

## Ruby master - Bug #14566

### `raise` in `Exception#message` causes infinite loop

03/02/2018 12:36 AM - pocke (Masataka Kuwabara)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 2.6.0dev (2018-03-01 trunk 62592) [x86_64-linux]	<b>Backport:</b> 2.3: DONTNEED, 2.4: DONTNEED, 2.5: DONE

#### Description

This code does not stop.

```
class A < StandardError
  def message
    raise
  end
end
```

```
raise A
```

The following code also does not stop.

```
class A < StandardError
  def message
    1/0
  end
end
```

```
raise A
```

And they ignore CTRL-C, so I should do CTRL-Z (suspend) and kill -9 to stop them.

I confirmed the problem in Ruby 2.5 and trunk.

```
$ ruby -v
ruby 2.5.0p0 (2017-12-25 revision 61468) [x86_64-linux]
```

```
$ ruby -v
ruby 2.6.0dev (2018-03-01 trunk 62592) [x86_64-linux]
```

But Ruby 2.4 and 2.3 do not stop (I does not have Ruby 2.2 because I cannot build it in my environment.).  
I can get same outputs between raise and 1/0 in the message method body.

```
$ ruby -v test.rb
ruby 2.4.3p205 (2017-12-14 revision 61247) [x86_64-linux]
test.rb:7:in `': A
```

```
$ ruby -v test.rb
ruby 2.3.6p384 (2017-12-14 revision 61254) [x86_64-linux]
test.rb:7:in `': A
```

#### Associated revisions

##### Revision aa2b32ae - 04/11/2018 08:03 AM - nobu (Nobuyoshi Nakada)

eval\_error.c: fix loop on exception in message

- error.c (rb\_get\_message): accessor to the message.
- eval\_error.c (rb\_ec\_error\_print): handle exceptions on fetching the message. [Bug #14566]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63133 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### Revision 63133 - 04/11/2018 08:03 AM - nobu (Nobuyoshi Nakada)

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#### Revision 78e4b57c - 08/12/2018 10:37 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 63133: [Backport #14566]

```
eval_error.c: fix loop on exception in message

* error.c (rb_get_message): accessor to the message.

* eval_error.c (rb_ec_error_print): handle exceptions on fetching
the message. [Bug #14566]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_5@64319 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### Revision 64319 - 08/12/2018 10:37 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 63133: [Backport #14566]

```
eval_error.c: fix loop on exception in message

* error.c (rb_get_message): accessor to the message.

* eval_error.c (rb_ec_error_print): handle exceptions on fetching
the message. [Bug #14566]
```

## History

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### #1 - 04/10/2018 12:55 PM - ujihisa (Tatsuhiko Ujihisa)

- File *fix-bug-14566.patch* added

I tried making a patch fixing this issue. See attached.

This patch makes the behaviour similar to the old Ruby, rescuing any exceptions in the "message" method, but also warns that an exception was automatically caught.

I'm not 100% sure if this is the solution that everyone wants. Also the test in the patch needs an update; I wasn't sure how to make sure if it's not causing infinite loop. I just left a draft as a comment there.

### #2 - 04/11/2018 07:08 AM - nobu (Nobuyoshi Nakada)

Thank you, I've missed the report mail.  
I think it fatal.

### #3 - 04/11/2018 08:00 AM - nobu (Nobuyoshi Nakada)

- Backport changed from 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN to 2.3: DONTNEED, 2.4: DONTNEED, 2.5: REQUIRED

It should work as well as 2.4, not fatal.

### #4 - 04/11/2018 08:03 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset [trunk|r63133](#).

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- eval\_error.c (rb\_ec\_error\_print): handle exceptions on fetching the message. [Bug [#14566](#)]

**#5 - 04/11/2018 08:08 AM - ujihisa (Tatsuhiko Ujihisa)**

Thx!

**#6 - 08/12/2018 10:37 AM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.3: DONTNEED, 2.4: DONTNEED, 2.5: REQUIRED to 2.3: DONTNEED, 2.4: DONTNEED, 2.5: DONE

ruby\_2\_5 r64319 merged revision(s) 63133.

## Files

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fix-bug-14566.patch	1.75 KB	04/10/2018	ujihisa (Tatsuhiko Ujihisa)
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