

Exiv2 - Bug #1021

Printing tags does not honor multi-byte label widths correctly

06 Jan 2015 14:07 - Thomas Schmidt

Status:	Closed	Start date:	06 Jan 2015
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	metadata	Estimated time:	1.00 hour
Target version:	0.25		

Description

Under a locale where labels contain multi-byte character the tag dump is not formatted correctly since std::setw does not handle the UTF-8 encoding of the labels.

Example:

```
-----  
$exiv2 SDC12345.JPG  
Dateiname      : SDC12345.JPG  
Dateigröße     : 2778887 Bytes  
MIME-Typ       : image/jpeg  
Bildgröße      : 4000 x 3000  
Kamerahersteller: SAMSUNG  
...  
-----
```

I suggest a simple patch to correct this.

Associated revisions

Revision 3539 - 08 Jan 2015 14:44 - Robin Mills

#1021. Thank You Thomas for reporting this and the patch.

Revision 3545 - 08 Jan 2015 19:19 - Robin Mills

#1021. Rollback r3939 because it broke the build on MSVC 2005. See <http://dev.exiv2.org/issues/1021> for discussion

History

#1 - 06 Jan 2015 15:23 - Robin Mills

- Category changed from *miscellaneous* to *metadata*
- Status changed from *New* to *Assigned*
- Assignee set to *Robin Mills*
- Priority changed from *Low* to *Normal*
- Target version set to *0.25*

#2 - 08 Jan 2015 14:46 - Robin Mills

- Status changed from *Assigned* to *Resolved*

Patch submitted r3539. Thanks for report this and for the patch.

This seems like an ingenious and simple fix. Being a native English speaker, I have no feel for i18n issues. If you're happy that this has been effective, then I am happy to accept your help!

#3 - 08 Jan 2015 19:20 - Robin Mills

Sadly, the fix broken the build on MSVC 2005.

```
35>C:\Program Files (x86)\Microsoft Visual Studio 8\VC\include\utility(35) : warning C4181: qualifier applied to reference type; ignored
35>   ..\..\src\actions.cpp(249) : see reference to class template instantiation 'std::pair<_Ty1,_Ty2>' being compiled
35>   with
35>   [
35>     _Ty1=const std::string &,
35>     _Ty2=unsigned int
35>   ]
35>C:\Program Files (x86)\Microsoft Visual Studio 8\VC\include\utility(35) : warning C4181: qualifier applied to reference type; ignored
35>C:\Program Files (x86)\Microsoft Visual Studio 8\VC\include\utility(35) : error C2529: '_Val1' : reference to reference is illegal
35>C:\Program Files (x86)\Microsoft Visual Studio 8\VC\include\utility(35) : fatal error C1903: unable to recover from previous error(s);
stopping compilation
```

I could add `#ifdef _MSC_VER ... #else #endif` and use the previous code on MSVC. However this would result in different output from MSVC builds and potentially break our test suite. For the moment, I'm going to rollback r3539.

#4 - 08 Jan 2015 19:34 - Robin Mills

- Status changed from Resolved to Assigned

#5 - 08 Jan 2015 19:35 - Robin Mills

r3545. Rollback submitted.

#6 - 09 Jan 2015 10:39 - Robin Mills

- Status changed from Assigned to Resolved

Patch submitted r3547 with change to function signature. Thanks to Thomas for private email about this. Together we get things fixed. $1+1=3$ in software. Sadly in management $1+1=-1$

#7 - 08 May 2015 16:33 - Robin Mills

- % Done changed from 0 to 100

#8 - 21 Jun 2015 16:39 - Andreas Huggel

- Status changed from Resolved to Closed

Files

honorMultiByteChar.diff	1.58 KB	06 Jan 2015	Thomas Schmidt
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