

Exiv2 - Feature #1057

Implement target/modifier - (stdin/stdout) for exiv2 options -i (insert) and -e (extract)

17 Apr 2015 11:25 - Robin Mills

Status:	Closed	Start date:	17 Apr 2015
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	testing	Estimated time:	15.00 hours
Target version:	0.26		
Description			
I added those options to the man page last week. This feature request is ensure I don't forget about this.			
Related issues:			
Related to Exiv2 - Feature #1074: ICC Profile in APP2 segment.		Closed	07 May 2015
Related to Exiv2 - Bug #1148: XMP Rights field padded with spaces		Closed	08 Jan 2016

Associated revisions

Revision 3801 - 09 May 2015 08:07 - Robin Mills

#1057. Update to man page src/exiv2.1 Deferring tgt - (stdin/stdout) to v0.26.

Revision 4220 - 09 Mar 2016 07:51 - Robin Mills

#1057, #1064, #922, #1148. Work in progress. This is a composite patch of several matters in development. None are totally complete at this time.

Revision 4428 - 24 Aug 2016 09:05 - Robin Mills

#1057 man page update for tgt- (stdin/stdout).

Revision 4463 - 05 Sep 2016 17:58 - Robin Mills

#1057 Added support for iG to read ICC profile from stdin to an image.

Revision 4464 - 05 Sep 2016 20:52 - Robin Mills

#1057 Correction to r4633 to fix Windows build-breakers (Cygwin/MinGW and msvc)

Revision 4465 - 06 Sep 2016 07:29 - Robin Mills

#1057 Fixed src\exiv2app.hpp formatting. Moved reading stdin from ctor to getStdin(). WIP: unsolved Windows pipe issues.

Revision 4466 - 06 Sep 2016 09:56 - Robin Mills

#1057 Fixed issues with stdin on Windows which were documented in <http://dev.exiv2.org/issues/1057#note-8>

Revision 4467 - 06 Sep 2016 10:26 - Robin Mills

#1057. Simplification of r4466

Revision 4468 - 06 Sep 2016 13:38 - Robin Mills

#1057 Added support for iXX

Revision 4470 - 07 Sep 2016 13:17 - Robin Mills

#1074 and #1057 Fixing build breakers on Cygwin and msvc MinGW to be further investigaged. add checksum to test functions

History

#1 - 09 May 2015 08:07 - Robin Mills

- Target version changed from 0.25 to 0.26

Punted to v0.26. Insufficient time. I've removed the references to stdin/stdout in the man page: [r3801](#)

#2 - 23 May 2015 08:35 - Robin Mills

- Assignee deleted (Robin Mills)

#3 - 12 Oct 2015 09:00 - Robin Mills

- Assignee set to Robin Mills

#4 - 04 Jan 2016 10:43 - Robin Mills

- % Done changed from 0 to 10

- Estimated time set to 10.00 h

#5 - 13 Jan 2016 20:07 - Robin Mills

- % Done changed from 10 to 40

I've done quite a lot of work on this in pursuit of #1148. I have the common target parser working and respecting stdout for Sidecars. I also have some debugging/support code ready to submit when I add code to support -eXX and -eXX-.

#6 - 24 Aug 2016 09:06 - Robin Mills

- % Done changed from 40 to 70

r4428. I believe this is done. I'll add some tests and appropriate fixes.

#7 - 05 Sep 2016 18:02 - Robin Mills

- % Done changed from 70 to 60

- Estimated time changed from 10.00 h to 15.00 h

r4463. Added support for -iC- to read lccProfile from stdin. Includes support in Params to read from stdin.

Work in progress. I still have to add other -itgt types such as c,a,e,XX appropriate tests to the test suite.

#8 - 06 Sep 2016 07:52 - Robin Mills

r4464. Fixed file format/line-endings. Moved the code to read stdin to getStdin(). It's only read once and only read when required.

There are significant issues with this on Windows. The select() function on Unix returns when there is nothing in the stdin pipe. Windows select() only works on winsock, so Windows wants to wait until there is something in stdin or ^z (eof). Not good. I'm also getting blood curling messages on the console such as:

```
C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005\bin\win32\release>dir Reagan.* *.icc
Volume in drive C has no label.
Volume Serial Number is 0899-EF40
```

Directory of C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005\bin\win32\release

```
09/01/2016 06:28 PM          1,613,600 Reagan.icc
08/23/2016 01:39 PM           49,770 Reagan.jpg
```

Directory of C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005\bin\win32\release

```
09/01/2016 06:28 PM          1,613,600 big.icc
09/01/2016 06:28 PM          1,613,600 Reagan.icc
09/05/2016 07:19 PM           3,142 small.icc
          5 File(s)          4,893,712 bytes
          0 Dir(s) 26,778,259,456 bytes free
```

```
C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005\bin\win32\release>cat big.icc | exiv2 -iC- Reagan.jpg
cat: write error: No space left on device
```

```
C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005\bin\win32\release>type big.icc | exiv2 -iC- Reagan.jpg
The process tried to write to a nonexistent pipe.
```

```
C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005\bin\win32\release>type big.icc | exiv2 -pS Reagan.jpg
```

```
STRUCTURE OF JPEG FILE: Reagan.jpg
address | marker      | length | data
    0 | 0xffd8 SOI  |         |
    2 | 0xffe0 APP0 |    16 | JFIF.....,.,.,.
   20 | 0xffe1 APP1 |   5658 | Exif..MM.*.....
   5680 | 0xffe1 APP1 |   7024 | http://ns.adobe.com/xap/1.0/.<?x
  12706 | 0xffed APP13 |   9594 | Photoshop 3.0.8BIM.....Z...
  22302 | 0xffee APP14 |    14 | Adobe.d@.....
```

22318		0xffdb	DQT		132
22452		0xffc0	SOF0		17
22471		0xffdd	DRI		4
22477		0xffc4	DHT		418
22897		0xffda	SOS		

The process tried to write to a nonexistent pipe.

C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005\bin\win32\release>

I haven't found anything useful yet on Google about this. Probably lots of pain ahead.

#9 - 09 Sep 2016 15:27 - Robin Mills

- % Done changed from 60 to 80

#10 - 15 Sep 2016 14:57 - Robin Mills

- Status changed from Assigned to Closed

- % Done changed from 80 to 100

I have to add a few more tests for this. It is used in webp-test and icc-test. I'll declare victory over this now in order to update the project "News" to report feature-complete and add some more tests later today.