### Ruby master - Bug #12230

Wrong exception raised when IO.read from a pipe is passed an offset on Windows

03/30/2016 09:04 AM - vais (Vais Salikhov)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
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<td>Target version:</td>
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<tr>
<td>ruby -v:</td>
<td>ruby 2.2.4p230 (2015-12-16 revision 53155) [i386-mingw32]</td>
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<tr>
<td>Backport:</td>
<td>2.4: REQUIRED, 2.5: REQUIRED, 2.6: REQUIRED</td>
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### Description

When IO.read from a pipe is passed an offset, the expected exception is Errno::ESPIPE, but on Windows Invalid argument (Errno::EINVAL) is raised instead:

```bash
C:\Users\Administrator\Desktop>C:\Ruby\ruby-2.2.4-i386-mingw32\bin\ruby.exe -ve "p IO.read('|cmd.exe /C echo hello', 1, 1)"
```

```bash
ruby 2.2.4p230 (2015-12-16 revision 53155) [i386-mingw32]
The process tried to write to a nonexistent pipe.
-e:1:in `read': Invalid argument (Errno::EINVAL)
  from -e:1:in `<main>'
```

### Related issues:

Related to Ruby master - Bug #15199: scanf.rb broken with io from IO.pipe (Mi...

Closed

### Associated revisions

**Revision 0a63c4d5 - 07/24/2019 09:39 PM - nobu (Nobuyoshi Nakada)**

Fix errno at seeking socket/pipe on Windows

[Bug #12230]

**Revision 22834112 - 08/26/2019 10:59 PM - nobu (Nobuyoshi Nakada)**

Added license comment [Bug #12230] [ci skip]

### History

**#1 - 07/24/2019 06:46 PM - jeremyevans0 (Jeremy Evans)**

- File win32-seek-espipe.patch added

I think we should fix this to make the behavior on Windows consistent with other operating systems. Attached is a patch that attempts to do so. I'm not sure if the approach the patch takes is the best way to fix this. I also don't have a compilation environment on Windows, so a committer that does should probably check that the patch works.

**#2 - 07/24/2019 09:41 PM - nobu (Nobuyoshi Nakada)**

- Status changed from Open to Closed

Applied in changeset git|0a63c4d5fbbbfae9aba92c78e39b1521b90f1b06.

Fix errno at seeking socket/pipe on Windows

[Bug #12230]

**#3 - 08/26/2019 10:22 PM - nobu (Nobuyoshi Nakada)**

- Related to Bug #15199: scanf.rb broken with io from IO.pipe (MinGW or Windows?) added

**#4 - 08/26/2019 10:57 PM - nobu (Nobuyoshi Nakada)**

- Backport changed from 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN to 2.4: REQUIRED, 2.5: REQUIRED, 2.6: REQUIRED

### Files