Ruby master - Bug #373

MingwでIO#dupがブロックする

07/30/2008 03:21 PM - wanabe (_ wanabe)

Status: Closed
Priority: Normal
Assignee: nobu (Nobuyoshi Nakada)
Target version: 2.0.0
ruby -v: ruby 1.9.2dev (2009-11-06 trunk 25671) [i386-mingw32]

Description
=begin
ワナベと申します。
ruby-list に送った不具合を改めてこちらにも書かせていただきます。
Mingw 上の trunkで、test/ruby/test_io.rb の test_dup のようにパイプを最大まで作成してから IOオブジェクトの dup を繰り返すと処理が停止します。

$ ./ruby -ve 'a = [] loop{a.push IO.pipe} rescue nil loop {a.push(p a[0][0].dup)}'

ruby 1.9.0 (2008-07-24 revision 18196) [i386-mingw32]
#IO:0xbbdbe0
# ここで処理が止まる

また以下の結果から、msvcrt の問題のように思えます。
$ cat test.c
#include
#include
int main(int argc, char **argv) {
  int n = 0;
  while(_dup(0) != -1) n++;
  printf("n = %i\n", n);
  _dup(0);
  printf("fin\n");
  return 0;
}

$ gcc -mno-cygwin test.c && ./a.exe
n = 2045 // ←CTRL+C で中断するまで処理が止まる

$ gcc -mno-cygwin test.c -lmsvcr71 && ./a.exe
n = 2045
fin

--
ワナベ
=end

Related issues:
Related to Ruby master - Bug #1500: test_io runs forever in windows

History
#1 - 08/12/2008 02:29 PM - ko1 (Koichi Sasada)
- Assignee set to nobu (Nobuyoshi Nakada)

=begin
=end
#2 - 09/28/2008 04:50 PM - yugui (Yuki Sonoda)
- Target version set to 1.9.1 Release Candidate

#3 - 11/04/2008 07:32 AM - rogerdpack (Roger Pack)

pardon my english.
Seems that there are a few other problems with the msvcrt6 [1].
I wonder if VC6 does not suffer with these problems, and, if not, did they have to do their own workarounds? If so then this is [I suppose] a mingw issue not a ruby one.
I know the OCI guys with mingw had problems with descriptors not working, too[2].
Thoughts?
=begin
=end

#4 - 11/04/2008 09:20 AM - usa (Usaku NAKAMURA)

Hello,

In message "[ruby-dev:37022] [Bug #373] Mingw#IO#dup不正常に落ちる"
on Nov.04,2008 07:30:38, redmine@ruby-lang.org wrote:

pardon my english.
Seems that there are a few other problems with the msvcrt6 [1].

I can't understand the problems from this URL.
How do I reproduce them?

I wonder if VC6 does not suffer with these problems, and, if not, did they have to do their own workarounds? If so then this is [I suppose] a mingw issue not a ruby one.
I know the OCI guys with mingw had problems with descriptors not working, too[2].
Thoughts?

It's not our problem, but readline's.

Regards,
--
U.Nakamura usa@garbagecollect.jp

#5 - 12/11/2008 07:27 PM - akr (Akira Tanaka)
- Status changed from Open to Closed
- % Done changed from 0 to 100

=begin
Applied in changeset r20630.
=end

#6 - 11/06/2009 07:59 PM - wanabe (_ wanabe)
- File test_io_noblock.patch added
- Category set to test
- Target version changed from 1.9.1 Release Candidate to 2.0.0
- ruby -v set to ruby 1.9.2dev (2009-11-06 trunk 25671) [i386-mingw32]

=begin
この件、対応していただいたおかげで子プロセスを kill すればテストが進むようになりましたが、できればタイムアウトした方がよいかと思い、今更ながらパッチを書きました。

よろしければご検討ください。

Was this fixed in r20630?

Files

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<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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<td>test_io_noblock.patch</td>
<td>490 Bytes</td>
<td>11/06/2009</td>
<td>wanabe (_ wanabe)</td>
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<tr>
<td>test_io_noblock.patch</td>
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