

Exiv2 - Bug #788

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

29 Aug 2011 11:57 - Jens Mueller

Status: Assigned	Start date: 29 Aug 2011
Priority: Normal	Due date:
Assignee: Robin Mills	% Done: 0%
Category: metadata	Estimated time: 0.00 hour
Target version: 0.28	
Description	
<p>This entry is for separating xmp handling bugs from xmpsdk upgrade for easier tracking.</p> <p>Steps to reproduce:</p> <ul style="list-style-type: none">- Open the attached image in some xmp conform application like Adobe Lightroom or Nikon ViewNX2. Verify that Dublin Core Schema property 'creator' is set to 'Daffy Duck'.- Open the image in some application using libexiv2 for metadata handling like Digikam and see that Dublin Core Schema property 'creator' is set to 'Daffy Duck, Bugs Bunny'.- Set the Dublin Core Schema property 'subject' with the following command ' <code>exiv2 -M "set Xmp.dc.subject bug-verification"</code>'- See that Dublin Core Schema property 'creator' is set to 'Bugs Bunny'. <p>This bug is worse, it trashes valid informations.</p> <p>Developer note: This file uses non-common prefixes. This is not a fault of the file, it is used to show up the defects of the current implementation of the xmp standard.</p>	
Related issues:	
Related to Exiv2 - Feature # 941: Upgrade xmpsdk source to Adobe's current ve...	Closed 27 Dec 2013

History

#1 - 10 Apr 2015 14:56 - Robin Mills

- Category set to metadata
- Status changed from New to Assigned
- Assignee set to Alan Pater
- Target version set to 0.26

#2 - 06 Sep 2015 23:00 - Alan Pater

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

According to the XMP specification, the correct namespace for dc is <http://purl.org/dc/elements/1.1/>

The attached test file overwrites this with <http://xurl.org/dc/elements/1.1/> and reassigns that URI to the custom namespace of dc_1 thus causing confusion amongst consumers of the data.

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 I 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.

#3 - 27 Aug 2016 20:37 - 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.

Files

exiv2_xmp_dc2.jpg	12.4 KB	29 Aug 2011	Jens Mueller
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