

## Exiv2 - Bug #715

### -funsigned-char breaks build with Sun Studio

23 Jul 2010 17:15 - Pavel Heimlich

|  |             |                        |                    |
|--|-------------|------------------------|--------------------|
| <b>Status:</b>   | Closed      | <b>Start date:</b>     | 23 Jul 2010        |
| <b>Priority:</b>   | Normal      | <b>Due date:</b>       |                    |
| <b>Assignee:</b>   | Robin Mills | <b>% Done:</b>         | 100%               |
| <b>Category:</b>   | not-a-bug   | <b>Estimated time:</b> | 0.00 hour          |
| <b>Target version:</b>   | 0.26        |                        |                    |
| <b>Description</b>   |             |                        |                    |
| <p>exiv2 0.20 fails to build with</p> <p>...</p> <pre>gmake<sup>1</sup>: Entering directory `~/export/home/test/packages/BUILD/exiv2-0.20/i386/exiv2-0.20/xmpsdk/src' ~/usr/bin/CC -I/usr/include/stdcxx4/ansi -I/usr/include/stdcxx4 -library=no%Cstd -library=Crun -features=anachronisms,except,rtti,export,extensions,nestedaccess,tmplife,tmplrefstatic -instances=global -template=geninlinenums -s -xdebugformat=dwarf -xlang=c99 -xalias_level=compatible -xustr=ascii_utf16_ushort -Qoption ccfe -features=gcc -Qoption ccfe -features=zla -Qoption ccfe ++boolflag:sunwcch=false -mt -xF=%none -xbuiltin=%all -xinline=%auto -xprefetch=auto -xprefetch_auto_type=indirect_array_access -xprefetch_level=3 -xalias_level=compatible -KPIC -DPIC -xipo=0 -xO3 -xregs=no%frameptr -xjobs=2 -xrestrict=%all -xthreadvar=%all -z combrelc -z redlocsym -z nodefaultlib -z ignore -z now -z rescan -z absexec -xldscope=symbolic -xlibmil -s -xtarget=pentium4 -m32 -xarch=sse2 -xchip=pentium4 -xcache=8/64/4:256/128/8 -lc -lm -ldl -lpthread -lposix4 -lrt -mt -Y P,/opt/kde4/lib -i -L/opt/kde4/lib -R/opt/kde4/lib -L/usr/lib -R/usr/lib -Bdynamic -lstdcxx4 -lCrun -lc -lm -library=no%Cstd -xldscope=hidden -I. -D_REENTRANT -DNDEBUG -D__EXTENSIONS__ -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64 -D_POSIX_PTHREAD_SEMANTICS -DSOLARIS -DSOLARIS10 -DNO_DEBUG -D_UNICODE -DUNICODE -D_RWSTD_REENTRANT -D_XOPEN_SOURCE=500 -D_XPG5 -I/usr/include/stdcxx4/ansi -I/usr/include/stdcxx4 -I/opt/kde4/include -DEXV_LOCALEDIR="/opt/kde4/share/locale" -I../include -funsigned-char -DNDEBUG=1 -DEXV_HAVE_STDINT_H=1 -c XML_Node.cpp -KPIC -DPIC -o .libs/XML_Node.o CC: Warning: Option -funsigned-char passed to ld, if ld is invoked, ignored otherwise CC: Warning: Option -funsigned-char passed to ld, if ld is invoked, ignored otherwise ld: fatal: auxiliary filter option (-f, --auxiliary) is only available when building a shared object ld: fatal: file M: stat failed: No such file or directory</pre> <p>this is because sun studio uses -xchar=unsigned instead of -funsigned-char</p> <p>xmpsdk/src/Makefile should be modified to use one of the flags based on compiler, but I wasn't able to come up with a proper patch</p> |             |                        |                    |
| <b>Related issues:</b>   |             |                        |                    |
| Related to Exiv2 - Bug # 714: problem compiling with Sun Studio - visibility   |             | <b>Closed</b>          | <b>23 Jul 2010</b> |

## History

### #1 - 23 Jul 2010 17:31 - Pavel Heimlich

*ld: fatal: file M: stat failed: No such file or directory*

this one is because -MM (in config/config.mk.in) is not present on Sun Studio. The equivalent there is '-xM1'

### #2 - 25 Jul 2010 09:08 - Andreas Huggel

A quick workaround for the problem with -MM is to disable dependency tracking: add a --disable-dependency-tracking option to the ./configure call.

**#3 - 25 Jul 2010 09:17 - Andreas Huggel**

For the issue with -funsigned-char I prefer to fix the (Adobe XMP-SDK) code: change all char types to unsigned char, if that's feasible.

**#4 - 22 Aug 2015 15:45 - Robin Mills**

- *Category set to not-a-bug*
- *Status changed from New to Closed*
- *Assignee set to Robin Mills*
- *Target version set to 0.26*

This is an unsupported compiler. Please see the comments in #710 concerning compiler and platform support.

**#5 - 22 Aug 2015 16:10 - Robin Mills**

- *% Done changed from 0 to 100*