

Ruby - Bug #5990

Random Segmentation Fault when running on Linux Fedora

02/09/2012 07:10 PM - blairsilverberg (Blair Silverberg)

Status:	Third Party's Issue	
Priority:	Normal	
Assignee:	tenderlovmaking (Aaron Patterson)	
Target version:		
ruby -v:	1.9.2p290	Backport:
Description		
I am parsing a large library of html documents with ruby mechanize/nokogiri. Randomly, I encounter a segmentation fault.		
This happens on both ruby 1.9.2 (ruby 1.9.2p290 (2011-07-09 revision 32553) [x86_64-linux]) and 1.9.3 (ruby 1.9.3p0 (2011-10-30 revision 33570) [x86_64-linux])		
I am running Linux Fedora Laughlin 16 on rackspace		
Linux 2.6.35.6-45.fc14.x86_64 #1 SMP Mon Oct 18 23:57:44 UTC 2010 x86_64 x86_64 x86_64 GNU/Linux		
Fedora release 14 (Laughlin) Kernel \r on an \m (\l)		
/root/code/myteam/classes/profile_page_scraper.rb:116: [BUG] Segmentation fault ruby 1.9.2p290 (2011-07-09 revision 32553) [x86_64-linux]		
-- control frame -----		
c:0022 p:0010 s:0088 b:0086 l:000085 d:000085 METHOD		
/root/code/myteam/classes/profile_page_scraper.rb:116		
c:0021 p:0027 s:0082 b:0080 l:000079 d:000079 METHOD		
/root/code/myteam/classes/profile_page_scraper.rb:120		
c:0020 p:0017 s:0076 b:0074 l:001ed8 d:000073 BLOCK		
/root/code/myteam/classes/mysite_scraper.rb:115		
c:0019 p:0015 s:0069 b:0069 l:000059 d:000068 BLOCK		
/usr/local/rvm/gems/ruby-1.9.2-p290/gems/nokogiri-1.5.0/lib/nokogiri/xml/node_set.rb:		
239		
c:0018 p:---- s:0066 b:0066 l:000065 d:000065 FINISH		
c:0017 p:---- s:0064 b:0064 l:000063 d:000063 CFUNC :upto		
c:0016 p:0023 s:0060 b:0060 l:000059 d:000059 METHOD		
/usr/local/rvm/gems/ruby-1.9.2-p290/gems/nokogiri-1.5.0/lib/nokogiri/xml/node_set.rb:		
238		
c:0015 p:0924 s:0056 b:0056 l:001ed8 d:001ed8 METHOD		
/root/code/myteam/classes/mysite_scraper.rb:113		
c:0014 p:0032 s:0045 b:0045 l:000036 d:000044 BLOCK		
/root/code/myteam/scrape_user.rb:23		
c:0013 p:---- s:0042 b:0042 l:000041 d:000041 FINISH		
c:0012 p:---- s:0040 b:0040 l:000039 d:000039 CFUNC :each		
c:0011 p:0120 s:0037 b:0037 l:000036 d:000036 TOP		
/root/code/myteam/scrape_user.rb:21		
c:0010 p:---- s:0034 b:0034 l:000033 d:000033 FINISH		
c:0009 p:---- s:0032 b:0032 l:000031 d:000031 CFUNC :require		

c:0008 p:0036 s:0028 b:0028 l:000027 d:000027 METHOD
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/ruby/site_ruby/1.9.1/rubygems/custom_require.rb:36
c:0007 p:0056 s:0021 b:0021 l:000012 d:000020 BLOCK
/root/code/myteam/helpers/helpers.rb:7
c:0006 p:---- s:0018 b:0018 l:000017 d:000017 FINISH
c:0005 p:---- s:0016 b:0016 l:000015 d:000015 CFUNC :each
c:0004 p:0066 s:0013 b:0013 l:000012 d:000012 METHOD
/root/code/myteam/helpers/helpers.rb:5
c:0003 p:0050 s:0007 b:0007 l:0000b8 d:002340 EVAL ./scrape_user.rb:6
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:0000b8 d:0000b8 TOP

