Ruby master - Bug #3015
NetBSD vs test/dl
03/26/2010 11:49 AM - skandragon (Michael Graff)

Status: Closed
Priority: Normal
Assignee: tenderlovemaking (Aaron Patterson)
Target version: 2.0.0
Backport:
ruby -v:
ruby 1.9.2dev (2010-03-26 trunk 27055)[i386-netbsdelf5.0.0]

Description
=begin
There are probably related problems with the mentioned tests, or the code they are testing, on NetBSD 5.0.2.

I have not yet investigated the cause of these.

1) Error:
test_to_ptr_io(DL::TestCPtr):
RangeError: bignum too big to convert into long'
/u1/home/explorer/proj/ruby/test/dl/test_cptr.rb:84:incall'
/u1/home/explorer/proj/ruby/test/dl/test_cptr.rb:84:in block in test_to_ptr_io'
/u1/home/explorer/proj/ruby/test/dl/test_cptr.rb:81:inopen'
/u1/home/explorer/proj/ruby/test/dl/test_cptr.rb:81:in `test_to_ptr_io'

2) Error:
test_callback(DL::TestDL):
RangeError: bignum too big to convert into long'
/u1/home/explorer/proj/ruby/test/dl/test_dl2.rb:143:incall'
/u1/home/explorer/proj/ruby/test/dl/test_dl2.rb:143:in `test_callback'

3) Error:
test_strcpy(DL::TestDL):
RangeError: bignum too big to convert into long'
/u1/home/explorer/proj/ruby/test/dl/test_dl2.rb:134:incall'
/u1/home/explorer/proj/ruby/test/dl/test_dl2.rb:134:in `test_strcpy'

4) Error:
test_static_sym(DL::TestHandle):
DL::DLError: unknown symbol "dlopen"
/u1/home/explorer/proj/ruby/test/dl/test_handle.rb:26:in sym'
/u1/home/explorer/proj/ruby/test/dl/test_handle.rb:26:intest_static_sym'
=end

History
#1 - 03/26/2010 12:20 PM - tenderlovemaking (Aaron Patterson)
- Category set to ext
- Assignee set to tenderlovemaking (Aaron Patterson)
- Target version set to 1.9.2

=begin
=end

#2 - 09/19/2021 03:04 PM - skandragon (Michael Graff)
=begin
On 3/25/10 8:22 PM, Aaron Patterson wrote:

Most likely this will be fixed when I get the dl/ffi underpinnings
merged to trunk. In the mean time, could you try against my ruby fork
that has ffi integrated?
Certainly! I do not know what ffi is, or how it will help me, but I will shortly :)

Cloning now.

--Michael

#3 - 03/26/2010 04:18 PM - skandragon (Michael Graff)

On 3/25/10 8:22 PM, Aaron Patterson wrote:

Most likely this will be fixed when I get the dl/ffi underpinnings merged to trunk. In the mean time, could you try against my ruby fork that has ffi integrated?

Trying that gives a different set of errors mostly:

1) Error:
   test_to_ptr_io(DL::TestCPtr):
   RangeError: bignum too big to convert into long'
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_cptr.rb:84:incall'
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_cptr.rb:84:in block in test_to_ptr_io'
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_cptr.rb:81:in open'
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_cptr.rb:81:in `test_to_ptr_io'

2) Error:
   test_NEXT(DL::TestHandle):
   DL::DLError: unknown symbol "malloc"
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_handle.rb:128:in []'
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_handle.rb:128:in test_NEXT'

3) Error:
   test_static_sym(DL::TestHandle):
   DL::DLError: unknown symbol "dlopen"
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_handle.rb:25:in sym'
   /u1/home/explorer/proj/ruby-ffi/ruby/test/dl/test_handle.rb:25:in test_static_sym'

I'm willing to give out a NetBSD account to you if that helps :) 

--Michael

#4 - 03/27/2010 12:37 AM - skandragon (Michael Graff)

On 3/26/10 8:16 AM, Aaron Patterson wrote:

Are you on 32bit or 64bit? I'll try installing a virtual machine.

That machine is i386, so 32-bit. I have another VM there I can spin up (and would have to update to latest code) that is 64 too.

sizeof(long) is certainly going to be 32-bit. Most of NetBSD system calls are 64-bit for file offsets and the like, however. I'm not certain if that matters much. Pointers are certainly 32-bit here.

I'm willing to give out a NetBSD account to you if that helps :) 

If I can't get my virtual machine running, I'll take you up on that offer. Thanks!
I have production-like machines that run NetBSD-5.0.x/i386 (32-bit) and have VMs that run:

NetBSD-5.0.x/i386
NetBSD-5.0.x/amd64
NetBSD-current/i386
NetBSD-current/amd64

In general I don't mind sharing these with you if that will help make NetBSD more supported. If there is some sort of automated build/test environment I could run and contribute feedback to, I would set that up as well on all four VMs.

My goal is to get NetBSD to be a first-class Ruby citizen. :)

--Michael

#5 - 04/06/2010 07:12 PM - skandragon (Michael Graff)

=begin
Has any progress been made on this that I can test?
=end

#6 - 05/18/2010 09:05 PM - mame (Yusuke Endoh)

- Priority changed from Normal to 3
- Target version changed from 1.9.2 to 2.0.0

=begin
I set this ticket to Low priority because there is no maintainer for NetBSD. A patch is welcome.

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

#7 - 05/26/2010 08:58 PM - naruse (Yui NARUSE)

- Status changed from Open to Closed

=begin
Fixed by r27890 and r27891, this also backported to 1.9.2.
=end