

Ruby - Bug #4121

test_getpty_nonexistent

12/06/2010 01:44 PM - kyanagi (Kouhei Yanagita)

Status:	Closed
Priority:	Normal
Assignee:	kosaki (Motohiro KOSAKI)
Target version:	
ruby -v:	ruby 1.9.3dev (2010-12-06 trunk 30091) [x86_64-linux]
Backport:	

Description

```
=begin
CentOS 5.5 ruby test_pty.rb
=====
while true; do make test-all TESTS='test_pty.rb'; done
=====

Debian lenny
$ make test-all TESTS='test_pty.rb'
./miniruby -I./lib -I.ext/common ./tool/runruby.rb --extout=.ext -- "./test/runner.rb" test_pty.rb
Run options:
```

Running tests:

.....(□□□□□□□□C-c□□□□)F.....

Finished tests in 2.729398s, 4.3966 tests/s, 10.6251 assertions/s.

1. Failure:

test_getpty_nonexistent(TestPTY) [/home/yanagi/tmp/ruby/test/test_pty.rb:157]:
[[truby-dev:41965](#)]

[Errno::ENOENT] exception expected, not

Class:

Message: <"">

---Backtrace---

```
/home/yanagi/tmp/ruby/test/test_pty.rb:159:in `getbyte' /home/yanagi/tmp/ruby/test/test_pty.rb:159:in `getpty'  
/home/yanagi/tmp/ruby/test/test_pty.rb:159:in `block (2 levels) in test_getpty_nonexistent'
```

12 tests, 29 assertions, 1 failures, 0 errors, 0 skips

make: *** [yes-test-all] Error 1

=end

Related issues:

Related to Ruby - Bug #4157: test_pty ┌───────── Failure

Closed

Associated revisions

Revision 40240274 - 12/25/2010 05:31 AM - kosaki (Motohiro KOSAKI)

- ext/pty/pty.c (chfunc): Added rb_thread_atfork_before_exec(). We must reinitialize GVL when new process creation. Otherwise we may meet an insane deadlock. [Bug #4121] [ruby-dev:42686]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@30350 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 6223c55b - 12/25/2010 09:37 AM - yuuui (Yuki Sonoda)

merges r30350 from trunk into ruby_1_9_2.

```
* ext/pty/pty.c (chfunc): Added rb_thread_atfork_before_exec().  
  We must reinitialize GVL when new process creation. Otherwise  
  we may meet an insane deadlock. [Bug #4121] [ruby-dev:42686]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_2@30362 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 12/14/2010 07:05 PM - metanest (Makoto Kishimoto)

```
=begin  
CPU 4 AMD64 FreeBSD  
$ cpuset -l 0 make test-all TESTS='test_pty.rb'
```

CPU

```
$ cpuset -l 0 make test-all TESTS='-n test_getpty_nonexistent test_pty.rb'
```

```
CentOS 5.5/Xeon L3426  
=end
```

#2 - 12/14/2010 08:00 PM - kyanagi (Kouhei Yanagita)

```
=begin  
CentOS 5.5/Xeon L3426  
make test-all TESTS="test_pty.rb"  
→CPU
```

```
make test-all TESTS="-n test_getpty_nonexistent test_pty.rb"  
→CPU
```

```
taskset -c 0 make test-all TESTS="test_pty.rb"  
→CPU
```

```
taskset -c 0 make test-all TESTS="-n test_getpty_nonexistent test_pty.rb"  
→CPU
```

CPU

```
=end
```

#3 - 12/22/2010 04:55 PM - nagachika (Tomoyuki Chikanaga)

```
=begin  
CPU  
RHEL ES 3.8 Kernel 2.4.21-47.ELsmp, Xeon 5160(2core) x 2CPU  
Ubuntu 9.04 Kernel 2.6.28-19-generic, Pentium4 x 1CPU
```