-- Ruby level backtrace information -----

./scrape_user.rb:6:in <main>' /root/code/myteam/helpers/helpers.rb:5:in require_all'
/root/code/myteam/helpers/helpers.rb:5:in each' /root/code/myteam/helpers/helpers.rb:7:in block in require_all'
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/ruby/site_ruby/1.9.1/rubygems/custom_require.rb:36:in require'
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/ruby/site_ruby/1.9.1/rubygems/custom_require.rb:36:in require'
/root/code/myteam/scrape_user.rb:21:in <top (required)>' /root/code/myteam/scrape_user.rb:21:in each'
/root/code/myteam/scrape_user.rb:23:in block in <top (required)>' /root/code/myteam/classes/mysite_scraper.rb:113:in scrape_user'
/usr/local/rvm/gems/ruby-1.9.2-p290/gems/nokogiri-1.5.0/lib/nokogiri/xml/node_set.rb:238:in each'
/usr/local/rvm/gems/ruby-1.9.2-p290/gems/nokogiri-1.5.0/lib/nokogiri/xml/node_set.rb:238:in upto'
/usr/local/rvm/gems/ruby-1.9.2-p290/gems/nokogiri-1.5.0/lib/nokogiri/xml/node_set.rb:239:in block in each'
/root/code/myteam/classes/mysite_scraper.rb:115:in block in scrape_user'
/root/code/myteam/classes/profile_page_scraper.rb:120:in get_my_url' /root/code/myteam/classes/profile_page_scraper.rb:116:in
get_my_id'

-- C level backtrace information -----

/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_vm_bugreport+0x5f) [0x7fc76ec380cf]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x60564) [0x7fc76eb17564]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_bug+0xb3) [0x7fc76eb18493]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x1143b5) [0x7fc76ebcb3b5]
/lib64/libpthread.so.0() [0x328540eeb0]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_method_entry_get_without_cache+0x20) [0x7fc76ec25750]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x176965) [0x7fc76ec2d965]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x176f5b) [0x7fc76ec2df5b]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_yield+0x47) [0x7fc76ec32e57]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0xaa161) [0x7fc76eb61161]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x17afa6) [0x7fc76ec31fa6]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x1710ee) [0x7fc76ec280ee]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x176f5b) [0x7fc76ec2df5b]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_yield+0x47) [0x7fc76ec32e57]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_ary_each+0x46) [0x7fc76eae6816]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x17afa6) [0x7fc76ec31fa6]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x1710ee) [0x7fc76ec280ee]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x176f5b) [0x7fc76ec2df5b]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_iseq_eval+0x1f0) [0x7fc76ec33340]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x6a0d0) [0x7fc76eb210d0]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_require_safe+0x6cf) [0x7fc76eb225cf]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x17afa6) [0x7fc76ec31fa6]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x1710ee) [0x7fc76ec280ee]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x176f5b) [0x7fc76ec2df5b]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_yield+0x47) [0x7fc76ec32e57]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_ary_each+0x46) [0x7fc76eae6816]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x17afa6) [0x7fc76ec31fa6]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x1710ee) [0x7fc76ec280ee]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x176f5b) [0x7fc76ec2df5b]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(rb_iseq_eval_main+0xb1) [0x7fc76ec33441]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(+0x66a1a) [0x7fc76eb1da1a]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(ruby_exec_node+0x1d) [0x7fc76eb1e88d]
/usr/local/rvm/rubies/ruby-1.9.2-p290/lib/libruby.so.1.9(ruby_run_node+0x1e) [0x7fc76eb20afe]

```
ruby(main+0x4b) [0x40091b]
/lib64/libc.so.6(__libc_start_main+0xfd) [0x3284c1ee5d]
ruby() [0x400809]
```

[NOTE]

You may have encountered a bug in the Ruby interpreter or extension libraries.

Bug reports are welcome.

For details: <http://www.ruby-lang.org/bugreport.html>

History

#1 - 02/10/2012 02:27 AM - naruse (Yui NARUSE)

- Status changed from Open to Feedback

Could you show a small reproducible code?

#2 - 10/31/2012 08:41 PM - mame (Yusuke Endoh)

- Status changed from Feedback to Assigned

- Assignee set to tenderlovmaking (Aaron Patterson)

Aaron, do you know anything?

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Yusuke Endoh mame@tsg.ne.jp

#3 - 11/02/2012 06:16 AM - tenderlovmaking (Aaron Patterson)

- Status changed from Assigned to Feedback

This is either a GC bug or a bug in Nokogiri. nari-san fixed GC bugs for us, but I'm not sure what patch level. Blair, can you try this with the latest 1.9.3 patch level? If there is still a problem on 1.9.3, then it's probably a bug in Nokogiri.

#4 - 01/26/2013 06:52 AM - drbrain (Eric Hodel)

- Status changed from Feedback to Third Party's Issue

Due to lack of feedback I'm marking this as third party issue. No mention of a bug in ruby has been made.