

Ruby trunk - Bug #3637

win32ole: Remove definition of NONAMELESSUNION in MinGW

08/01/2010 07:18 AM - luislavena (Luis Lavena)

Status: Closed	
Priority: Normal	
Assignee:	
Target version: 2.0.0	
ruby -v: ruby 1.9.3dev (2010-07-31 trunk 28808) [i386-mingw32]	Backport:
Description =begin Hello, I'm working in cross compiling Ruby to Windows (GCC) using modern GCC versions, provided by mingw-w64 team targeting 32bits mode. In this work, I found win32ole tries to define access to members of nameless union. According to mingw-w64 developers, these hacks access were needed with older versions of GCC (prior 3.4) but nowadays are no longer required. Looking at the source of these changes, dates 2002 (!) which is way before GCC 3.4 The following patch removes the definition of NONAMELESSUNION under MinGW and allows correct compilation under GCC 3.4.5, GCC 4.5.0 and cross-compilation under GCC 4.5.1 (experimental) diff --git a/ext/win32ole/extconf.rb b/ext/win32ole/extconf.rb index b4f09fc..d566be2 100644 --- a/ext/win32ole/extconf.rb +++ b/ext/win32ole/extconf.rb @@ -38,7 +38,7 @@ end case RUBY_PLATFORM when /mswin/ \$CFLAGS += ' /W3' -when /cygwin/, /mingw/ +when /cygwin/ \$defs << '-DNONAMELESSUNION' end create_win32ole_makefile mingw-w64 developers suggest a check for GCC version instead of NONAMELESSUNION definition. I believe this also should be backported to 1.9.2, 1.9.1 and 1.8 branches. Thank you. =end	

Associated revisions

Revision d4fc0799b7cc9fbb7af1bcc6580e1e3091dd087b - 08/02/2010 12:21 PM - suke (Masaki Suketa)

- ext/win32ole/win32ole.c: NONAMELESSUNION defined only if gcc version is older than 3.4.4. [ruby-core:31567] [Bug #3637]
- ext/win32ole/extconf.rb: ditto.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@28835 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d4fc0799 - 08/02/2010 12:21 PM - suke (Masaki Suketa)

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- ext/win32ole/extconf.rb: ditto.

Revision 28b376e76b39492e2cb6c74eddab8c53ec8bd89f - 08/08/2010 03:01 PM - yugui (Yuki Sonoda)

merges r28835 from trunk into ruby_1_9_2.

- ext/win32ole/win32ole.c: NONAMELESSUNION defined only if gcc version is older than 3.4.4. [ruby-core:31567] [Bug #3637]
- ext/win32ole/extconf.rb: ditto.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_2@28927 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 28b376e7 - 08/08/2010 03:01 PM - yugui (Yuki Sonoda)

merges r28835 from trunk into ruby_1_9_2.

- ext/win32ole/win32ole.c: NONAMELESSUNION defined only if gcc version is older than 3.4.4. [ruby-core:31567] [Bug #3637]
- ext/win32ole/extconf.rb: ditto.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_2@28927 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision aaed0594 - 11/22/2010 05:15 AM - shyouhei (Shyouhei Urabe)

merge revision(s) 28835,28894:

- * ext/win32ole/win32ole.c: NONAMELESSUNION defined only if gcc version is older than 3.4.4. [ruby-core:31567] [Bug #3637]
- * ext/win32ole/extconf.rb: ditto.
- * ext/win32ole/win32ole.c: fix checking version of GCC.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_8@29849 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 16b5c5e9 - 11/22/2010 07:22 AM - shyouhei (Shyouhei Urabe)

Mon, 22 Nov 2010 05:15:39 +0000 shyouhei shyouhei@b2dd03c8-39d4-4d8f-98ff-823fe69b080e
merge revision(s) 29849:

merge revision(s) 28835,28894:

- * ext/win32ole/win32ole.c: NONAMELESSUNION defined only if gcc version is older than 3.4.4. [ruby-core:31567] [Bug #3637]

* ext/win32ole/extconf.rb: ditto.
* ext/win32ole/win32ole.c: fix checking version of GCC.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_8@29849 b2dd03c8-39d4-4d8f-98ff-823fe69b080e
Signed-off-by: URABE, Shyouhei shyouhei@ruby-lang.org

