

Ruby master - Bug #5577

test/testunit/test_parallel.rb causes NoMethodError when file descriptor is limited to 30.

11/06/2011 01:17 PM - akr (Akira Tanaka)

Status:	Assigned	
Priority:	Normal	
Assignee:	sorah (Sorah Fukumori)	
Target version:		
ruby -v:	ruby 2.0.0dev (2011-11-06 trunk 33645) [x86_64-linux]	Backport:

Description

```
ulimit -n 30 file descriptor 30
test/testunit/test_parallel.rb
```

```
undefined method close' for nil:NilClass (NoMethodError)
NoMethodError: undefined methodchomp' for nil:NilClass
```

```
%(ulimit -n 30; make test-all TESTS='test/testunit/test_parallel.rb')
./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 test/testunit/test_parallel.rb
Run options: "--ruby=./miniruby -I./lib -I. -I.ext/common ./tool/runruby.rb --extout=.ext -- --disable-gems"
```

Running tests:

```
.FFFF/home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:137:in ensure in run': undefined methodclose' for nil:NilClass
(NoMethodError)
from /home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:138:in run'
from /home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:156:in'
F/home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:137:in ensure in run': undefined methodclose' for nil:NilClass
(NoMethodError)
from /home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:138:in run'
from /home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:156:in'
F/home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:137:in ensure in run': undefined methodclose' for nil:NilClass
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F/home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:137:in ensure in run': undefined methodclose' for nil:NilClass
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from /home/akr/ruby/tst2/ruby/test/testunit/./lib/test/unit/parallel.rb:156:in'
F
F
```

Finished tests in 5.751803s, 1.9124 tests/s, 1.9124 assertions/s.

1) Failure:

```
test_jobs_status(TestParallel::TestParallel) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:177]:
Expected /\d+=ptest_(first|second|third|forth) */ to match "Run options: --ruby ./miniruby -I./lib -I. -I.ext/common ./tool/runruby.rb
--extout=.ext -- --disable-gems" -j t1 --jobs-status\n\n# Running tests:\n\n/home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:137:in
ensure in run': undefined methodclose' for nil:NilClass (NoMethodError)\n\nfrom /home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:138:in
```

```
run\n\tfrom /home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:156:in\n\nSome worker was crashed. It seems ruby interpreter's bug\nor, a bug of test/unit/parallel.rb. try again without -j\noption.\n\n".
```

2) Failure:

```
test_no_retry_option(TestParallel::TestParallel) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:171]:  
Expected /^ +\d+) Failure:\ntest_fail_at_worker(TestD)/ to match "Run options: --ruby \"/.miniruby -I./lib -I. -I.ext/common  
.tool/runruby.rb --extout=.ext -- --disable-gems\" -j t1 --no-retry\n\n# Running  
tests:\n\n/home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:137:in ensure in run': undefined methodclose' for nil:NilClass  
(NoMethodError)\n\tfrom /home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:138:in run\n\tfrom  
/home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:156:in\n\nSome worker was crashed. It seems ruby interpreter's bug\nor, a bug of  
test/unit/parallel.rb. try again without -j\noption.\n\n".
```

3) Failure:

```
test_should_retry_failed_on_workers(TestParallel::TestParallel) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:164]:  
Expected Retrying.+$/ to match "Run options: --ruby \"/.miniruby -I./lib -I. -I.ext/common .tool/runruby.rb --extout=.ext -- --disable-gems\" -j  
-j t1\n\n# Running tests:\n\n/home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:137:in ensure in run': undefined methodclose' for  
nil:NilClass (NoMethodError)\n\tfrom /home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:138:in run\n\tfrom  
/home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:156:in\n\nSome worker was crashed. It seems ruby interpreter's bug\nor, a bug of  
test/unit/parallel.rb. try again without -j\noption.\n\n".
```

