

Ruby master - Bug #9759

[TracePoint API] return event missing when raising exception

04/19/2014 12:08 PM - deivid (David Rodríguez)

Status: Closed	
Priority: Normal	
Assignee: ko1 (Koichi Sasada)	
Target version:	
ruby -v: https://github.com/thoughtbot/factory_girl/blob/master/lib/factory_girl/strategy_synt_ax_method_registrar.rb	Backport: 2.0.0: REQUIRED, 2.1: DONE

Description

I think I found another bug in the TracePoint API, which seems related to [#9321](#). In this case, the failing event is a return event from a method inside of which the exception was generated.

I wrote a failing test case, adapting the code from [factory_girl](#), which is where I first found the strange behaviour.

Thanks a lot in advance!

Associated revisions

Revision ba6b0acd - 04/30/2014 09:08 AM - ko1 (Koichi Sasada)

- vm.c (invoke_block_from_c): add VM_FRAME_FLAG_BMETHOD to record it is bmethod frame.
- vm.c (vm_exec): invoke RUBY_EVENT_RETURN event if rollbacked frame is VM_FRAME_FLAG_BMETHOD. [Bug #9759]
- test/ruby/test_settracefunc.rb: add a test for TracePoint/set_trace_func.
- vm_core.h: renmae rb_thread_t::passed_me to rb_thread_t::passed_bmethod_me to clarify the usage.
- vm_inshelper.c (vm_call_bmethod_body): use renamed member.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@45758 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 45758 - 04/30/2014 09:08 AM - ko1 (Koichi Sasada)

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Revision 86f8f5d9 - 05/12/2014 01:49 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) r45758,r45759: [Backport #9759]

- * vm.c (invoke_block_from_c): add VM_FRAME_FLAG_BMETHOD to record it is bmethod frame.
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@45928 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 45928 - 05/12/2014 01:49 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) r45758,r45759: [Backport #9759]

- * vm.c (invoke_block_from_c): add VM_FRAME_FLAG_BMETHOD to record it is bmethod frame.
- * vm.c (vm_exec): invoke RUBY_EVENT_RETURN event if rollbacked frame is VM_FRAME_FLAG_BMETHOD. [Bug #9759]
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- * vm_inshelper.c (vm_call_bmethod_body): use renamed member.

History

#1 - 04/19/2014 01:11 PM - deivid (David Rodríguez)

Also, I'm not sure whether those [:b_call, :create] and [:b_return, :create] events should be emitted at all. The block is run when defining the method, not when running it... Right?

#2 - 04/29/2014 02:06 PM - deivid (David Rodríguez)

Bump, [ko1 \(Koichi Sasada\)](#)?

#3 - 04/30/2014 07:15 AM - ko1 (Koichi Sasada)

- Category set to core

- Assignee set to ko1 (Koichi Sasada)

#4 - 04/30/2014 09:08 AM - ko1 (Koichi Sasada)

- % Done changed from 0 to 100

- Status changed from Open to Closed

Applied in changeset r45758.

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#5 - 04/30/2014 09:18 AM - ko1 (Koichi Sasada)

- Backport changed from 2.0.0: UNKNOWN, 2.1: UNKNOWN to 2.0.0: UNKNOWN, 2.1: REQUIRED

It can be reproduced by the following code:

```
class C9759
  define_method(:foo) {
    raise
  }
end
```

```
events = []
obj = C9759.new
TracePoint.new(:call, :return) {|tp|
  events << [tp.event, tp.method_id]
}.enable {
  obj.foo rescue nil
}
p events
```

I hope this fix will be applied to 2.1.

#6 - 04/30/2014 10:34 AM - deivid (David Rodríguez)

Thanks!! So happy that this got fixed!! I hope it'll be added to 2.1 too.

#7 - 05/12/2014 01:50 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.0.0: UNKNOWN, 2.1: REQUIRED to 2.0.0: UNKNOWN, 2.1: DONE

r45758 and r45759 were backported into ruby_2_1 branch at r45928.

#8 - 05/24/2014 03:03 AM - deivid (David Rodríguez)

Hi @Tomoyuki, thanks a lot for backporting this. May I ask for backport of r44535 as well? It's a related fix and it would really improve byebug's quality and other programs using the tracepoint api.

Furthermore, both revisions would also be needed in the 2.0 branch.

Thanks a lot!!

#9 - 06/19/2014 05:27 AM - nagachika (Tomoyuki Chikanaga)

Hello, David.

Sorry for late response.

I'll handle about r44535 at [#9321](#).

Thank you for your notice!

#10 - 06/23/2014 10:43 PM - deivid (David Rodríguez)

Hi Tomoyuki! I'll follow up at [#9321](#) then. What about backports to 2.0 branch?

Thanks a lot!

#11 - 07/07/2014 02:40 AM - usa (Usaku NAKAMURA)

- Backport changed from 2.0.0: UNKNOWN, 2.1: DONE to 2.0.0: REQUIRED, 2.1: DONE

r45758 is not enough to resolve this problem for ruby_2_0_0.

But I cannot find what is missing.

ko1, do you have any idea?

#12 - 07/14/2014 01:31 PM - deivid (David Rodríguez)

Yes, maybe he is aware of this because he only asked for backport to the 2.1 branch. Can you help us, ko1?

#13 - 08/31/2014 07:12 AM - usa (Usaku NAKAMURA)

- *Status changed from Closed to Assigned*

(reminder)

#14 - 12/03/2014 08:21 AM - deivid (David Rodríguez)

Did you get the chance to have a look at this, ko1? Thanks!

#15 - 01/05/2018 09:00 PM - naruse (Yui NARUSE)

- *Target version deleted (2.2.0)*

#16 - 08/11/2019 05:50 PM - jeremyevans0 (Jeremy Evans)

- *Status changed from Assigned to Closed*

Files

tracepoint_missing_return_bug.rb	1.37 KB	04/19/2014	deivid (David Rodríguez)
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