

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	
This entry is for seperating xmp handling bugs from xmpsdk upgrade for easier tracking.	
Steps to reproduce:	
<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'.	
This bug is worse, it trashes valid informations .	
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.	
Related issues:	
Related to Exiv2 - Feature #941: Upgrade xmpsdk source to Adobe's current ver...	Closed 27 Dec 2013

History

#1 - 10 Apr 2015 14:56 - 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 ~~+~~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