

Exiv2 - Bug #790

XMP embedding corrupts CoreIDRAW EPS files

30 Sep 2011 07:13 - Volker Grabsch

Status:	Closed	Start date:	30 Sep 2011
Priority:	Urgent	Due date:	
Assignee:	Volker Grabsch	% Done:	100%
Category:	image format	Estimated time:	0.00 hour
Target version:	0.23		
Description			
<p>When XMP is embedded into an EPS file generated by CoreIDRAW, the resulting EPS file is corrupt and won't open. As of Exiv2 0.22, the only workaround is removing the XMP via "exiv2 -dx".</p> <p>This issue exists with all CoreIDRAW versions from 11 to X5, and possibly also with older versions of CoreIDRAW. The resulting file can't be opened with any application, because the problem happens at the level of PostScript code.</p> <p>Note that this issue is very different from the issue with Illustrator-8 EPS files, where only one application (Illustrator) wasn't able to open the modified EPS file, but all other applications worked perfectly fine with it.</p> <p>The problem is caused by CoreIDRAW's somewhat strange interpretation of the DSC specification. Usually, the PostScript code after %%EndPageSetup leaves the stack in the same state as it started. However, in CoreIDRAW's code the first effective PostScript command is "restore" (called by "@rs" called by "@rax"). This works only well if the last command of PageSetup was "@sv" (which calls "save"). However, this is exactly where our XMP embedding code is inserted, in conformance with the XMP specification. So the "restore" undoes some definition of our XMP embedding which leads to an "undefined" error later in the second part of the XMP embedding code (at %%PageTrailer).</p> <p>In simpler words, the CoreIDRAW EPS code expects the last command of %%PageSetup to be "@sv", otherwise it won't work properly.</p> <p>I think we can improve our embedding code to add some workaround for the special case of CoreIDRAW EPS files.</p>			

Associated revisions

Revision 2619 - 04 Oct 2011 06:14 - Volker Grabsch

#790: Added workaround for EPS files generated by CoreIDRAW

History

#1 - 04 Oct 2011 06:16 - Volker Grabsch

- Status changed from *New* to *Resolved*
- % Done changed from 0 to 100

I fixed this issue and added some test EPS files generated by CoreIDRAW. ([r2619](#))

#2 - 03 May 2012 17:14 - Andreas Huggel

- Status changed from *Resolved* to *Closed*