

## Backport193 - Backport #5661

### Segfault in Random.rand with Spork gem

11/23/2011 03:32 AM - Odaeus (Andrew France)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	usa (Usaku NAKAMURA)	
<b>Description</b>		
<p>When running my Rails 3.1 RSpec suite with the Spork gem I get a Segmentation Fault caused by the Random.rand method.</p> <p>The full debug output is attached. Sorry I have not been able to isolate the code to a minimum test case. Suggestions on reproducing with less code would be welcome.</p> <p>The offending code is in a Factory Girl factory definition:</p> <pre>trait :with_messages do   after_create do  mt      user = FactoryGirl.create(:user) # To prevent creating 1 user per message     FactoryGirl.create_list(:message, 1 + Random.rand(4), thread: mt, created_by: user)   end end</pre> <p>Spork is loaded with: bundle exec spork rspec The fault occurs when the test run is executed with: bundle exec rspec spec It works fine when not running in the Spork process.</p>		
<b>Related issues:</b>		
Has duplicate Backport193 - Backport #7159: SIGSEGV when calling Random#rand ...	<b>Closed</b>	<b>10/15/2012</b>

#### Associated revisions

##### Revision b87f2fe1 - 03/11/2012 10:03 PM - nobu (Nobuyoshi Nakada)

- random.c (random\_s\_rand): ensure default PRNG is re-initialized after fork. patched by Eric Wong. [ruby-core:41209][Bug #5661]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34977 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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## Revision ae5930a8 - 10/16/2012 01:55 AM - usa (Usaku NAKAMURA)

merge revision(s) 34977: [Backport #5661]

```
* random.c (random_s_rand): ensure default PRNG is re-initialized
  after fork.  patched by Eric Wong.  [ruby-core:41209][Bug #5661]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_1\_9\_3@37208 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

## Revision 37208 - 10/16/2012 01:55 AM - usa (Usaku NAKAMURA)

merge revision(s) 34977: [Backport #5661]

```
* random.c (random_s_rand): ensure default PRNG is re-initialized
  after fork.  patched by Eric Wong.  [ruby-core:41209][Bug #5661]
```

## History

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### #1 - 11/23/2011 03:36 AM - Odaeus (Andrew France)

Sigh, sorry I appear to have used a bad formatter code and can't edit the ticket.

### #2 - 11/23/2011 05:45 AM - normalperson (Eric Wong)

- File 0001-random.c-random\_s\_rand-avoid-segfault-after-fork-rub.patch added

Attached patch should fix it (test cases included).

git users: git pull git://bogomips.org/ruby.git random-fork

Until the next Ruby release, Spork can workaround this by using "rand(4)" instead of "Random.rand(4)"

### #3 - 11/23/2011 11:20 AM - nahi (Hiroshi Nakamura)

formatting

### #4 - 03/11/2012 04:52 PM - ko1 (Koichi Sasada)

- Category set to core

- Assignee set to nahi (Hiroshi Nakamura)

### #5 - 03/12/2012 07:03 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r34977.

Andrew, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

- 
- random.c (random\_s\_rand): ensure default PRNG is re-initialized after fork. patched by Eric Wong. [ruby-core:41209][Bug [#5661](#)]

### #6 - 10/15/2012 02:10 AM - nobu (Nobuyoshi Nakada)

- Tracker changed from Bug to Backport

- Project changed from Ruby master to Backport193

- Category deleted (core)

- Status changed from Closed to Assigned

- Assignee changed from nahi (Hiroshi Nakamura) to usa (Usaku NAKAMURA)

### #7 - 10/16/2012 10:55 AM - usa (Usaku NAKAMURA)

- Status changed from Assigned to Closed

This issue was solved with changeset [r37208](#).

Andrew, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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merge revision(s) 34977: [Backport [#5661](#)]

```
* random.c (random_s_rand): ensure default PRNG is re-initialized
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### Files

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rspec.saved	263 KB	11/23/2011	Odaeus (Andrew France)
0001-random.c-random_s_rand-avoid-segfault-after-fork-rub.patch	1.89 KB	11/23/2011	normalperson (Eric Wong)