```
CPU  
RHEL ES 4.8 Kernel 2.6.9-89.ELlargesmp, Xeon X5570(2core) x 4CPU
```

```
CPU gdb attach CPU  
CPU
```

```
gvl_acquire CPU 1.90 CPU native_cond_wait CPU
```

```
(gdb) p vm->gvl.waiting_threads  
$2 = (struct rb_thread_struct * volatile) 0x832f8b8  
(gdb) p th  
$3 = (rb_thread_t *) 0x82117a0  
(gdb) p vm->gvl.acquired  
$4 = 0  
(gdb) p th->thread_id  
$5 = 4160292544  
(gdb) p vm->gvl.waiting_threads->thread_id  
$6 = 4156005280  
(gdb) info thread  
2 Thread 4156771232 (LWP 18806) 0xfffffe410 in __kernel_vsyscall ()
```

- 1 Thread 4160292544 (LWP 18804) 0xffffe410 in __kernel_vsyscall ()

```
#38 0x08142fd9 in invoke_block_from_c (th=0x82117a0, block=0xf7cb4f40, self=138349680, argc=1, argv=0xfffffc630, blockptr=0x0, cref=0x0) at vm.c:561
#39 0x081430ea in vm_yield (th=0x82117a0, argc=1, argv=0xfffffc630) at vm.c:591
#40 0x081404af in rb_yield_0 (argc=1, argv=0xfffffc630) at vm_eval.c:740
#41 0x081404e8 in rb_yield (val=137647980) at vm_eval.c:750
#42 0x0815793d in rb_ary_each (ary=137546320) at array.c:1429
#43 0x08134080 in call_cfunc (func=0x81578cb <rb_ary_each>, recv=137546320, len=0, argc=0, argv=0xf7c35054) at vm_insnhelper.c:319
#44 0x081349b4 in vm_call_cfunc (th=0x82117a0, reg_cfp=0xf7cb4f2c, num=0, recv=137546320, blockptr=0xf7cb4f40, me=0x82725a8) at vm_insnhelper.c:403
#45 0x08134e7e in vm_call_method (th=0x82117a0, cfp=0xf7cb4f2c, num=0, blockptr=0xf7cb4f40, flag=0, id=424, me=0x82725a8, recv=137546320) at vm_insnhelper.c:525
#46 0x081394c7 in vm_exec_core (th=0x82117a0, initial=0) at insns.def:1010
#47 0x081442d0 in vm_exec (th=0x82117a0) at vm.c:1150
#48 0x08144a66 in rb_iseq_eval_main (iseqval=136494340) at vm.c:1391
#49 0x08059780 in ruby_exec_internal (n=0x822bd04) at eval.c:225
#50 0x08059867 in ruby_exec_node (n=0x822bd04) at eval.c:272
#51 0x08059841 in ruby_run_node (n=0x822bd04) at eval.c:265
#52 0x080583ae in main (argc=4, argv=0xffffd1b4) at main.c:38
```

=end

#4 - 12/22/2010 05:09 PM - kosaki (Motohiro KOSAKI)

- Category set to core
 - Status changed from Open to Assigned
 - Assignee set to kosaki (Motohiro KOSAKI)

=begin

=end

#5 - 12/22/2010 07:10 PM - kosaki (Motohiro KOSAKI)

Process#fork() fork() IO#popen() rb_thread_atfork() GVL() GVL()

Chikanaga

commit f54418b71f57e00d4a50bd86bf7d18b8b5195287
Author: matz matz@b2dd03c8-39d4-4d8f-98ff-823fe69b080e
Date: Mon Nov 27 09:23:38 2000 +0000

mat z

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@1053 b2dd03c8-39d4-4d8f-98ff-823fe69

+Mon Nov 27 00:10:08 2000 Yukihiro Matsumoto matz@ruby-lang.org
+

- [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]

commit e4cf9c59fda102a80aa767c3a66a4738e26f6213
Author: ko1 ko1@b2dd03c8-39d4-4d8f-98ff-823fe69b080e
Date: Sun Nov 28 13:00:49 2010 +0000

```
* thread_pthread.c: remove pthread_atfork().
```

```
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@29963 b2dd03c8-39d4-4d8f-98ff-823fe6
```

=end

#6 - 12/25/2010 02:37 PM - kosaki (Motohiro KOSAKI)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

=begin

This issue was solved with changeset r30350.

Kouhei, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

=end