Ruby master - Bug #5812

test-all is stuck on Windows

12/27/2011 09:13 AM - usa (Usaku NAKAMURA)

Status: Closed
Priority: Normal
Assignee: usa (Usaku NAKAMURA)
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2011-12-26 trunk 34131) [x64-mswin64_100]

Backport:

Description
以下の2つのテストがWindowsで刺さります。
test/ruby/test_thread.rb TestThreadGroup#test_thread_timer_and_interrupt
test/thread/test_queue.rb TestQueue#test_thr_kill

要するにIO#read中にThread#killしても終わらないことがあるわけですが、
しばらく頑張ってみたものの(thread_pthread.cからsignal_thread_listの仕組みを
持ってきるとか)修正できていないので、忘れないようにチケット化しておきます。
このままだと越年コース。
ちなみにtrunkのみならず1.9系全般で起きています。
今までテストがなかったのがいけないんですな。

Associated revisions
Revision 11de7c03 - 01/28/2012 12:51 AM - shirosaki

- test/zlib/test_zlib.rb (TestZlibGzipReader#test_reader_wrap): set binmode explicitly for fixing test error on Windows. This is consistent with r34243. [ruby-dev:45149] [Bug #5812]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34387 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 34387 - 01/28/2012 12:51 AM - shirosaki

- test/zlib/test_zlib.rb (TestZlibGzipReader#test_reader_wrap): set binmode explicitly for fixing test error on Windows. This is consistent with r34243. [ruby-dev:45149] [Bug #5812]

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Revision 34387 - 01/28/2012 12:51 AM - shirosaki

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Revision 494fd237 - 01/28/2012 12:51 AM - shirosaki

- thread_win32.c (rb_w32_wait_events_blocking): use
  ruby_thread_from_native() instead of GET_THREAD() because
  GET_THREAD() doesn't always return the current thread and
  WaitForMultipleObjects() at rb_w32_read() doesn't return by
  Thread#kill. This fixes TestQueue#test_thr_kill failure on
  Windows.

- thread_win32.c (rb_w32_wait_events): use ruby_thread_from_native()
  instead of GET_THREAD() for consistency with the above change.

- thread_win32.c (rb_w32_sleep): ditto.

- thread_win32.c (rb_w32_Sleep): ditto.
  [ruby-dev:45149] [Bug #5812]

Revision 34388 - 01/28/2012 12:51 AM - shirosaki

- thread_win32.c (rb_w32_wait_events_blocking): use
  ruby_thread_from_native() instead of GET_THREAD() because
  GET_THREAD() doesn't always return the current thread and
  WaitForMultipleObjects() at rb_w32_read() doesn't return by
  Thread#kill. This fixes TestQueue#test_thr_kill failure on
  Windows.

- thread_win32.c (rb_w32_wait_events): use ruby_thread_from_native()
  instead of GET_THREAD() for consistency with the above change.

- thread_win32.c (rb_w32_sleep): ditto.

- thread_win32.c (rb_w32_Sleep): ditto.
  [ruby-dev:45149] [Bug #5812]

Revision 34388 - 01/28/2012 12:51 AM - shirosaki

- thread_win32.c (rb_w32_wait_events_blocking): use
  ruby_thread_from_native() instead of GET_THREAD() because
  GET_THREAD() doesn't always return the current thread and
  WaitForMultipleObjects() at rb_w32_read() doesn't return by
  Thread#kill. This fixes TestQueue#test_thr_kill failure on
  Windows.

- thread_win32.c (rb_w32_wait_events): use ruby_thread_from_native()
  instead of GET_THREAD() for consistency with the above change.

- thread_win32.c (rb_w32_sleep): ditto.

- thread_win32.c (rb_w32_Sleep): ditto.
  [ruby-dev:45149] [Bug #5812]

Revision 34388 - 01/28/2012 12:51 AM - shirosaki

- thread_win32.c (rb_w32_wait_events_blocking): use
ruby_thread_from_native() instead of GET_THREAD() because
GET_THREAD() doesn't always return the current thread and
WaitForMultipleObjects() at rb_w32_read() doesn't return by
Thread#kill. This fixes TestQueue#test_thr_kill failure on
Windows.

- thread_win32.c (rb_w32_wait_events): use ruby_thread_from_native()
  instead of GET_THREAD() for consistency with the above change.

- thread_win32.c (rb_w32_sleep): ditto.

- thread_win32.c (rb_w32_Sleep): ditto.
  [ruby-dev:45149] [Bug #5812]

Revision 34388 - 01/28/2012 12:51 AM - shirosaki

- thread_win32.c (rb_w32_wait_events_blocking): use
  ruby_thread_from_native() instead of GET_THREAD() because
  GET_THREAD() doesn't always return the current thread and
  WaitForMultipleObjects() at rb_w32_read() doesn't return by
  Thread#kill. This fixes TestQueue#test_thr_kill failure on
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- thread_win32.c (rb_w32_wait_events): use ruby_thread_from_native()
  instead of GET_THREAD() for consistency with the above change.

- thread_win32.c (rb_w32_sleep): ditto.

