

Ruby master - Bug #12278

Sometimes I have segmentation fault with procs reducer

04/13/2016 06:28 PM - newmen (Gleb Averchuk)

Status:	Closed		
Priority:	Normal		
Assignee:			
Target version:			
ruby -v:	ruby 2.3.0p0 (2015-12-25 revision 53290) [x86_64-darwin15]	Backport:	2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN

Description

Hello,

Sometimes I have segmentation fault for code like:

```
# /Users/newmen/projects/versatile-diamond/analyzer/lib/modules/procs_reducer.rb:35

8 # Combines passed procs to one function
9 # @param [Array] procs which will be combined
10 # @yield returns heart of combination result
11 # @return [Proc] the general function which contains calls of all other nested
12 def reduce_procs(procs, &deepest_block)
13   procs.reverse.reduce(deepest_block) do |acc, block|
14     -> { block[&acc] }
15   end
16 end
17
18 # Calls combined procs as one function
19 # @param [Array] procs which will be combined
20 # @yield returns heart of combination result
21 # @return [Object]
22 def call_procs(procs, &block)
23   reduce_procs(procs, &block).call
24 end
25
26 # Collects procs which nests each other, after than calls combined procedure
27 # @param [Proc] deepest_block the block for the deepest call
28 # @yield [Symbol, Array, Hash] nests the some method call
29 # @return [Object] the result of deepest block call
30 def inlay_procs(deepest_block, &block)
31   procs = []
32   nest = -> method_name, *args, **kwargs do
33     procs <<
34       if kwargs.empty?
35         -> &prc { send(method_name, *args, &prc) }
36       else
37         -> &prc { send(method_name, *args, **kwargs, &prc) }
38       end
39     end
40   end
41   block[nest]
42   call_procs(procs, &deepest_block)
43 end
```

Console report and crash log files are attached.

Both attached source files were written about 2 years ago.

History

#1 - 04/20/2016 07:18 AM - nobu (Nobuyoshi Nakada)

Seems a GC bug of a Proc created by Symbol#to_proc.

I suspect that it is a fixed bug, but can't find the ticket now.

#2 - 04/20/2016 08:36 AM - windwiny (wind winy)

Did you had use jemalloc compile ruby?

#3 - 04/21/2016 06:06 PM - newmen (Gleb Averchuk)

wind winy wrote:

Did you had use jemalloc compile ruby?

I've installed Ruby using RVM

#4 - 04/30/2016 07:33 PM - ko1 (Koichi Sasada)

Do you have easy reproducible code which we can try?

#5 - 04/30/2016 10:42 PM - newmen (Gleb Averchuk)

- *Subject changed from Sometimes I have segmentation fault with props reducer to Sometimes I have segmentation fault with procs reducer*

#6 - 04/30/2016 11:09 PM - newmen (Gleb Averchuk)

Koichi Sasada wrote:

Do you have easy reproducible code which we can try?

The error has occurred suddenly everytime. Almost always, I got it during RSpec tests run. Before, I was not able to write a simple example for provoke an error. Also, I have noted that on 2.2.4 the error does not occur, and since then I use it. But now, following your request, I will continue to use 2.3.0 intentionally to catch the error and extract the simple reproducing code. I'll let you know if I will find it.

#7 - 07/24/2019 07:04 PM - jeremyevans0 (Jeremy Evans)

- *Status changed from Open to Closed*

Files

report.log	107 KB	04/13/2016	newmen (Gleb Averchuk)
ruby_2016-04-13-205136_primemind.crash	27.4 KB	04/13/2016	newmen (Gleb Averchuk)
procs_reducer.rb	1.44 KB	04/13/2016	newmen (Gleb Averchuk)
minuend_spec.rb	5.43 KB	04/13/2016	newmen (Gleb Averchuk)