Ruby master - Bug #7589

parallel test-all で test_settracefunc が SEGV

12/19/2012 12:01 PM - naruse (Yui NARUSE)

Status: Closed
Priority: Normal
Assignee:
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2012-12-19 trunk 38456) [x86_64-linux]

Description

while make TESTS='-qv -j1 ruby/test_settracefunc.rb' test-all;do done としていると以下の通りSEGVします。

前略
TestSetTraceFunc#test_tracepoint_exception_at_line = 0.00 s = .
/home/naruse/ruby/lib/test/unit/parallel.rb:38: [BUG] Segmentation fault
ruby 2.0.0dev (2012-12-19 trunk 38456) [x86_64-linux]

-- Control frame information -----------------------------------------------
c:0001 p:---- s:0002 e:000001 TOP [FINISH]

-- Ruby level backtrace information ----------------------------------------
/home/naruse/ruby/lib/test/unit/parallel.rb:38:in `block in _run_suite'

-- C level backtrace information -------------------------------------------
/lib/libruby.so.2.0.0(+0x1be874) [0x2b09de81b874] vm_dump.c:643
/home/naruse/ruby/lib/libruby.so.2.0.0(+0x662a7) [0x2b09de6c32a7] error.c:306
/home/naruse/ruby/lib/libruby.so.2.0.0((rb_bug+0x108) [0x2b09de6c33e5] error.c:325
/home/naruse/ruby/lib/libruby.so.2.0.0(+0x1382f2) [0x2b09de7952f2] signal.c:649
/lib/libpthread.so.0(+0x8f0) [0x2b09deb188f0] /nptl/sysdeps/pthread/funlockfile.c:30
/home/naruse/ruby/lib/test/unit/parallel.rb:38:in `block in _run_suite'

-- Other runtime information -----------------------------------------------
Loaded script: /home/naruse/ruby/lib/test/unit/parallel.rb: TestSetTraceFunc#test_tracepoint_thread

Some worker was crashed. It seems ruby interpreter's bug
or, a bug of test/unit/parallel.rb. try again without -j
option.

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

diff --git a/lib/test/unit/parallel.rb b/lib/test/unit/parallel.rb
index d189183..b044792 100644
--- a/lib/test/unit/parallel.rb
+++ b/lib/test/unit/parallel.rb

09/28/2021
@@ -34,8 +34,13 @@ module Test
      th = Thread.new do
      begin
        while buf = (self.verbose ? i.gets : i.read(5))
-        _report "p", buf
-        buf = i.read
+        if self.verbose
+          buf.each_line{|l|
+            _report "p", l
+          }
+        else
+          raise IOException rescue Errno::EPIPE
      end
      end rescue IOError rescue Errno::EPIPE

Related issues:
Related to Ruby master - Bug #7590: parallel test-all で test_settracefunc が c... Closed 12/19/2012

Associated revisions
Revision e9e4ea98 - 12/19/2012 08:54 AM - tarui (Masaya Tarui)
  ● vm_trace.c (rb_threadptr_exec_event_hooks): get rid of race condition. [Bug #7589] [ruby-dev:46763]
  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38464 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38464 - 12/19/2012 08:54 AM - tarui (Masaya Tarui)
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History
#1 - 12/19/2012 05:55 PM - tarui (Masaya Tarui)
- Status changed from Open to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r38464.
Yui, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

  ● vm_trace.c (rb_threadptr_exec_event_hooks): get rid of race condition. [Bug #7589] [ruby-dev:46763]

#2 - 12/19/2012 08:28 PM - kosaki (Motohiro KOSAKI)
あれ、まだ起きるような。
うちのx86_64 linuxだと以下のように vm_call_cfunc - cfp consistency error でrb_bugして、その延長でsegv。