4) Failure:

```
test_should_run_all_without_any_leaks(TestParallel::TestParallel) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:158]:  
Expected {SF:}|{7}$/ to match "Run options: --ruby \"/.miniruby -I./lib -I. -I.ext/common .tool/runruby.rb --extout=.ext -- --disable-gems\" -j  
t1\n\n# Running tests:\n\n/home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:137:in ensure in run': undefined methodclose' for  
nil:NilClass (NoMethodError)\n\tfrom /home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:138:in run\n\tfrom  
/home/akr/ruby/tst2/ruby/lib/test/unit/parallel.rb:156:in\n\nSome worker was crashed. It seems ruby interpreter's bug\nor, a bug of  
test/unit/parallel.rb. try again without -j\noption.\n\n".
```

5) Failure:

```
test_accept_run_command_multiple_times(TestParallel::TestParallelWorker)  
[/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:64]:  
Expected /ready/ to match nil.
```

6) Failure:

```
test_run(TestParallel::TestParallelWorker) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:40]:  
Expected /ready/ to match nil.
```

7) Failure:

```
test_run_multiple_testcase_in_one_file(TestParallel::TestParallelWorker) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:51]:  
Expected /ready/ to match nil.
```

8) Failure:

```
test_quit(TestParallel::TestParallelWorker) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:116]:  
Expected /bye$m to match "".
```

9) Failure:

```
test_done(TestParallel::TestParallelWorker) [/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:96]:  
Expected /done (.+?)$/ to match nil.
```

10) Error:

```
test_p(TestParallel::TestParallelWorker):  
NoMethodError: undefined method chomp' for nil:NilClass  
/home/akr/ruby/tst2/ruby/test/testunit/test_parallel.rb:86:inblock in test_p'
```

11 tests, 11 assertions, 9 failures, 1 errors, 0 skips

```
ruby -v: ruby 2.0.0dev (2011-11-06 trunk 33645) [x86_64-linux]  
make: *** [yes-test-all] 000 10  
zsh: exit 2 ( ulimit -n 30; make test-all TESTS='test/testunit/test_parallel.rb'; )
```

```
% ./ruby -v
ruby 2.0.0dev (2011-11-06 trunk 33645) [x86_64-linux]
```

Associated revisions

Revision 42b1df08 - 03/11/2012 08:28 AM - sorah (Sorah Fukumori)

- lib/test/unit.rb: Put error message into STDERR if failed to lanch worker (job) process. [ruby-dev:44802] [Bug #5577]
- lib/test/unit/parallel.rb: If failed to increment_io, exit with code
1. [ruby-dev:44802] [Bug #5577]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34968 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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History

#1 - 11/08/2011 05:43 PM - znz (Kazuhiro NISHIYAMA)

- Assignee set to sorah (Sorah Fukumori)

#2 - 03/11/2012 05:28 PM - sorah (Sorah Fukumori)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r34968.
Akira, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- lib/test/unit.rb: Put error message into STDERR if failed to lanch worker (job) process. [ruby-dev:44802] [Bug #5577]

- lib/test/unit/parallel.rb: If failed to increment_io, exit with code

1. [ruby-dev:44802] [Bug #5577]

#3 - 03/11/2012 06:53 PM - sorah (Sorah Fukumori)

- Status changed from Closed to Assigned

worker exit 1 (r34968)

(ulimit -n 30; make test-all TESTS='test/testunit/test_parallel.rb') OS X
timeout

lib/test/unit.rb:464 while _io=IO.select(@ios)[0] p @workers

```
$ make install-nodoc
$ cat ../test.rb
ARGV = ["-j1"]
require "#{File.dirname(ARGV[0])}/test/testunit/tests_for_parallel/runner"
$ ( ulimit -n 15; make gdb-ruby )
gdb -x run.gdb --quiet --args ruby ../test.rb
Reading symbols for shared libraries .... done
Breakpoint 1 at 0x20c49ba5d5e854: file ../debug.c, line 137.
Reading symbols for shared libraries +++..... done
Reading symbols for shared libraries . done
Reading symbols for shared libraries . done
../test.rb:1: warning: already initialized constant ARGV
Run options: -j1
```

Running tests:

[15463:waiting]

```
Program received signal SIGINT, Interrupt.
0x000000010006aee in rb_newobj () at ../gc.c:1328
1328  objspace->heap.free_slots->freelist = RANY(obj)->as.free.next;
Current language: auto; currently minimal
(gdb) rb_backtrace
```

