

Ruby - Bug #2729

`unexpected break' occurs when a proc is called in ensure

02/10/2010 04:34 AM - nobu (Nobuyoshi Nakada)

Status:	Closed	
Priority:	Normal	
Assignee:	ko1 (Koichi Sasada)	
Target version:	1.9.3	
ruby -v:	-	
Backport:		
Description		
=begin Reproducing code:		
<pre>class Bug include Enumerable def each begin yield :foo ensure proc {}.call end end end e = Bug.new p e.detect{true} # => :foo p e.any?{true} # => true p e.all?{false} # => false p e.include?(:foo) # => true</pre>		
All work expectedly if no Proc#call, but all occurs `unexpected break' with it.		
=end		

Associated revisions

Revision 382ed428 - 08/24/2011 11:27 PM - ko1 (Koichi Sasada)

- vm.c (vm_make_env_each): work around to solve Bug #2729.
fixes: Bug #2729
a patch from Kazuki Tsujimoto kazuki@calcc.net
This problem is caused by changing dfp (dynamic env pointer) from saved dfp. Saved dfp is pointed env in VM stack. However, the dfp can be moved because VM copies env from VM stack to the heap. At this copying, dfp was also changed. To solve this problem, I'll try to change throw mechanism (not save target dfp, but save target cfp).
- bootstraptest/test_flow.rb: add a test for above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@33063 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision ef039de5 - 08/24/2011 11:37 PM - ko1 (Koichi Sasada)

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33064 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 02/10/2010 04:43 AM - nobu (Nobuyoshi Nakada)

=begin
Hi,

At Wed, 10 Feb 2010 04:36:18 +0900,
Nobuyoshi Nakada wrote in [\[ruby-core:28132\]](#):

Bug [#2729](#): `unexpected break' occurs when a proc is called in ensure

Test case.

Index: bootstraptest/test_flow.rb

```
--- bootstraptest/test_flow.rb (revision 26629)
+++ bootstraptest/test_flow.rb (working copy)
@@ -518,4 +518,17 @@ @@ assert_equal %Q{ENSURE\n}, %q{
end
e = Bug2728.new
+}},

  • \[ruby-core:28132\], %q{
  • class Bug2729
  • include Enumerable
  • def each

  • 
  • 
  • 
  • 
  • 

  • end
  • end
  • e = Bug2729.new
    }}.each do |bug, src|
      assert_equal "foo", src + %q{e.detect {true}}, bug
    end

--
Nobu Nakada

=end
```

#2 - 02/21/2010 07:21 PM - wanabe (_ wanabe)

- *File proc_in_ensure.patch added*

=begin
This patch prevent the exception.
I know it's not a fundamental solution, but I hope it will help for finding a bug.
=end

#3 - 06/26/2011 02:43 PM - naruse (Yui NARUSE)

- *Status changed from Open to Assigned*
- *Assignee set to ko1 (Koichi Sasada)*

#4 - 06/26/2011 02:44 PM - naruse (Yui NARUSE)

- *Target version changed from 2.0.0 to 1.9.3*

#5 - 07/31/2011 10:58 AM - ktsj (Kazuki Tsujimoto)

- *File rewrite-dfp-in-errinfo.txt added*

A patch fixing the problem is attached, but it might be only a workaround.

#6 - 08/25/2011 08:23 AM - ko1 (Koichi Sasada)

- ruby -v changed from ruby 1.9.2dev (2010-02-10 trunk 26629) [x86_64-darwin9.0] to -

(2011/07/30 18:58), Kazuki Tsujimoto wrote:

A patch fixing the problem is attached, but it might be only a workaround.

Thank you. I'll apply this patch for 1.9.3 and trunk.

To solve it, I'll change the vm_throw mechanism on trunk (not throw dfp, but throw cfp).

BTW, vm_throw() is toooo complicated.

Regards,
Koichi

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// SASADA Koichi at atdot dot net

#7 - 08/25/2011 08:37 AM - ko1 (Koichi Sasada)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r33064.

Nobuyoshi, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

-
- vm.c (vm_make_env_each): work around to solve Bug [#2729](#).
fixes: Bug [#2729](#)
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 - bootstraptest/test_flow.rb: add a test for above.

#8 - 07/29/2012 06:31 AM - Igierrth (Lars Gierth)

=begin

This patch doesn't seem to have landed in 1.9.2 and 1.9.3. Can someone backport it?

\$ git checkout trunk

\$ git log --oneline | grep 33064

a09e713 * proc.c (proc_new): force to rewrite errinfo when calling Proc.new in ensure. [Bug #5234] [\[ruby-core:39125\]](#) This code will be removed after changing throw mechanism (see r33064).

\$ git checkout ruby_1_9_2

\$ git log --oneline | grep 33064

\$ git checkout ruby_1_9_3

\$ git log --oneline | grep 33064

=end

#9 - 07/29/2012 06:33 AM - Igierrth (Lars Gierth)

#5234 has been backported to 1.9.3 at least.

Files

proc_in_ensure.patch	449 Bytes	02/21/2010	wanabe (_ wanabe)
rewrite-dfp-in-errinfo.txt	858 Bytes	07/31/2011	ktsj (Kazuki Tsujimoto)