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:

- 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 ' *exiv2 -M "set Xmp.dc.subject bug-verification"* '
- 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 ~~I 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.

#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