

Ruby trunk - Bug #7789

test_setsid fails for OpenBSD

02/06/2013 08:31 AM - kernigh (George Koehler)

Status:	Closed	
Priority:	Normal	
Assignee:	kosaki (Motohiro KOSAKI)	
Target version:	2.0.0	
ruby -v:	ruby 2.0.0dev (2013-02-06 trunk 39081) [x86_64-openbsd5.2]	Backport:

Description

=begin

TestProcess#test_setsid always fails because OpenBSD doesn't allow Process::getsid(pid) when the pid is in a different session. Quoting man getsid, "[EPERM] The current process and the process pid are not in the same session."

How to reproduce:

```
$ make test-all TESTS='ruby/test_process.rb -n test_setsid'
```

```
CC = gcc
```

```
LD = ld
```

```
LDSHARED = gcc -shared
```

```
CFLAGS = -O3 -fno-fast-math -ggdb3 -Wall -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long-long
```

```
-Wno-missing-field-initializers -Wunused-variable -Werror=pointer-arith -Werror=write-strings -Werror=declaration-after-statement
```

```
-Werror=implicit-function-declaration -ansi -std=iso9899:199409
```

```
XCFLAGS = -include ruby/config.h -include ruby/missing.h -D_FORTIFY_SOURCE=2 -fstack-protector -fno-strict-overflow
```

```
-fvisibility=hidden -DRUBY_EXPORT -fPIE
```

```
CPPFLAGS = -I/usr/local/include -I. -I.ext/include/x86_64-openbsd5.2 -I../include -I..
```

```
DLDFLAGS = -fstack-protector -pie
```

```
SOLIBS =
```

```
./miniruby -I../lib -I. -I.ext/common ../tool/runruby.rb --extout=.ext -- --disable-gems "../test/runner.rb" --ruby=./miniruby -I../lib -I.
```

```
-I.ext/common ../tool/runruby.rb --extout=.ext -- --disable-gems" ruby/test_process.rb -n test_setsid
```

```
Run options: "--ruby=./miniruby -I../lib -I. -I.ext/common ../tool/runruby.rb --extout=.ext -- --disable-gems" -n test_setsid
```

```
# Running tests:
```

```
[1/1] TestProcess#test_setsid = 3.04 s
```

```
1) Error:
```

```
test_setsid(TestProcess):
```

```
Errno::EPERM: Operation not permitted
```

```
/home/kernigh/park/ruby/test/ruby/test_process.rb:1589:in getsid'
```

```
/home/kernigh/park/ruby/test/ruby/test_process.rb:1589:inblock in test_setsid'
```

```
/home/kernigh/park/ruby/test/ruby/test_process.rb:1578:in popen'
```

```
/home/kernigh/park/ruby/test/ruby/test_process.rb:1578:intest_setsid'
```

```
Finished tests in 3.050209s, 0.3278 tests/s, 0.3278 assertions/s.
```

```
1 tests, 1 assertions, 0 failures, 1 errors, 0 skips
```

```
ruby -v: ruby 2.0.0dev (2013-02-06 trunk 39081) [x86_64-openbsd5.2]
```

```
*** Error code 1
```

```
Stop in /home/kernigh/park/ruby/build (line 977 of Makefile).
```

The only fix is to skip the Process::getsid(pid) in the test. I wrote a patch for this. My patch does not call the skip method, because I was not sure how to call it. I don't want to skip the whole test.

While I am looking at this test, I see that it calls ((Process.kill(:KILL, io.pid))) but never reaps the zombie process. Shouldn't it call ((Process.wait(io.pid))) after that?

=end

Associated revisions

Revision 88903e23 - 02/06/2013 06:37 AM - kosaki (Motohiro KOSAKI)

- test/ruby/test_process.rb (test_setsid): skip when platform is OpenBSD. Contributed from George Koehler. [Bug #7789] [ruby-core:51889]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39097 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39097 - 02/06/2013 06:37 AM - kosaki (Motohiro KOSAKI)

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History

#1 - 02/06/2013 09:21 AM - kosaki (Motohiro KOSAKI)

- Category set to core
- Status changed from Open to Assigned
- Assignee set to kosaki (Motohiro KOSAKI)
- Target version set to 2.0.0

#2 - 02/06/2013 03:37 PM - kosaki (Motohiro KOSAKI)

The only fix is to skip the Process::getsid(pid) in the test. I wrote a patch for this.

OK. I agree with skipping test. But I would like to just skip instead of your approach.

While I am looking at this test, I see that it calls Process.kill(:KILL, io.pid) but never reaps the zombie process. Shouldn't it call > Process.wait(io.pid) after that?

Yeah! You are right. I'll fix this.

#3 - 02/06/2013 03:37 PM - kosaki (Motohiro KOSAKI)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r39097.
George, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- test/ruby/test_process.rb (test_setsid): skip when platform is OpenBSD. Contributed from George Koehler. [Bug [#7789](#)] [ruby-core:51889]

Files

setsid-openbsd.diff	815 Bytes	02/06/2013	kernigh (George Koehler)
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