

Ruby - Bug #13425

Tracer.on SystemStackError Segmentation fault

04/12/2017 05:31 AM - masato_hi (Masato Hi)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.4.0p0 (2016-12-24 revision 57164) [x86_64-darwin16]	Backport: 2.2: UNKNOWN, 2.3: DONE, 2.4: DONE

Description

Ruby2.4.0, 2.4.1 SystemStackError: stack level too deep Tracer Segmentation fault

Segmentation fault

```
require 'tracer'

Tracer.on

class HogeError < StandardError
  def to_s
    message
  end
end

HogeError.new.to_s #=> Segmentation fault

(0.10.4), pry-byebug (3.4.2) pry #0: (0.10.4)

require 'tracer'

Tracer.on

def hoge
  hoge
end

hoge #=> freeze or infinite loop

Ruby 2.3.0 2.3.1


```

macOS 10.12, Debian 8.6

Related issues:	
Has duplicate Ruby - Bug #13432: set_trace_func proc->is_from_method = TRUE...	Closed

Associated revisions

Revision 38174633e23737bb711ab6d38856979b327d175c - 04/13/2017 07:38 AM - nobu (Nobuyoshi Nakada)

thread.c: disable VM events when stack overflow

- thread.c (ruby_thread_stack_overflow): disable VM events when stack overflow occurred; it causes another stack overflow again in making backtrace object, and crashes.
[ruby-core:80662] [Bug #13425]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@58334 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38174633 - 04/13/2017 07:38 AM - nobu (Nobuyoshi Nakada)

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Revision 75b1146985c30a4981c55e2d3e5458c686c63fe6 - 06/30/2017 12:21 PM - U.Nakamura

merge revision(s) 58334,58346,58349: [Backport #13425] [Backport #13432]

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* thread.c (ruby_thread_stack_overflow): disable VM events when stack overflow occurred; it causes another stack overflow again in making backtrace object, and crashes.
[ruby-core:80662] [Bug #13425]
increase timeout seconds.

* test/ruby/test_trace.rb (test_trace_stackoverflow): on some platforms this test fails because of timeout.

disable rewind hooks.

* vm.c (hook_before_rewind): skip rewind hooks if err is SystemStackError because rewind hooks can cause stack overflow again and again.

* thread.c (ruby_thread_stack_overflow): do not disable all hooks. Additionally, clearing ruby_vm_event_flags is not suitable way to disable hooks.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@59232 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 75b11469 - 06/30/2017 12:21 PM - U.Nakamura

merge revision(s) 58334,58346,58349: [Backport #13425] [Backport #13432]

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Revision 5528c18ded7f3f469007aa4238b12f182a888873 - 07/09/2017 07:49 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 58334,58346,58349: [Backport #13425] [Backport #13432]

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59297 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 5528c18d - 07/09/2017 07:49 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 58334,58346,58349: [Backport #13425] [Backport #13432]

```
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[ruby-core:80662] [Bug #13425]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59297 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 04/12/2017 05:54 AM - masato_hi (Masato Hi)

- ruby -v changed from 2.4.0, 2.4.1 to ruby 2.4.0p0 (2016-12-24 revision 57164) [x86_64-darwin16]

#2 - 04/13/2017 07:38 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset trunk|r58334.

thread.c: disable VM events when stack overflow

- thread.c (ruby_thread_stack_overflow): disable VM events when stack overflow occurred; it causes another stack overflow again in making backtrace object, and crashes.
[\[ruby-core:80662\]](#) [Bug [#13425](#)]

#3 - 04/30/2017 12:32 PM - usa (Usaku NAKAMURA)

- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN to 2.2: UNKNOWN, 2.3: REQUIRED, 2.4: REQUIRED

#4 - 06/16/2017 08:14 AM - nobu (Nobuyoshi Nakada)

- Has duplicate Bug #13432: set_trace_func proc->is_from_method = TRUE [SystemStackError] RubyVM added

#5 - 06/30/2017 12:21 PM - usa (Usaku NAKAMURA)

- Backport changed from 2.2: UNKNOWN, 2.3: REQUIRED, 2.4: REQUIRED to 2.2: UNKNOWN, 2.3: DONE, 2.4: REQUIRED

ruby_2_3 r59232 merged revision(s) 58334,58346,58349.

#6 - 07/09/2017 07:49 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.2: UNKNOWN, 2.3: DONE, 2.4: REQUIRED to 2.2: UNKNOWN, 2.3: DONE, 2.4: DONE

ruby_2_4 r59297 merged revision(s) 58334,58346,58349.

Files

Untitled.png	441 KB	04/12/2017	masato_hi (Masato Hi)
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