[PATCH] fix race in blocking send_io/recv_io

03/29/2011 06:23 AM - normalperson (Eric Wong)

Status: Closed
Priority: Normal
Assignee: kosaki (Motohiro KOSAKI)
Target version: 2.0.0
ruby -v: ruby 1.9.3dev (2011-03-28 trunk 31195) [x86_64-linux]

Description
=begin
There is no need to call select() before entering a blocking I/O region since other threads may run. select() cannot guarantee readability if the IO is shared across different threads/processes. Furthermore, we actually need to select() on EAGAIN/EINTR since the functions are intended to be blocking so we move the select() calls into the retry loop.
=end

History
#1 - 03/29/2011 06:37 AM - normalperson (Eric Wong)
- File 0002-test-socket-test_unix.rb-test-case-for-bug-4535.patch added

=begin
I managed to get a reproducible test case working on a machine I have access to.
=end

#2 - 05/05/2011 08:23 AM - normalperson (Eric Wong)
Eric Wong normalperson@yhbt.net wrote:

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Bug #4535: [PATCH] fix race in blocking send_io/recv_io
http://redmine.ruby-lang.org/issues/4535

Btw, this was pushed this out to my git repo for convenience, I've just rebased and repushed:

git pull git://bogomips.org/ruby fix-unix-send-recv-io

I really look forward to this fix getting into trunk and backported to 1.9.2, thanks!

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Eric Wong

#3 - 06/11/2011 05:29 AM - normalperson (Eric Wong)
Eric Wong normalperson@yhbt.net wrote:

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Bug #4535: [PATCH] fix race in blocking send_io/recv_io
http://redmine.ruby-lang.org/issues/4535

Ping? This may become a big issue for some apps I'm working on.

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Eric Wong

#4 - 06/11/2011 04:32 PM - ko1 (Koichi Sasada)
- Status changed from Open to Assigned
- Assignee set to kosaki (Motohiro KOSAKI)

#5 - 06/14/2011 08:42 AM - akr (Akira Tanaka)
- Status changed from Assigned to Closed

<table>
<thead>
<tr>
<th>Files</th>
<th>Size</th>
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<th>Author</th>
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<tr>
<td>0001-ext-socket-unixsocket.c-fix-race-in-blocking-send_io.patch</td>
<td>1.69 KB</td>
<td>03/29/2011</td>
<td>normalperson (Eric Wong)</td>
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<tr>
<td>0002-test-socket-test_unix.rb-test-case-for-bug-4535.patch</td>
<td>1.92 KB</td>
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