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_8_7@29867 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 08/01/2010 07:34 AM - luislavena (Luis Lavena)

=begin
Forgot to mention that with NONAMELESSUNION defined produces the following error:

<http://gist.github.com/499840>

```
ext/win32ole/win32ole.c: In function 'ole_const_load':  
ext/win32ole/win32ole.c:2504:39: error: 'VARDESC' has no member named 'u'  
ext/win32ole/win32ole.c: In function 'ole_usertype2val':  
ext/win32ole/win32ole.c:4541:44: error: 'TYPEDESC' has no member named 'u'  
ext/win32ole/win32ole.c: In function 'ole_ptrtype2val':  
ext/win32ole/win32ole.c:4564:13: error: 'TYPEDESC' has no member named 'u'  
ext/win32ole/win32ole.c: In function 'ole_variable_value':  
ext/win32ole/win32ole.c:6297:31: error: 'VARDESC' has no member named 'u'  
ext/win32ole/win32ole.c: In function 'ole_param_flag_mask':  
ext/win32ole/win32ole.c:7373:9: error: 'ELEMDESC' has no member named 'u'  
ext/win32ole/win32ole.c: In function 'ole_param_default':  
ext/win32ole/win32ole.c:7475:19: error: 'ELEMDESC' has no member named 'u'  
ext/win32ole/win32ole.c:7477:25: error: 'ELEMDESC' has no member named 'u'
```

Since *DESC structures do not define the union in any way.
=end

#2 - 08/02/2010 09:27 PM - suke (Masaki Suketa)

- Status changed from Open to Closed

- % Done changed from 0 to 100

=begin
This issue was solved with changeset [r28835](#).
Luis, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end

#3 - 08/03/2010 03:24 AM - luislavena (Luis Lavena)

=begin
Can this be backported to ruby_1_9_2 too? Thank you.
=end

#4 - 08/06/2010 07:44 PM - mame (Yusuke Endoh)

- Status changed from Closed to Open

=begin
Hi,

I was going to backport [r28835](#), but I'm now afraid if it looks like slightly wrong.

```
#if (defined(GNUC)) && (GNUC <= 3) && (GNUC_MINOR <= 4) && (GNUC_PATCHLEVEL <= 4)
```

This condition will be false when GCC version is 2.95.3, 3.3.5 or 3.3.6. Is it ok?

--
Yusuke Endoh mame@tsg.ne.jp
=end

#5 - 08/06/2010 11:42 PM - luislavena (Luis Lavena)

=begin
Hello Yusuke,

Indeed, my patch was more naive and just removed /mingw/ from the extension compilation process mainly since oldest MinGW available is 3.4.5.

Masaki committed this change. The inverse logic will not work with 4.5.0, 4.5.1 or 4.6.0.

=end

#6 - 08/07/2010 09:58 AM - akr (Akira Tanaka)

=begin
2010/8/6 Yusuke Endoh redmine@ruby-lang.org:

I was going to backport [r28835](#), but I'm now afraid if it looks like slightly wrong.

```
#if (defined(GNUC)) && (GNUC <= 3) && (GNUC_MINOR <= 4) && (GNUC_PATCHLEVEL <= 4)
```

This condition will be false when GCC version is 2.95.3, 3.3.5 or 3.3.6. Is it ok?

I recommend something like the macro GCC_VERSION_SINCE in pack.c.

--

Tanaka Akira

=end

#7 - 08/07/2010 10:19 AM - suke (Masaki Suketa)

=begin
Hello,

On Fri, Aug 06, 2010 at 11:42:19PM +0900, Luis Lavena wrote:

Indeed, my patch was more naive and just removed /mingw/ from the extension compilation process mainly since oldest MinGW available is 3.4.5.

Masaki committed this change. The inverse logic will not work with 4.5.0, 4.5.1 or 4.6.0.

Sorry, I re-committed the version check logic of gcc.
(trunk revision 28894)

I tested mingw gcc 3.4.5 and cygwin gcc 3.4.4 and cygwin gcc 4.3.4.

Regards,
Masaki Suketa

=end

#8 - 08/27/2010 01:45 PM - shyouhei (Shyouhei Urabe)

- *Status changed from Open to Closed*

=begin

=end