Writeable pipe and timeout tests are failing (MinGW)

11/22/2012 05:47 AM - luislavena (Luis Lavena)

Status: Closed
Priority: Normal
Assignee: nobu (Nobuyoshi Nakada)
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2012-11-22 trunk 37790) [i386-mingw32]

Description

=begin
The tests added in r37785, associated with Feature #4646 might require a guard against Windows because are failing in the Windows CI:

http://ci.rubyinstaller.org/job/ruby-trunk-x64-test-all/246/console
http://ci.rubyinstaller.org/job/ruby-trunk-x86-test-all/346/console

1) Error:
test_wait_writable_EPIPE(TestIOWait):
Errno::EWOULDBLOCK: A non-blocking socket operation could not be completed immediately. - write would block
C:/Users/Luis/Code/ruby/ruby/test/io/wait/test_io_wait.rb:103:in write_nonblock'
C:/Users/Luis/Code/ruby/ruby/test/io/wait/test_io_wait.rb:103:infill_pipe'
C:/Users/Luis/Code/ruby/ruby/test/io/wait/test_io_wait.rb:87:in `test_wait_writable_EPIPE'

2) Error:
test_wait_writable_timeout(TestIOWait):
Errno::EWOULDBLOCK: A non-blocking socket operation could not be completed immediately. - write would block
C:/Users/Luis/Code/ruby/ruby/test/io/wait/test_io_wait.rb:103:in write_nonblock'
C:/Users/Luis/Code/ruby/ruby/test/io/wait/test_io_wait.rb:103:infill_pipe'
C:/Users/Luis/Code/ruby/ruby/test/io/wait/test_io_wait.rb:80:in `test_wait_writable_timeout'
=end

Associated revisions

Revision 2f80fdda - 11/29/2012 08:11 AM - nobu (Nobuyoshi Nakada)
test/io/wait.rb: Bug #7420
test/io/wait/test_io_wait.rb (TestIOWait#fill_pipe): Errno::EWOULDBLOCK may not be the same as Errno::EAGAIN. patch by phasis68 (Heesob Park) at [ruby-core:49894]. [Bug #7420]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@37984 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 37984 - 11/29/2012 08:11 AM - nobu (Nobuyoshi Nakada)
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History

#1 - 11/23/2012 11:54 AM - phasis68 (Heesob Park)
As I know, Errno::EWOULDBLOCK is not the same as Errno::EAGAIN on Windows.

Here is a patch:

diff --git a/test_io_wait.rb b/test_io_wait.rb.new
index 676809c..c322efd 100644
--- a/test_io_wait.rb
+++ b/test_io_wait.rb.new
@@ -101,7 +101,7 @@ private
   buf = " " * 4096
   begin
     written += @w.write_nonblock(buf)
-      rescue Errno::EAGAIN
+      rescue Errno::EAGAIN,Errno::EWOULDBLOCK
         return written
   end while true end

#2 - 11/23/2012 07:28 PM - nobu (Nobuyoshi Nakada)
Thank you for the pointing out.

Since SystemCallError.=== matches by the errno values, so it works on platforms where they are just aliases, but EAGAIN and EWOULDBLOCK were actually different on Windows.
Should Errno::EAGAIN match an instance of Errno::EWOULDBLOCK on every platforms where those are defined?

#3 - 11/29/2012 05:11 PM - nobu (Nobuyoshi Nakada)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r37984.
Luis, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.