

## Exiv2 - Bug #1281

### crash in Exiv2, XMP parser class and in Adobe XMP SDK

10 Mar 2017 05:56 - Wil Cowb

<b>Status:</b>	Closed	<b>Start date:</b>	10 Mar 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robin Mills	<b>% Done:</b>	100%
<b>Category:</b>	xmp	<b>Estimated time:</b>	1.00 hour
<b>Target version:</b>	0.26		

**Description**

Probably something in my image in XMP metadata is not well interpreted by Exiv2. exiv2 called by digiKam via API (<https://cgit.kde.org/digikam.git/tree/libs/dmetadata>)

The image that caused the crash can be downloaded here:  
[https://drive.google.com/open?id=0B5\\_iknSPeSNBc0NoLVplZXFYDw](https://drive.google.com/open?id=0B5_iknSPeSNBc0NoLVplZXFYDw)

More details can be found here:  
[https://bugs.kde.org/show\\_bug.cgi?id=377418](https://bugs.kde.org/show_bug.cgi?id=377418)

Exiv2 0.26-svn

### History

#### #1 - 10 Mar 2017 06:48 - Robin Mills

- Category set to xmp

- Assignee set to Robin Mills

Regrettably very little can be done about this at the moment as I am preparing the v0.26 release.

I am surprised about a fault in the XMP code. I will take a quick look at this in the next day or two. I will not delay shipping v0.26 to fix this.

#### #2 - 10 Mar 2017 06:49 - Robin Mills

- Status changed from New to Assigned

#### #3 - 10 Mar 2017 07:46 - Robin Mills

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

- Estimated time set to 1.00 h

No crash here with Exiv2 v.0.26 Release Candidate ([4726](#)):

```
662 rmills@rmillsmm:~/gnu/exiv2/trunk $ exiv2 -vVg svn
exiv2 0.26 001900 (64 bit build)
svn=4726
663 rmills@rmillsmm:~/gnu/exiv2/trunk $ ls -alt ~/Downloads/2*.jpg
-rw-r--r--+ 1 rmills staff 5315628 Mar 10 07:13 /Users/rmills/Downloads/20161218_172327.jpg
664 rmills@rmillsmm:~/gnu/exiv2/trunk $ exiv2 -pa --grep Xmp ~/Downloads/2*.jpg
Xmp.MP.RegionInfo XmpText 0 type="Struct "
Xmp.MP.RegionInfo/MPRI:Regions XmpText 0 type="Bag"
Xmp.MP.RegionInfo/MPRI:Regions[1] XmpText 0 type="Struct "
Xmp.MP.RegionInfo/MPRI:Regions[1]/MPReg:PersonDisplayName XmpText 6 Alexis
Xmp.MP.RegionInfo/MPRI:Regions[1]/MPReg:Rectangle XmpText 37 0.61634, 0.288822, 0.107116, 0.190428
Xmp.MicrosoftPhoto.LastKeywordIPTC XmpBag 1 Alexis
Xmp.MicrosoftPhoto.LastKeywordXMP XmpBag 3 Activities/playing, People/Alexis, Events/christmas
Xmp.acdsee.categories XmpText 273 <Categories><Category Assigned="0">Activities<Category Assigned="1">playing</Category></Category><Category Assigned="0">People<Category Assigned="1">Alexis</Category></Category><Category Assigned="0">Events<Category Assigned="1">christmas</Category></Category></Categories>
Xmp.dc.subject XmpBag 3 playing, Alexis, christmas
Xmp.digiKam.TagsList XmpSeq 3 Activities/playing, People/Alexis, Events/christmas
```

```

Xmp.exif.Flash XmpText 0 type="Struct"
Xmp.exif.Flash/exif:Fired XmpText 4 True
Xmp.exif.Flash/exif:Function XmpText 5 False
Xmp.exif.Flash/exif:Mode XmpText 1 0
Xmp.exif.Flash/exif:RedEyeMode XmpText 5 False
Xmp.exif.Flash/exif:Return XmpText 1 0
Xmp.exif.GPSTimeStamp XmpText 20 2016:12:19 00:22:57
Xmp.lr.hierarchicalSubject XmpBag 3 Activities|playing, People|Alexis, Events|christmas
Xmp.mediapro.CatalogSets XmpBag 3 Activities|playing, People|Alexis, Events|christmas
Xmp.mwg-rs.Regions XmpText 0 type="Struct"
Xmp.mwg-rs.Regions/mwg-rs:AppliedToDimensions XmpText 0 type="Struct"
Xmp.mwg-rs.Regions/mwg-rs:AppliedToDimensions/stDim:h XmpText 4 2988
Xmp.mwg-rs.Regions/mwg-rs:AppliedToDimensions/stDim:unit XmpText 5 pixel
Xmp.mwg-rs.Regions/mwg-rs:AppliedToDimensions/stDim:w XmpText 4 5312
Xmp.mwg-rs.Regions/mwg-rs:RegionList XmpText 0 type="Bag"
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1] XmpText 0 type="Struct"
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Area XmpText 0 type="Struct"
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Area/stArea:h XmpText 8 0.190428
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Area/stArea:unit XmpText 10 normalized
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Area/stArea:w XmpText 8 0.107116
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Area/stArea:x XmpText 8 0.669898
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Area/stArea:y XmpText 8 0.384036
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Name XmpText 6 Alexis
Xmp.mwg-rs.Regions/mwg-rs:RegionList [1]/mwg-rs:Type XmpText 4 Face
Xmp.tiff.BitsPerSample XmpSeq 1 8
Xmp.tiff.Compression XmpText 1 6
Xmp.tiff.ImageLength XmpText 4 2988
Xmp.tiff.ImageWidth XmpText 4 5312
Xmp.tiff.Software XmpText 14 G925W8VLU5CPK4
Xmp.tiff.YCbCrPositioning XmpText 1 Centered
Xmp.tiff.YCbCrSubSampling XmpSeq 2 2, 1
Xmp.xmp.CreatorTool XmpText 37 Microsoft Photo Gallery 16.4.3528.331
665 rmills@rmillsmm:~/gnu/exiv2/trunk $

```

#### #4 - 10 Mar 2017 19:04 - Robin Mills

- Status changed from Resolved to Closed