

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>' b  
eing 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 reco
ver 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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