

Ruby - Bug #4350

Segmentation fault and Bus Error

01/31/2011 06:34 PM - qianthinking (Leon Li)

Status: Rejected Priority: Normal Assignee: Target version: 1.9.2 ruby -v: ruby 1.9.2p136 (2010-12-25 revision 30365) [x86_64-linux]	Backport:
Description =begin My server crashes 0-4 times a day with segmentation faults. The fault seems related to activerecord transaction, but it is not always a same spot, so the attached are just examples of some occurrence. The application is a tcp server base on eventmachine. Ruby compiled from rvm, ruby-1.9.2-p0 and ruby-1.9.2-p136 System info: Linux foo 2.6.31-gentoo-r6 #1 SMP Wed Dec 23 08:10:43 CST 2009 x86_64 Intel(R) Xeon(R) CPU E5520 @ 2.27GHz GenuineIntel GNU/Linux Brief of logs segfault1.ruby-1.9.2-p0.log /usr/local/rvm/gems/ruby-1.9.2-p0/gems/mysql2-0.2.6/lib/active_record/connection_adapters/mysql2_adapter.rb:314: [BUG] Segmentation fault segfault2.ruby-1.9.2-p0.log /usr/local/rvm/gems/ruby-1.9.2-p0/gems/activemodel-3.0.3/lib/active_model/attribute_methods.rb:327: [BUG] Segmentation fault segfault3.ruby-1.9.2-p0.log /usr/local/rvm/gems/ruby-1.9.2-p0/gems/mysql2-0.2.6/lib/active_record/connection_adapters/mysql2_adapter.rb:314: [BUG] Bus Error segfault1.ruby-1.9.2-p136.log /usr/local/rvm/gems/ruby-1.9.2-p136/gems/mysql2-0.2.6/lib/active_record/connection_adapters/mysql2_adapter.rb:310: [BUG] Segmentation fault segfault2.ruby-1.9.2-p136.log /usr/local/rvm/gems/ruby-1.9.2-p136/gems/activerecord-3.0.3/lib/active_record/connection_adapters/abstract/connection_pool.rb:242 : [BUG] Segmentation fault segfault3.ruby-1.9.2-p136.log /path_to_server/2011-01-30_231948/config/initializers/encoding.rb:12: [BUG] Segmentation fault content of /path_to_server/2011-01-30_231948/config/initializers/encoding.rb 1 #workaround for "incompatible character encodings: UTF-8 and ASCII-8BIT" 2 #due to "[]" + [23423424234].pack("G") 3 4 unless SERVER_TYPE == 'proxy' 5 Encoding.default_external = Encoding::UTF_8 if RUBY_VERSION > "1.9" 6 if RUBY_VERSION > '1.9' 7 String.class_eval do 8 alias_method :quick_append, :<< unless method_defined? :quick_append 9 alias_method :quick_add, :+ unless method_defined? :quick_add 10 def <<(str) 11 str.force_encoding("UTF-8") unless str.frozen? 12 self.quick_append str 13 end 14 def +(str) 15 str.force_encoding("UTF-8") unless str.frozen?	

```

16     self.quick_add str
17   end
18 end
19 StringIO.class_eval do
20   alias_method :quick_write, :write unless method_defined? :quick_write
21   def write(str)
22     str.force_encoding("UTF-8") unless (!str.is_a? String) || str.frozen?
23     self.quick_write str
24   end
25 end
26
27 else
28   String.class_eval do
29     def force_encoding(encode)
30       self
31     end
32   end
33 end
34 Fixnum.class_eval do
35   alias_method :quick_to_s, :to_s unless method_defined? :quick_to_s
36   def force_encoding(encode)
37     self
38   end
39   def to_s(base=10)
40     quick_to_s(base).force_encoding("UTF-8")
41   end
42 end
43 Array.class_eval do
44   alias_method :quick_pack, :pack unless method_defined? :quick_pack
45   def pack(*args)
46     quick_pack(*args).force_encoding("UTF-8")
47   end
48 end
49 end
=end

```

History

#1 - 01/31/2011 06:37 PM - qianthinking (Leon Li)

```

=begin
It seems related to #2295
=end

```

#2 - 06/26/2011 05:32 PM - naruse (Yui NARUSE)

- Status changed from Open to Feedback

Would you show a small reproducible code?

#3 - 10/31/2012 12:02 AM - mame (Yusuke Endoh)

- Status changed from Feedback to Rejected

Sorry but I'm closing this ticket because it is too clueless.
I guess eventmachine is involved to this issue, but I can make no hypothesis any more.
Feel free to reopen this if you have any clue.

--
Yusuke Endoh mame@tsg.ne.jp

Files

segfault3.ruby-1.9.2-p136.log	12.7 KB	01/31/2011	qianthinking (Leon Li)
segfault1.ruby-1.9.2-p0.log	6.62 KB	01/31/2011	qianthinking (Leon Li)
segfault2.ruby-1.9.2-p0.log	8.21 KB	01/31/2011	qianthinking (Leon Li)
segfault3.ruby-1.9.2-p0.log	6.61 KB	01/31/2011	qianthinking (Leon Li)
segfault1.ruby-1.9.2-p136.log	4.54 KB	01/31/2011	qianthinking (Leon Li)

