

## Exiv2 - Bug #789

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

30 Aug 2011 09:45 - Jens Mueller

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

#### 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 ~~not~~ suspect expect exiv2 to lock down existing namespaces and properties rather than 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.