

Exiv2 - Bug #892

-T does not seem to have an effect

13 Mar 2013 09:41 - Tomáš Hnyk

Status:	Closed	Start date:	13 Mar 2013
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	documentation	Estimated time:	1.00 hour
Target version:	0.24		
Description			
<p>This is on Ubuntu 12.10, exiv2 0.23 001700 (64 bit build).</p> <p>Either I do not understand the -T option or it does not work. I have a scanned picture and I want to have Exif.Image.DateTime and Image timestamp set. I do set the Exif.Image.DateTime: exiv2 -g Exif.Image.DateTime -Pv photo.jpg 2004:06:20 00:00:00</p> <p>Then I verify there is no timestamp: exiv2 photo.jpg File name : photo.jpg File size : 171249 Bytes MIME type : image/jpeg Image size : 1100 x 1680 Camera make : Camera model : Image timestamp : Image number : Exposure time : Aperture : Exposure bias : Flash : Flash bias : Focal length : Subject distance: ISO speed : Exposure mode : Metering mode : Macro mode : Image quality : Exif Resolution : White balance : Thumbnail : None Copyright : Exif comment :</p> <p>I try to update the timestamp: exiv2 -T -v photo.jpg File 1/1: photo.jpg Updating timestamp to 2004:06:20 00:00:00</p> <p>However, when I try to verify whether it was updated, it seems it has not: exiv2 photo.jpg File name : photo.jpg File size : 171249 Bytes MIME type : image/jpeg Image size : 1100 x 1680 Camera make : Camera model : Image timestamp : Image number : Exposure time : Aperture :</p>			

Exposure bias :
Flash :
Flash bias :
Focal length :
Subject distance:
ISO speed :
Exposure mode :
Metering mode :
Macro mode :
Image quality :
Exif Resolution :
White balance :
Thumbnail : None
Copyright :
Exif comment :

History

#1 - 13 Mar 2013 10:20 - Robin Mills

Tomáš

Thank you for using exiv2 and bringing your concern to our attention. I believe the purpose of the -T option is to set the time-stamp in the filesystem from the metadata in the image. Here's what I see on Cygwin:

```
518 rmills@nv10042:~ $ exiv2 -pt ~/foo.jpg | grep Date
Exif.Image.DateTime           Ascii      20  2012:08:07 16:00:28
Exif.Photo.DateTimeOriginal   Ascii      20  2009:12:29 08:34:12
Exif.Photo.DateTimeDigitized  Ascii      20  2009:12:29 08:34:12
519 rmills@nv10042:~ $ touch ~/R.jpg
520 rmills@nv10042:~ $ ls -alt ~/R.jpg
-rwxr-xr-x 1 rmills Domain Users 2205140 Mar 13 09:52 /home/rmills/R.jpg
521 rmills@nv10042:~ $ exiv2 -T ~/foo.jpg
522 rmills@nv10042:~ $ ls -alt ~/foo.jpg
-rwxr-xr-x 1 rmills Domain Users 2205140 Dec 29  2009 /home/rmills/foo.jpg
523 rmills@nv10042:~ $
```

So it doesn't add metadata to the image, it changes the timestamp on the disk.

If you want to add new metadata to the image, you can add modify and change tags. For example:

```
525 rmills@nv10042:~ $ exiv2 -M"set Exif.Image.DateTime 2013-03-13 10:09" foo.jpg
533 rmills@nv10042:~ $ exiv2 -pt foo.jpg | grep -i time
Exif.Image.DateTime           Ascii      17  2013-03-13 10:09
Exif.Photo.ExposureTime       Rational   1  1/200 s
Exif.Photo.DateTimeOriginal   Ascii      20  2009:12:29 08:34:12
Exif.Photo.DateTimeDigitized  Ascii      20  2009:12:29 08:34:12
Exif.CanonCs.Selftimer        Short      1  Off
Exif.CanonCs.DriveMode        Short      1  Single / timer
534 rmills@nv10042:~ $
```

If you want to write a tag such as Exif.Image.DateTime from the timestamp on the filesystem, I think you'll need a script or batch file to do that.

If you'd like me to write the script or batch file, please attach a file and details of your platform (Windows/Mac/Linux/Cygwin/MinGW) and the version of exiv2 being used. You can find the version with the command: exiv2 --version

If I've haven't understood what you want, please explain again and I'll try to help.

#2 - 13 Mar 2013 10:27 - Tomáš Hnyk

Thanks for the quick reply. Oh, i see, and it is even in the man page, it talks about "file timestamp". Mea culpa.

I would actually want to set the "Image timestamp :" in the output of exiv2 foo.jpg but I am unable to find how to do it, exiv2 -M"set Image timestamp 2013-03-13 10:09" foo.jpg throws an error on me.

#3 - 13 Mar 2013 10:45 - Tomáš Hnyk

Never mind, I need to update DateTimeOriginal: exiv2 -M"set Exif.Photo.DateTimeOriginal 2013-03-13 10:09

You can close this now, and thanks for the swift reaction!

#4 - 13 Mar 2013 10:52 - Robin Mills

- Category set to documentation
- Status changed from New to Assigned
- Assignee set to Robin Mills
- Target version set to 0.24
- % Done changed from 0 to 100
- Estimated time set to 1.00 h

You've got it!

When you use the command `$ exiv2 foo.jpg`, it prints a sanitized list of the metadata, so it shows the date as:

```
Image timestamp : 2009:12:29 08:34:12
```

However when you use `$ exiv2 -pt foo.jpg`, it shows the "real" keys:

```
509 rmills@nv10042:~ $ exiv2 -pt foo.jpg | grep -i date
Exif.Image.DateTime           Ascii      17  2013-03-13 10:09
Exif.Photo.DateTimeOriginal   Ascii      20  2009:12:29 08:34:12
Exif.Photo.DateTimeDigitized  Ascii      20  2009:12:29 08:34:12
510 rmills@nv10042:~ $
```

You'll need to use "real" keys to set metadata.

#5 - 13 Mar 2013 11:06 - Robin Mills

- Status changed from Assigned to Resolved

#6 - 15 Mar 2013 15:44 - Robin Mills

- Status changed from Resolved to Closed

I'm going to close this one now. No code change required. This issue only required explaining to Tomáš how the `-T` option works. So, not a bug!