

Ruby trunk - Bug #7672

Segmentation faults with `ibm_db` gem on three versions of 1.9.3 on MacOS X and Ubuntu

01/08/2013 07:11 AM - kgerrard (Ken Gerrard)

Status:	Third Party's Issue	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	1.9.3	Backport:
Description		
<p>=begin</p> <p>I have a DB2-backed Rails 3.1 project I'm looking to update to 3.2, which means I have to use a newer version of the <code>ibm_db</code> gem. I have no problem running a server with the newer gem, but the intensive Cucumber tests inevitably result in a segmentation fault. I can detect no pattern to where the crashes occur.</p> <p>I'm posting here (()). I'm hesitant because I read the (()) page and I don't have reproducing code as required, since the segmentation faults happen in different places.</p> <p>Sometimes instead of a segmentation fault, the process just hangs indefinitely.</p> <p>I've gathered and attached logs from all combinations of the following:</p> <ul style="list-style-type: none">• OSes: MacOS X 10.8.2, Ubuntu 12.10• Ruby 1.9.3: p194, p286, p327• <code>ibm_db</code> gem: 2.5.9, 2.5.11 <p>Looks like I can't attach more than ten files at once, I'll attach the MacOS logs separately.</p> <p>I also have Ubuntu core dumps if that helps, too big to attach.</p> <p>Here is a sampling of crashes under 1.9.3-p194 on MacOS X:</p> <pre>/Users/username/.rvm/gems/ruby-1.9.3-p194/gems/activemodel-3.2.8/lib/active_model/attribute_methods.rb:431: [BUG] Segmentation fault /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:414: [BUG] Segmentation fault /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/activesupport-3.2.8/lib/active_support/core_ext/class/attribute.rb:98: [BUG] Segmentation fault /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/cucumber-1.1.2/lib/cucumber/ast/step_invocation.rb:59: cfp consistency error - send /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/ibm_db-2.5.10/lib/active_record/connection_adapters/ibm_db_adapter.rb:1929: METHOD[BUG] /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/ibm_db-2.5.10/lib/active_record/connection_adapters/ibm_db_adapter.rb:1929: [BUG] Segmentation fault /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/json-1.7.5/lib/json/common.rb:155: [BUG] Segmentation fault /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/sprockets-2.1.3/lib/sprockets/caching.rb:46: [BUG] Segmentation fault /Users/username/.rvm/gems/ruby-1.9.3-p194/gems/thin-1.3.1/lib/thin/headers.rb:27: [BUG] Segmentation fault /Users/username/.rvm/rubies/ruby-1.9.3-p194/lib/ruby/1.9.1/securerandom.rb:140: [BUG] Segmentation fault /Users/username/.rvm/rubies/ruby-1.9.3-p194/lib/ruby/1.9.1/time.rb:499: [BUG] object allocation during garbage collection phase /Users/username/.rvm/rubies/ruby-1.9.3-p194/lib/ruby/1.9.1/webrick/httprequest.rb:174: [BUG] cfp consistency error - call0 /Users/username/.rvm/rubies/ruby-1.9.3-p194/lib/ruby/1.9.1/webrick/httprequest.rb:399: [BUG] probable buffer overflow: 32 for 23 /Users/username/.rvm/rubies/ruby-1.9.3-p194/lib/ruby/1.9.1/webrick/httpversion.rb:30: [BUG] object allocation during garbage collection phase /Users/username/.rvm/rubies/ruby-1.9.3-p194/lib/ruby/1.9.1/webrick/log.rb:71: [BUG] Segmentation fault /Users/username/.rvm/rubies/ruby-1.9.3-p194/lib/ruby/1.9.1/webrick/utis.rb:214: [BUG] Segmentation fault</pre> <p>In case the above is inadequate, the outputs of (<code>ruby -v</code>) for each version on each OS:</p> <p>MacOS X:</p> <ul style="list-style-type: none">• (<code>ruby 1.9.3p194 (2012-04-20 revision 35410) [x86_64-darwin12.2.1]</code>)• (<code>ruby 1.9.3p286 (2012-10-12 revision 37165) [x86_64-darwin12.2.1]</code>)		

- ({{ruby 1.9.3p327 (2012-11-10 revision 37606) [x86_64-darwin12.2.1]}})

Ubuntu:

- ({{ruby 1.9.3p194 (2012-04-20 revision 35410) [x86_64-linux]}})
- ({{ruby 1.9.3p286 (2012-10-12 revision 37165) [x86_64-linux]}})
- ({{ruby 1.9.3p327 (2012-11-10 revision 37606) [x86_64-linux]}})