ところで、一般論としてcfp consistency errorが起きてる時に ruby level backtraceが採取できる可能性はないんでしょうか。

```ruby
#0 0x00007f0bedb7fec3 in fill_lines (num_traces=23,
traces=0x7f0bede50060, syms=0x7f0bee141eb0, check_debuglink=1,
current_line=0x7f0bee1427a0, lines=0x7f0bee1427a0)
at ../addr2line.c:513
#1 0x00007f0bedb80219 in rb_dump_backtrace_with_lines (num_traces=23,
trace=0x7f0bede50060, syms=0x7f0bee141eb0) at ../addr2line.c:605
#2 0x00007f0bedb6b9f7 in rb_vm_bugreport () at ../vm_dump.c:648
#3 0x00007f0beda11179 in report_bug (file=0x7f0bee203fe0 "/home/kosaki/ruby/git/lib/minitest/unit.rb",
line=912, fmt=0x7f070bedb37ff "Segmentation fault",
args=0x7f0bee068880) at ../error.c:306
#4 0x00007f0beda120b7 in rb_bug (fmt=0x7f070bedb37ff "Segmentation fault")
at ../error.c:325
#5 0x00007f0bedae3c39 in sigsegv (sig=11, info=0x7f0bee068a0,
ctx=0x7f0bee0689c0) at ../signal.c:649
#6 0x00007f0bedb7fec3 in fill_lines (num_traces=16,
traces=0x7f0bede50060, syms=0x7f0bee66ab00, check_debuglink=1,
current_line=0x7f0bee66b150, lines=0x7f0bee66b150)
at ../addr2line.c:513
#8 0x00007f0bedb80219 in rb_dump_backtrace_with_lines (num_traces=16,
trace=0x7f0bede50060, syms=0x7f0bee66ab00) at ../addr2line.c:605
#9 0x00007f0bedb6b9f7 in rb_vm_bugreport () at ../vm_dump.c:648
#10 0x00007f0beda11179 in report_bug (file=0x7f0bee203fe0 "/home/kosaki/ruby/git/lib/minitest/unit.rb",
line=912, fmt=0x7f070bedb37ff "vm_call_cfunc - cfp consistency error",
args=0x7f07ccf5d500) at ../error.c:306
#11 0x00007f0beda120b7 in rb_bug (fmt=0x7f070bedb37ff "vm_call_cfunc - cfp consistency error")
at ../error.c:325
#12 0x00007f0bedb53530 in vm_call_cfunc_with_frame (th=0x7f0bedffe5b0,
reg_cfp=0x7f0bed99eeb0, ci=0x7f0bee17b750) at ../vm_insnhelper.c:1422
#13 0x00007f0bedb537cc in vm_call_cfunc (th=0x7f0bedffe5b0,
reg_cfp=0x7f0bed99eeb0, ci=0x7f0bee17b750) at ../vm_insnhelper.c:1509
#14 0x00007f0bedb545b6 in vm_call_method (th=0x7f0bedffe5b0,
cfp=0x7f0bed99eeb0, ci=0x7f0bee17b750) at ../vm_insnhelper.c:1683
#15 0x00007f0bedb5d71 in vm_call_general (th=0x7f0bedffe5b0,
reg_cfp=0x7f0bed99eeb0, ci=0x7f0bee17b750) at ../vm_insnhelper.c:1832
#16 0x00007f0bedb98951 in vm_exec_core (th=0x7f0bedffe5b0, initial=0)
at ../insn.def:996
#17 0x00007f0bedb7785 in vm_exec (th=0x7f0bedffe5b0) at ../vm.c:1169
#18 0x00007f0bedb879b in rb_iseq_eval_main (iseqval=139689214591600)
at ../vm.c:1417
#19 0x00007f0beda178c8 in ruby_exec_internal (n=0x7f0bee03c270)
at ../eval.c:250
#20 0x00007f0beda179db in ruby_exec_node (n=0x7f0bee03c270)
at ../eval.c:315
#21 0x00007f0beda179ae in ruby_run_node (n=0x7f0bee03c270)
at ../eval.c:307
#22 0x00007f0bed9d8f9 in main (argc=6, argv=0x7ff16fd0898)
at ../main.c:36
```

#3 - 12/19/2012 08:30 PM - kosaki (Motohiro KOSAKI)

itaruさん #7590に確認依頼がありますよ。