

Exiv2 - Bug #586

ValueType<T> constructor makes assumptions of the endianness of the machine

10 Dec 2008 09:04 - Andreas Huggel

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 90%
Category: metadata	Estimated time: 0.00 hour
Target version: 0.18	
Description If I use the following code on Intel (little endian) machines: <pre>exifData["Exif.Image.XResolution"] = Exiv2::ShortValue(37);</pre> I get an expected resolution of 37 in the final image. However on PowerPC (big endian) the bytes are swapped and the resolution value is a lot bigger. Reported by Dimitri in http://uk.groups.yahoo.com/group/exiv2/message/1449 Additional information: The idea is that Exiv2 doesn't need to know the endianness of the machine in the first place - only that used in the TIFF data. This case violates this principle and makes an assumption for the endianness of the machine.	

History

#1 - 11 Dec 2008 10:53 - Dimitri Schoolwerth

Fixed by revision 1695, the above code now gives the same result on both little and big endian machines. There's no need anymore to always pass the native endianness as a parameter. Thanks!

#2 - 11 Dec 2008 19:55 - Andreas Huggel

[r1695](#)

This bug remains open pending the removal of the obsolete byteOrder argument after 0.18 is released.

#3 - 17 Dec 2008 09:06 - Andreas Huggel

- Target version set to 0.18

#4 - 17 Dec 2008 09:09 - Andreas Huggel

- Status changed from New to Resolved

#5 - 17 Dec 2008 09:11 - Andreas Huggel

- % Done changed from 0 to 100

#6 - 17 Dec 2008 10:44 - Andreas Huggel

- % Done changed from 100 to 90

#7 - 18 Dec 2008 18:29 - Andreas Huggel

- Status changed from Resolved to Closed