Let me know if you need anything else! I'm definitely available to provide further logs and whatever is necessary to work through this.
=end

History

#1 - 01/08/2013 07:15 AM - kgerrard (Ken Gerrard)

- File macos-ibm_db-2.5.9-ruby-1.9.3-p327.crash added
- File macos-ibm_db-2.5.9-ruby-1.9.3-p194-console.txt added
- File macos-ibm_db-2.5.9-ruby-1.9.3-p194.crash added
- File macos-ibm_db-2.5.9-ruby-1.9.3-p286-console.txt added
- File macos-ibm_db-2.5.9-ruby-1.9.3-p286.crash added
- File macos-ibm_db-2.5.9-ruby-1.9.3-p327-console.txt added

Here are the MacOS logs for ibm_db 2.5.9.

#2 - 01/08/2013 07:18 AM - kgerrard (Ken Gerrard)

- File macos-ibm_db-2.5.11-ruby-1.9.3-p194-console.txt added
- File macos-ibm_db-2.5.11-ruby-1.9.3-p194.crash added
- File macos-ibm_db-2.5.11-ruby-1.9.3-p286-console.txt added
- File macos-ibm_db-2.5.11-ruby-1.9.3-p286.crash added
- File macos-ibm_db-2.5.11-ruby-1.9.3-p327-console.txt added
- File macos-ibm_db-2.5.11-ruby-1.9.3-p327.crash added

And the MacOS logs for ibm_db 2.5.11.

#3 - 01/08/2013 08:00 AM - kosaki (Motohiro KOSAKI)

If the problem only occur when using ibm_db gem, only IBM have a chance to help you. Please don't think we have ESP, please don't expect we can consult IBM product. Sorry, I don't think we can help you.

#4 - 01/08/2013 09:56 AM - usa (Usaku NAKAMURA)

- Status changed from Open to Third Party's Issue

#5 - 01/08/2013 11:32 AM - kgerrard (Ken Gerrard)

Yeah, I understand, that's what I thought would happen but I posted here at the IBM person's insistence. Oh well! Thanks.

#6 - 07/12/2013 02:06 PM - praveend (Praveen Devarao)

Hi,

I am now able to reproduce this issue on my system too, while running the Rails 4 test suite. I see that the error is turning out in different places during different runs. Could you kindly let me know what causes cfp consistency error so that I can see if there is something in the ibm_db driver that is triggering this issue.

Refer to this forum post, <https://www.ruby-forum.com/topic/4415496#new> . I have attached the trace file too.

Thanks

Praveen

#7 - 07/12/2013 03:24 PM - praveend (Praveen Devarao)

- File trace2.txt added

I upgraded to ruby 193 p429 and still see the cfp consistency error....I am attaching the new trace file too....

Thanks

Praven

Files

ubuntu-ibm_db-2.5.11-ruby-1.9.3-p327-console.txt	302 KB	01/08/2013	kgerrard (Ken Gerrard)
ubuntu-ibm_db-2.5.9-ruby-1.9.3-p194-console.txt	287 KB	01/08/2013	kgerrard (Ken Gerrard)
ubuntu-ibm_db-2.5.9-ruby-1.9.3-p286-console.txt	296 KB	01/08/2013	kgerrard (Ken Gerrard)
ubuntu-ibm_db-2.5.9-ruby-1.9.3-p327-console.txt	291 KB	01/08/2013	kgerrard (Ken Gerrard)
ubuntu-ibm_db-2.5.11-ruby-1.9.3-p194-console.txt	296 KB	01/08/2013	kgerrard (Ken Gerrard)
ubuntu-ibm_db-2.5.11-ruby-1.9.3-p286-console.txt	290 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.9-ruby-1.9.3-p327.crash	24.8 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.9-ruby-1.9.3-p194-console.txt	193 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.9-ruby-1.9.3-p194.crash	27.3 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.9-ruby-1.9.3-p286-console.txt	183 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.9-ruby-1.9.3-p286.crash	26.9 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.9-ruby-1.9.3-p327-console.txt	190 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.11-ruby-1.9.3-p327.crash	32.9 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.11-ruby-1.9.3-p194-console.txt	194 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.11-ruby-1.9.3-p194.crash	27.2 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.11-ruby-1.9.3-p286-console.txt	194 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.11-ruby-1.9.3-p286.crash	31.4 KB	01/08/2013	kgerrard (Ken Gerrard)
macos-ibm_db-2.5.11-ruby-1.9.3-p327-console.txt	193 KB	01/08/2013	kgerrard (Ken Gerrard)
trace2.txt	132 KB	07/12/2013	praveend (Praveen Devarao)