

Ruby trunk - Bug #2008

test_io.rb: test 2 fails on FreeBSD

08/27/2009 04:59 PM - lucas (Lucas Nussbaum)

Status: Closed	
Priority: Normal	
Assignee: akr (Akira Tanaka)	
Target version: 2.6	
ruby -v: 1.9.1.243 GNU/kfreebsd	Backport:
Description	
<pre>=begin Hi,</pre>	
<p>Test 2 in test_io.rb fails on FreeBSD. This is related to http://redmine.ruby-lang.org/issues/show/1066, which, according to the comments posted after the bug was closed, wasn't really fixed.</p>	
<p>I ran into this on Debian GNU/kfreebsd (Debian userland, freebsd kernel). One of our freebsd porter wrote (see http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=543805):</p>	
<p>The test assumes that the kernel buffer for pipes have fixed size. It does not have to be true, there could be adaptive buffer size provided by kernel. After filling whole kernel buffer (by non-blocking write), it might be required to buffer becomes filled only from half or even empty. The next write() might be blocked until whole kernel buffer is read. Such behaviour of kernel is correct one.</p>	
<p>The kernel of FreeBSD uses adaptive pipe sizes and direct pipe writes, see http://www.freebsd.org/cgi/cvsweb.cgi/src/sys/kern/sys_pipe.c</p>	
<p>(It is likely to be the same on Mac OS X)</p>	
<p>He suggests changing the test to:</p>	
<pre>begin require "io/nonblock" r, w = IO.pipe w.nonblock = true bytes = w.write_nonblock("a" * 100000) w.nonblock = false t1 = Thread.new { w.write("b" * 4096) } t2 = Thread.new { w.write("c" * 4096) } sleep 0.5 blocks = 2 + bytes/4096 blocks.times { r.sysread(4096).length sleep 0.1 } t1.join t2.join rescue LoadError end</pre>	
<p>However, I don't understand what that test is trying to test. It might be better to simply remove that test...</p>	
<pre>=end</pre>	
Related issues:	
Related to Ruby trunk - Bug #1066: Frequent failure: test_io.rb test 2 on OS ...	Rejected 01/28/2009

History

#1 - 09/07/2009 03:33 AM - naruse (Yui NARUSE)

- Status changed from Open to Assigned

- Assignee set to akr (Akira Tanaka)

=begin

=end

#2 - 09/07/2009 01:25 PM - yugui (Yuki Sonoda)

- Category set to core

- Target version set to 1.9.2

=begin

=end

#3 - 10/28/2009 03:11 AM - naruse (Yui NARUSE)

- Status changed from Assigned to Closed

=begin

this seems resolved.

=end

#4 - 08/01/2010 05:04 AM - lucas (Lucas Nussbaum)

=begin

No, this is still a problem. How can I reopen that bug?

=end

#5 - 08/01/2010 09:34 AM - mame (Yusuke Endoh)

=begin

What's the revision?

2010/8/1 Lucas Nussbaum redmine@ruby-lang.org:

Issue [#2008](#) has been updated by Lucas Nussbaum.

No, this is still a problem. How can I reopen that bug?

<http://redmine.ruby-lang.org/issues/show/2008>

<http://redmine.ruby-lang.org>

--

Yusuke Endoh mame@tsg.ne.jp

=end

#6 - 08/01/2010 09:46 AM - nobu (Nobuyoshi Nakada)

- Status changed from Closed to Feedback

=begin

=end

#7 - 08/01/2010 08:43 PM - mame (Yusuke Endoh)

- Priority changed from Normal to 3

=begin

According to <http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=543805>,

this seems to be just a problem of test.

I change this to Low priority.

=end

#8 - 06/26/2011 03:54 PM - nahi (Hiroshi Nakamura)

- Target version changed from 1.9.2 to 1.9.3

#9 - 07/10/2011 03:29 PM - kosaki (Motohiro KOSAKI)

At least, current trunk + FreeBSD 8.2 don't reproduce this issue.

#10 - 07/10/2011 03:29 PM - kosaki (Motohiro KOSAKI)

- Target version changed from 1.9.3 to 2.0.0

#11 - 07/10/2011 04:47 PM - naruse (Yui NARUSE)

- ruby -v changed from 1.9.1.243 to 1.9.1.243 GNU/kfreebsd

Motohiro KOSAKI wrote:

At least, current trunk + FreeBSD 8.2 don't reproduce this issue.

This issue is about GNU/kfreebsd, not normal FreeBSD.

#12 - 02/18/2013 09:09 PM - mame (Yusuke Endoh)

- Target version changed from 2.0.0 to 2.6

#13 - 04/06/2013 10:04 AM - akr (Akira Tanaka)

- Status changed from Feedback to Closed

Finally I installed Debian GNU/kFreeBSD 6.0.7 (squeeze) and Debian GNU/kFreeBSD 7.0 (wheezy) and tested test_io.rb.

But I couldn't reproduce the problem.
So I close this issue.

#14 - 04/06/2013 12:44 PM - akr (Akira Tanaka)

Oops. I forgot to note what ruby I tested.

```
% ./ruby -v
ruby 2.1.0dev (2013-04-06 trunk 40143) [x86_64-kfreebsd8.1-gnu]
% lsb_release -idrc
Distributor ID: Debian
Description:   Debian GNU 6.0.7 (squeeze)
Release:      6.0.7
Codename:     squeeze
```

```
% ./ruby -v
ruby 2.1.0dev (2013-04-06 trunk 40143) [x86_64-kfreebsd9.0-gnu]
debian7-kfreebsd(12:20:17)% lsb_release -idrc
Distributor ID: Debian
Description:   Debian GNU/kFreeBSD 7.0 (wheezy)
Release:      7.0
Codename:     wheezy
```