

Exiv2 - Feature #1054

Overhaul exiv2json.cpp to build a deeply recursive JSON tree of XMP data

10 Apr 2015 09:11 - Robin Mills

Status:	Closed	Start date:	10 Apr 2015
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	metadata	Estimated time:	0.00 hour
Target version:	0.25		
Description			
See discussion: http://dev.exiv2.org/boards/3/topics/1951 Submitted: r3666 .			

Associated revisions

Revision 3666 - 10 Apr 2015 09:12 - Robin Mills

#1054. Overhauled exiv2json to recursively build a JSON tree. See discussion: <http://dev.exiv2.org/boards/3/topics/1951>

Revision 3672 - 10 Apr 2015 18:42 - Robin Mills

#1054. Replaced the reference mess with a beautiful one-line recursion. Iteration is interesting; recursion is really elegant.

Revision 3676 - 10 Apr 2015 18:56 - Robin Mills

#1054. Final polish and comments about the recursion.

Revision 3678 - 10 Apr 2015 21:56 - Robin Mills

#1054. More polishing. Adding clarification to the recursion. Other code simplification/elimination.

Revision 3705 - 20 Apr 2015 08:54 - Robin Mills

#1054. Write LangAltValue as json object "lang" : { "en-US":"....", ... }

Revision 3714 - 21 Apr 2015 18:48 - Robin Mills

#1054. exiv2json deep recursion and AltLang support. Regression detector.

History

#1 - 10 Apr 2015 09:13 - Robin Mills

- Tracker changed from Bug to Feature

#2 - 10 Apr 2015 09:18 - Robin Mills

- File BabyGnuTux-BigWLPG.jpg added

```
600 rmills@rmillsmbp:~/gnu/exiv2/trunk/samples $ ../bin/exiv2json a ~/Downloads/BabyGnuTux-BigWLPG.jpg | expand -t 2
```

```
{
  "FS": {
    "path": "\\Users\\rmills\\Downloads\\BabyGnuTux-BigWLPG.jpg",
    "realpath": "\\Users\\rmills\\Downloads\\BabyGnuTux-BigWLPG.jpg",
    "st_dev": 16777220,
    "st_ino": 51155556,
    "st_mode": 33188,
    "st_nlink": 1,
    "st_uid": 501,
    "st_gid": 20,
    "st_rdev": 0,
    "st_size": 121943,
    "st_atime": 1428657394,
    "st_mtime": 1427548635,
    "st_ctime": 1427548635,
    "st_blksize": 4096,
    "st_blocks": 240
  },

```

```

"Exif": {
  "Image": {
    "Orientation": 1,
    "XResolution": [
      720090,
      10000
    ],
    "YResolution": [
      720090,
      10000
    ],
    "ResolutionUnit": 2,
    "Software": "Adobe Photoshop CS5 Windows",
    "DateTime": "2012:01:04 20:34:45",
    "ExifTag": 164
  },
  "Photo": {
    "ColorSpace": 1,
    "PixelXDimension": 1600,
    "PixelYDimension": 800
  },
  "Thumbnail": {
    "Compression": 6,
    "XResolution": [
      72,
      1
    ],
    "YResolution": [
      72,
      1
    ],
    "ResolutionUnit": 2,
    "JPEGInterchangeFormat": 302,
    "JPEGInterchangeFormatLength": 3586
  }
},
"xmp": {
  "xmp": {
    "CreatorTool": "Adobe Photoshop CS5 Windows",
    "CreateDate": "2012-01-04T20:32:52+01:00",
    "ModifyDate": "2012-01-04T20:34:45+01:00",
    "MetadataDate": "2012-01-04T20:34:45+01:00"
  },
  "dc": {
    "format": "image/jpeg"
  },
  "photoshop": {
    "ColorMode": "3",
    "ICCProfile": "sRGB IEC61966-2.1"
  },
  "xmpMM": {
    "InstanceID": "xmp.iid:4E9C1E280B37E111A568FF94F417581A",
    "DocumentID": "xmp.did:4D9C1E280B37E111A568FF94F417581A",
    "OriginalDocumentID": "xmp.did:4D9C1E280B37E111A568FF94F417581A",
    "History": [
      {
        "stEvt": {
          "action": "created",
          "instanceID": "xmp.iid:4D9C1E280B37E111A568FF94F417581A",
          "when": "2012-01-04T20:32:52+01:00",
          "softwareAgent": "Adobe Photoshop CS5 Windows"
        }
      },
      {
        "stEvt": {
          "action": "converted",
          "parameters": "from image/png to image/jpeg"
        }
      },
      {
        "stEvt": {
          "action": "saved",
          "instanceID": "xmp.iid:4E9C1E280B37E111A568FF94F417581A",
          "when": "2012-01-04T20:34:45+01:00",
          "softwareAgent": "Adobe Photoshop CS5 Windows",

```


- Status changed from Resolved to Closed

Files

BabyGnuTux-BigWLPG.jpg	119 KB	10 Apr 2015	Robin Mills
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