file in some xmp conform application like Adobe Lightroom or Nikon ViewNX2. See that Rating and Label are gone			
Related issues:			
Related to Exiv2 - Feature #941: Upgrade xmpsdk source to Adobe's current ver...		Closed	27 Dec 2013

History

#1 - 10 Apr 2015 14:57 - Robin Mills

- Category set to metadata
- Status changed from New to Assigned
- Assignee set to Alan Pater
- Target version set to 0.25

#2 - 10 Apr 2015 14:57 - Robin Mills

- Target version changed from 0.25 to 0.26

#3 - 06 Sep 2015 22:54 - Alan Pater

- Subject changed from xmp handling faults (III) to xmp handling faults (III) - AKA: policing XMP namespaces
- Assignee changed from Alan Pater to Andreas Huggel

According to the XMP specification, the correct namespace for xmp is <http://ns.adobe.com/xap/1.0/>

<http://www.exiv2.org/tags-xmp-xmp.html>

Step 5 overwrites the pre-registered XMP namespace with a different URI thus causing the apparent loss of the Label and Rating.

I have understood that exiv2 has made this design decision to not police XMP namespaces nor XMP properties. I think a case could be made for revisiting that decision on the grounds that it is a quite unusual user of exiv2 who would have a need or desire to change pre-registered namespaces or XMP properties and data types. Many ~~if not most~~ users would ~~+~~suspect expect exiv2 to lock down existing namespaces and properties rather then let them mess things up. Of course, that is easy for me to say, as I am not qualified to actually write the code to do that! ;-)

I suggest holding off on any changes to this issue until the XMP SDK is updated. As of this writing the XMP SDK is at version 2014.12.

#4 - 27 Aug 2016 20:38 - Robin Mills

- Assignee changed from Andreas Huggel to Robin Mills
- Target version changed from 0.26 to 0.28

I'll deal with this in v0.27 when I update to the latest XMPsdk.