- thread_win32.c (rb_w32_Sleep): ditto.
  [ruby-dev:45149] [Bug #5812]

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  ruby_thread_from_native() instead of GET_THREAD() because
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  [ruby-dev:45149] [Bug #5812]
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[ruby-dev:45149] [Bug #5812]

Revision bb659206 - 01/28/2012 12:51 AM - shirosaki

● test/ruby/test_thread.rb
 (TestThreadGroup#test_thread_timer_and_interrupt): skip exit status assertion because we cannot get signal status on Windows.
● win32/win32.c (CreateChild): create process group to receive the signal by GenerateConsoleCtrlEvent().
● win32/win32.c (kill): use CTRL_BREAK_EVENT instead of CTRL_C_EVENT if a process group is specified. CTRL_C_EVENT signal cannot be generated for process groups for the specification.
[ruby-dev:45149] [Bug #5812]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34389 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 34389 - 01/28/2012 12:51 AM - shirosaki

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 (TestThreadGroup#test_thread_timer_and_interrupt): skip exit status assertion because we cannot get signal status on Windows.
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[ruby-dev:45149] [Bug #5812]
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Revision a65f6649 - 01/28/2012 12:51 AM - shirosaki

- win32/win32.c (rb_w32_read): fix an issue that $stdin.read doesn't terminate by CTRL-C on Windows. [ruby-dev:45149] [Bug #5812]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34390 b2dd03c8-39d4-4d8f-98f8-823fe69b080e

Revision 34390 - 01/28/2012 12:51 AM - shirosaki
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Revision e892c81c - 02/03/2012 07:17 AM - naruse (Yui NARUSE)

merge revision(s) 34040,34051,34063,34389,34402,34403:

r34040 | naruse | 2011-12-14 14:42:34 +0900 (Wed, 14 Dec 2011) | 1 line

Use pipe instead of $stdin.read.

* test/ruby/envutil.rb (invoke_ruby): remove :timeout option before pass it to Kernel#spawn.

* test/ruby/test_thread.rb
  (TestThreadGroup#test_thread_timer_and_interrupt): skip exit status assertion because we cannot get signal status on Windows.

* win32/win32.c (CreateChild): create process group to receive the signal by GenerateConsoleCtrlEvent().

* win32/win32.c (kill): use CTRL_BREAK_EVENT instead of CTRL_C_EVENT if a process group is specified. CTRL_C_EVENT signal cannot be generated for process groups for the specification.
  [ruby-dev:45149] [Bug #5812]

* test/ruby/envutil.rb (EnvUtil.invoke_ruby): yield also child pid in block form.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@34426 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 01/23/2012 11:47 AM - h.shirosaki (Hiroshi Shirosaki)

- File thread_signal.patch added

Windows

• TestThreadGroup#test_thread_timer_and_interrupt GenerateConsoleCtrlEvent(CTRL_C_EVENT) if a process group is specified. CTRL_C_EVENT signal cannot be generated for process groups for the specification.


Generates a CTRL+C signal. This signal cannot be generated for process groups. If dwProcessGroupId is nonzero, this function will succeed, but the CTRL+C signal will not be received by processes within the specified process group.

• CTRL_BREAK_EVENT

[http://blade.nagaokaut.ac.jp/cgi-bin/scat.rb/ruby/ruby-dev/18096](http://blade.nagaokaut.ac.jp/cgi-bin/scat.rb/ruby/ruby-dev/18096)
s.exited?, s.signaled?, s.stopped? は、WindowsではUnixのように取れないようなので、その部分のテストを修正しました。

http://bugs.ruby-lang.org/projects/ruby-trunk/repository/entry/win32/win32.c#L3893
if (stat_loc) *stat_loc = exitcode << 8;

statusは8bitとみなし

- TestQueue#test_thr_kill
  Thread.new read.rb を実行中にw32_wait_events_blockingでGET_THREAD()でmain threadが取れる
  ruby_thread_from_native()はGET_THREAD()はruby_thread_from_native()と同様に

- ruby -e "$stdin.read"をCTRL-Cでrubyを終了
  CTRL-CはCTRL-C + Enterで実行した場合、GET_THREAD()がmain threadを取る
  これはruby_thread_from_native()が適当に動いたため

CTRL-Cを押したとき、ReadFileのエラーで、ERROR_OPERATION_ABORTEDになるので、その時はretryしないようにしました。

zlibのテストでエラーになるので、binmodeを追加しました。この修正と同様だと思います。

http://bugs.ruby-lang.org/projects/ruby-trunk/repository/revisions/34243
trunkにこのパッチを当てて、mingw on Windowsでmake test, make test-allを確認しました。
make testは成功、make test-allのエラーは増えていません。

#2 - 01/27/2012 11:17 AM - usa (Usaku NAKAMURA)
すばらしい！
commitしてください。

#3 - 01/28/2012 09:51 AM - Anonymous
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r34387.
Usaku, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

test/zlib/test_zlib.rb (TestZlibGzipReader#test_reader_wrap): set binmode explicitly for fixing test error on Windows. This is consistent with r34243. [ruby-dev:45149] [Bug #5812]

Files

| thread_signal.patch         | 3.85 KB | 01/23/2012 | h.shirosaki (Hiroshi Shirosaki) |