IO.read_nonblock on IO.pipe generates Errno::EBADF (MinGW)

02/01/2012 08:31 AM - luislavena (Luis Lavena)

Status: Rejected
Priority: Normal
Assignee: usa (Usaku NAKAMURA)
Target version: 3.0
ruby -v: 1.9.3-p0 i386-mingw32 and 2.0.0dev

Description
=begin
Originally posted in [ruby-core:42103]:

The following example seems not to work under Windows:

```
r, w = IO.pipe
w.write "awesome" * 10
puts r.read_nonblock(8)
r.close
w.close
```

C:\Users\Luis>ruby -v t.rb
ruby 1.9.3p0 (2011-10-30) [i386-mingw32]
t.rb:5:in read_nonblock': Bad file descriptor (Errno::EBADF)
from t.rb:5:in'

What is not clear is that using StringIO works:

```
require "stringio"
b = StringIO.new
b.write "awesome" * 10
b.rewind
puts b.read_nonblock(8)
b.close
```

C:\Users\Luis>ruby -v t2.rb
ruby 1.9.3p0 (2011-10-30) [i386-mingw32]
awesomea

Perhaps pipes are not open properly? Is this supported under Windows?
=end

History
#1 - 03/18/2012 06:46 PM - shyouhei (Shyouhei Urabe)
- Status changed from Open to Assigned

#2 - 07/27/2012 04:50 PM - usa (Usaku NAKAMURA)
- Target version changed from 1.9.3 to 3.0

#3 - 08/07/2012 04:12 PM - nobu (Nobuyoshi Nakada)
- Description updated
Hello usa, nobu.

I've hit this issue with several project again.

Can you confirm or reject if this failure is intended or a bug? That way I can decide jump into the code or not (as IO is not my strongest field)

Thank you.

It's natural.

Windows doesn't support non-blocking mode on other than sockets.

Thank you nobu, this is a platform limitation then.