

## Ruby master - Bug #5675

### [mingw] static build fails due to socket extension build failure

11/27/2011 04:36 AM - jonforums (Jon Forums)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Target version:</b>	1.9.3	
<b>ruby -v:</b>	-	<b>Backport:</b>
<b>Description</b>		
<p>I get the following failure on my Win7 32bit system while trying to build ruby_1_9_3@33661 The problem likely exists on trunk@33852 but <a href="#">#5674</a> blocks me from trying to replicate.</p> <p>Providing --with-out-ext=socket to ./configure is a one (undesirable) workaround. No failure when building on Arch.</p> <pre>C:\Users\Jon\Documents\RubyDev\ruby-git\build&gt;sh -c ".\configure --disable-shared --disable-install-doc &amp;&amp; make" ... make[2]: Entering directory /c/Users/Jon/Documents/RubyDev/ruby-git/build/ext/socket' generating socket-i386-mingw32.def generating constant definitions compiling ../../ext/socket/init.c compiling ../../ext/socket/constants.c compiling ../../ext/socket/basicsocket.c compiling ../../ext/socket/socket.c ../../ext/socket/socket.c: In function 'rsock_sock_s_socketpair': ../../ext/socket/socket.c:114:5: warning: implicit declaration of function 'socketpair' compiling ../../ext/socket/ipsocket.c compiling ../../ext/socket/tcpsocket.c compiling ../../ext/socket/tcpserver.c compiling ../../ext/socket/sockssocket.c compiling ../../ext/socket/udpsocket.c compiling ../../ext/socket/unixsocket.c compiling ../../ext/socket/unixserver.c compiling ../../ext/socket/option.c compiling ../../ext/socket/ancdata.c compiling ../../ext/socket/raddrinfo.c linking shared-object socket.so socket.o: In function rsock_sock_s_socketpair': c:\Users\Jon\Documents\RubyDev\ruby-git\build\ext\socket\../../ext/socket/socket.c:114: undefined reference to socketpair' c:\Users\Jon\Documents\RubyDev\ruby-git\build\ext\socket\../../ext/socket/socket.c:117: undefined reference to socketpair' collect2: ld returned 1 exit status make[2]: *** [../../ext/i386-mingw32/socket.so] Error 1 make[2]: Leaving directory /c/Users/Jon/Documents/RubyDev/ruby-git/build/ext/socket' make[1]: *** [ext/socket/all] Error 2 make[1]: Leaving directory /c/Users/Jon/Documents/RubyDev/ruby-git/build' make: *** [build-ext] Error 2</pre>		

#### Associated revisions

##### Revision 1510ad86 - 11/28/2011 01:36 AM - nobu (Nobuyoshi Nakada)

- include/ruby/subst.h: moved Windows specific substitutions from win32.h.
- ext/socket/rubysocket.h: include ruby/subst.h. [Bug #5675]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33876 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 33876 - 11/28/2011 01:36 AM - nobu (Nobuyoshi Nakada)

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**Revision b0381723 - 11/28/2011 03:15 AM - nobu (Nobuyoshi Nakada)**

- win32/mkexports.rb (Exports#read\_substitution): need to read from subst.h too. [Bug #5675]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33879 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 33879 - 11/28/2011 03:15 AM - nobu (Nobuyoshi Nakada)**

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**Revision 1dea1927 - 12/05/2011 05:29 AM - usa (Usaku NAKAMURA)**

- include/ruby/{subst.h,win32.h}, ext/socket/rubysocket.h: revert r33876. [ruby-core:41475] [Bug #5706]
- ext/socket/extconf.rb: the alternative hack for [Bug #5675].

**Revision 33947 - 12/05/2011 05:29 AM - usa (Usaku NAKAMURA)**

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## History

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### #1 - 11/27/2011 04:23 PM - kosaki (Motohiro KOSAKI)

- ruby -v changed from ruby 1.9.3p0 (2011-11-08 revision 33661) [i386-mingw32] to -

```
compiling ../../ext/socket/socket.c
../../ext/socket/socket.c: In function 'rsock_sock_s_socketpair':
../../ext/socket/socket.c:114:5: warning: implicit declaration of function 'socketpair'
```

This warning shouldn't be happen. But I'm wondering it because many people did success mingw32 build. Hmm..

Luis, do you have any opinion? (note: this is head of ruby\_1\_9\_3 branch).

### #2 - 11/27/2011 06:44 PM - phasis68 (Heesob Park)

Configuring with --disable-shared option caused failure on mingw32 build.

As a workaround, inserting following 4 lines at line #12 of socket.c solves the problem.

```
#ifdef _WIN32
#undef socketpair
#define socketpair(a, t, p, s) rb_w32_socketpair(a, t, p, s)
#endif
```

### #3 - 11/27/2011 11:53 PM - luislavena (Luis Lavena)

On Sun, Nov 27, 2011 at 4:11 AM, KOSAKI Motohiro  
[kosaki.motohiro@gmail.com](mailto:kosaki.motohiro@gmail.com) wrote:

This warning shouldn't be happen. But I'm wondering it because many people did success mingw32 build. Hmm..

Build with --enable-shared does work, but doesn't work when build with --disable-shared.

I think Heesob's patch does the trick, will test in a little bit.

--  
Luis Lavena  
AREA 17  
-

Perfection in design is achieved not when there is nothing more to add, but rather when there is nothing more to take away.  
Antoine de Saint-Exupéry

### #4 - 11/28/2011 12:53 AM - kosaki (Motohiro KOSAKI)

2011/11/27 Luis Lavena [luislavena@gmail.com](mailto:luislavena@gmail.com):

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[kosaki.motohiro@gmail.com](mailto:kosaki.motohiro@gmail.com) wrote:

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Build with --enable-shared does work, but doesn't work when build with --disable-shared.

I think Heesob's patch does the trick, will test in a little bit.

Why doesn't socket.c include "ruby/win32.h"? I apologize if I ask dumb question.

### #5 - 11/28/2011 12:53 AM - luislavena (Luis Lavena)

On Sun, Nov 27, 2011 at 12:41 PM, KOSAKI Motohiro  
[kosaki.motohiro@gmail.com](mailto:kosaki.motohiro@gmail.com) wrote:

Why doesn't socket.c include "ruby/win32.h"? Å I apologize if I ask dumb question.

Not a dumb question, a very valid one...

ruby.h includes ruby/ruby.h  
ruby/ruby.h includes ruby/defines.h  
ruby/defines.h does include ruby/win32.h

socket.c is including rubysocket.h which includes ruby/ruby.h, so it should be resolving properly, right?

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#### #6 - 11/28/2011 01:53 AM - kosaki (Motohiro KOSAKI)

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ruby/ruby.h includes ruby/defines.h  
ruby/defines.h does include ruby/win32.h

socket.c is including rubysocket.h which includes ruby/ruby.h, so it should be resolving properly, right?

I thought so. But I can't think Jon told lie....

#### #7 - 11/28/2011 10:36 AM - nobu (Nobuyoshi Nakada)

- *Status changed from Open to Closed*

- *% Done changed from 0 to 100*

This issue was solved with changeset r33876.  
Jon, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

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  - ext/socket/rubysocket.h: include ruby/subst.h. [Bug [#5675](#)]