

## Exiv2 - Patch #688

### src/futils.cpp: incorrect check for linux version of strerror\_r

04 Mar 2010 08:22 - Nikolai Saoukh

<b>Status:</b>	Closed	<b>Start date:</b>	04 Mar 2010
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Gilles Caulier	<b>% Done:</b>	100%
<b>Category:</b>	build	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.24		
<b>Description</b>			
&& should be instead			
<b>Related issues:</b>			
Related to Exiv2 - Bug #692: Revision 2057 broke compilation under FreeBSD an...		<b>Closed</b>	<b>10 Apr 2010</b>
Related to Exiv2 - Feature #536: Switch to a unified build system based on cmake		<b>Closed</b>	
Related to Exiv2 - Bug #697: config/ConfigureChecks.cmake: STRERROR_R_CHAR_P ...		<b>Closed</b>	<b>20 Apr 2010</b>

### Associated revisions

#### Revision 2041 - 02 Apr 2010 22:41 - Andreas Huggel

#688: Stronger check for return type of strerror\_r. (Nikolai Saoukh)

#### Revision 2076 - 14 Apr 2010 01:09 - Gilles Caulier

apply patch from BUG #688

### History

#### #1 - 05 Mar 2010 01:33 - Andreas Huggel

Can you elaborate why that should be changed?

According to the autoconf doc, STRERROR\_R\_CHAR\_P may be set on 'many systems (including, for example, version 2.2.4 of the GNU C Library)' and the \_GNU\_SOURCE is needed according to the Debian bug referenced in the source code.

What exactly is the problem you're seeing with the current code?

#### #2 - 05 Mar 2010 12:30 - Nikolai Saoukh

I think there is a need for little bit different test (in cmake file) for STRERROR\_R\_CHAR\_P.

What about this one

--- cut here ---

```
#include <string.h>
```

```
int
dfunc() {
char    cb12;
return *(strerror_r(1, cb, sizeof(cb))) == '\0';
}
```

--- cut here ---

#### #3 - 06 Mar 2010 08:14 - Nikolai Saoukh

Reading debian bug info I got impression that \_GNU\_SOURCE is always defined for g++ (not plain gcc) case. I guess the check "|| defined \_GNU\_SOURCE" should be removed at all.

#### #4 - 08 Mar 2010 20:46 - Nikolai Saoukh

- File strchar.patch added

Well,  
attached is better ;- ) patch. It has better/stronger check for return type of strerror\_r, check done with proper compiler. There is no need for defined(\_GNU\_SOURCE).

#### #5 - 02 Apr 2010 22:44 - Andreas Huggel

- Category set to build

- Status changed from New to Resolved
- Target version set to 0.20
- % Done changed from 0 to 100

Checked in the change to the cmake config file (without spending too much time trying to understand it). Thanks.  
Haven't checked in the change to the source file though. The official build system is still autoconf and that wasn't modified. Further, I still don't see how that define is a problem.

**#6 - 02 Apr 2010 23:09 - Andreas Huggel**

- Target version deleted (0.20)

**#7 - 13 Apr 2010 23:25 - Nikolai Saoukh**

An `_GNU_SOURCE` check in `src/futils.cpp` is still the obstacle for compilation. Can someone sched the light for `futils.cpp` patch rejection?

**#8 - 14 Apr 2010 01:10 - Gilles Caulier**

Nikolai Saoukh wrote:

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Yes, your patch compile under Linux and GCC.

I will check Mingw and MSVC under Windows

Gilles Caulier

**#9 - 14 Apr 2010 01:16 - Gilles Caulier**

Gilles Caulier wrote:

Nikolai Saoukh wrote:

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Yes, your patch compile under Linux and GCC.

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Gilles Caulier

All compile fine under MSVC and Mingw for Windows

Patch about `_GNU_SOURCE` is applied to svn trunk...

Gilles Caulier

**#10 - 24 Jul 2013 15:34 - Robin Mills**

- Status changed from Resolved to Closed
- Assignee set to Gilles Caulier
- Target version set to 0.24

Fixed in 0.24.

**Files**

---

futils.patch	478 Bytes	04 Mar 2010	Nikolai Saoukh
strchar.patch	1.09 KB	08 Mar 2010	Nikolai Saoukh