

Exiv2 - Bug #552

Build failure under Mac OS X 10.3.9

06 Jun 2008 17:18 - marius -

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|---|----------------|------------------------|-----------|
| Status: | Closed | Start date: | |
| Priority: | Normal | Due date: | |
| Assignee: | Andreas Huggel | % Done: | 0% |
| Category: | build | Estimated time: | 0.00 hour |
| Target version: | 0.17.1 | | |
| Description | | | |
| The build fails with the following error: | | | |
| <pre>g++ -O2 -Wall -Wcast-align -Wpointer-arith -Wformat-security -Wmissing-format-attribute -Woverload ed-virtual -W -I. -I/usr/local/include -I/usr/local/include -DEXV_LOCALEDIR=\"/usr/local/share/loc ale\" -I../xmpsdk/include -c convert.cpp -fno-common -DPIC -o .libs/convert.o convert.cpp: In member function `void Exiv2::Converter::cnvXmpValueToIptc(const char*, const char*)': convert.cpp:1082: error: type specifier omitted for parameter convert.cpp:1082: error: parse error before numeric constant convert.cpp:1083: error: request for member `setValue' in `Exiv2::id(...)', which is of non-aggregate type `Exiv2::Iptcdatum () (...)' convert.cpp:1084: error: no matching function for call to `Exiv2::IptcData::add (Exiv2::Iptcdatum (&)(...))' iptc.hpp:242: error: candidates are: int Exiv2::IptcData::add(const Exiv2::IptcKey&, Exiv2::Value*) iptc.hpp:249: error: int Exiv2::IptcData::add(const Exiv2::Iptcdatum&) make[1]: * [convert.o] Error 1 make: * [all] Error 2</pre> | | | |
| Additional information: | | | |
| Build of version 0.14 was successful under this OS version. | | | |

History

#1 - 07 Jun 2008 02:35 - Andreas Huggel

Attachment rmconvert.patch is a quick workaround for the problem: it removes the convert functionality from the library. XMP sidecar files will only deal with XMP data in this patch applied.

#2 - 07 Jun 2008 02:43 - Andreas Huggel

Attachment firsttry.patch is an attempt to fix the problem. I have had a very similar error message here earlier (on Linux/g++-4.3) and it went away when I used a 0 pointer argument in the Iptcdatum constructor on line 1082. So if firsttry.patch doesn't help, please also try s/key/key, 0/ on that line.

But I still do not understand what the compiler is trying to do here and why it doesn't get the Iptcdatum and IptcKey constructors right.

#3 - 07 Jun 2008 04:44 - marius -

The firsttry.patch works, w/o the "key" replacement.

Thanks!

#4 - 07 Jun 2008 06:02 - Andreas Huggel

[r1496](#)

#5 - 08 Jun 2008 00:42 - Andreas Huggel

~993: Apparently, this is "C++'s most vexing parse":

http://groups.google.com/my/group/comp.lang.c++.moderated/browse_thread/thread/699886d18fd9fa7b/d6d236234c29ce9a

Files

| | | | |
|-----------------|-----------|-------------|---------------|
| rmconvert.patch | 1.3 KB | 07 Jun 2008 | Redmine Admin |
| firsttry.patch | 477 Bytes | 07 Jun 2008 | Redmine Admin |