

Exiv2 - Bug #710

Problems Compiling Exiv2 Under SGI IRIX

29 Jun 2010 06:10 - Brent L. Bates

Status:	Closed	Start date:	29 Jun 2010
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	build	Estimated time:	0.00 hour
Target version:	0.26		

Description

I've downloaded Exiv2-0.20 and have been trying to compile it for the past several days. I've got a C++ compiler that has very strict ANSI compliance and this has been giving me problems compiling the source. I've worked around a number of problems, but my C++ is very rusty, and I've finally hit a road block that I can't get around. I thought maybe this group could help. For brevity, at the moment I'll only post the problem I can't get around. Here are the errors I don't know how to fix. Any help would be greatly appreciated. Thanks.

```
----- src/basicio.cpp -----
/usr/bin/CC -DEFAULT:abi=n32:isa=mips4:proc=r10k -n32 -mips4 -LANG:std -I/usr/local/include -I/usr
/local/include/openssl -O3
-OPT:Olimit=0 -TARG:processor=r10000:platform=ip28 -I. -I/usr/local/include -I/usr/local/include/o
penssl -I/usr/local/include
"-DEXV_LOCALEDIR=\"/usr/local/share/locale\" -I../xmpsdk/include -c -DEXV_BUILDING_LIB=1 -DPIC ba
sicio.cpp -o .libs/basicio.o
cc-3234 CC: ERROR File = error.cpp, Line = 120
    Explicit specialization of function "Exiv2::BasicError<char>::setMsg" must
        precede its first use.

void BasicError<char>::setMsg()
    ^
cc-1166 CC: ERROR File = error.cpp, Line = 142
    Expected a declaration.

if (pos != std::string::npos) {
    ^
cc-1012 CC: WARNING File = error.cpp, Line = 145
    Parsing restarts here after previous syntax error.
}
    ^
cc-1077 CC: ERROR File = error.cpp, Line = 146
The indicated declaration has no storage class or type specifier.

msg_ = msg;
    ^
cc-1020 CC: ERROR File = error.cpp, Line = 146
The identifier "msg" is undefined.

msg_ = msg;
    ^
cc-1166 CC: ERROR File = error.cpp, Line = 150
Expected a declaration.

}
    ^
cc-1012 CC: WARNING at end of source
```

Parsing restarts here after previous syntax error.

cc-1174 CC: WARNING File = basicio.cpp, Line = 31
The variable "rcsId" was declared but never referenced.

```
static const char* rcsId = "@(#) $Id: basicio.cpp 2045 2010-04-03 07:53:30Z ahuggel $";  
      ^
```

cc-1174 CC: WARNING File = error.cpp, Line = 45
The function "<unnamed>::ErrMsg::operator==" was declared but never referenced.

```
bool operator==(int code) const { return code_ == code; }  
      ^
```

cc-1174 CC: WARNING File = error.cpp, Line = 52
The variable "<unnamed>::errList" was declared but never referenced.

```
const ErrMsg errList[] = {  
-----
```

If you have any questions or need more information, please let me know.
I'd really like to start using this software now. Thanks.

Related issues:

Related to Exiv2 - Feature #538: Run-time features must be separated from bui...	Closed	
Related to Exiv2 - Bug #714: problem compiling with Sun Studio - visibility	Closed	23 Jul 2010

History

#1 - 22 Jul 2010 21:40 - Andreas Huggel

- Target version deleted (0.20)

#2 - 22 Aug 2015 09:31 - Robin Mills

- Status changed from New to Closed
- Assignee set to Robin Mills
- Priority changed from Urgent to Normal
- Target version set to 0.26

We don't support this compiler because I don't have access to such a system. We support GCC, Clang and MSVC. Tooling up to support another compiler is a considerable undertaking. We have a build server which builds and tests trunk (and selected branches) when code is submitted. Supporting additional build systems requires continuous access to the platform.

While it desirable that Exiv2 builds and runs perfectly on any compiler and platform, that goal cannot be reached because implementations of C++ are so variable.

#3 - 22 Aug 2015 16:10 - Robin Mills

- % Done changed from 0 to 100