

Ruby - Bug #13682

return inside of ensure causes [BUG]

06/27/2017 04:03 AM - shyuhei (Shyouhei Urabe)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.5.0dev (2017-06-27 trunk 59146) [x86_64-darwin15]	Backport: 2.2: DONTNEED, 2.3: DONTNEED, 2.4: DONE
Description Attached script causes [BUG] Stack consistency error (sp: 7, bp: 6)		
Related issues: Related to Ruby - Feature #4840: Allow returning from require		
		Closed

Associated revisions

Revision 1474acff3c70c3c81cb1b059a8e6cc77a0fc4b70 - 06/27/2017 06:57 AM - nobu (Nobuyoshi Nakada)

fix return in toplevel rescue/ensure

- compile.c (iseq_compile_each0): throw TAG_RETURN at return in toplevel rescue/ensure to adjust VM stack properly. [ruby-core:81777] [Bug #13682]
- vm_inshelper.c (vm_throw_start): allow return in toplevel rescue/ensure.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59183 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision 5cfda37971da176ceba204d57acb5821c293d555 - 06/27/2017 02:09 PM - nobu (Nobuyoshi Nakada)

fix return in toplevel ensure

- compile.c (iseq_compile_each0): adjust stack after return in toplevel ensure, when the value is used. [ruby-core:81777] [Bug #13682]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59184 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 5cfda379 - 06/27/2017 02:09 PM - nobu (Nobuyoshi Nakada)

fix return in toplevel ensure

- compile.c (iseq_compile_each0): adjust stack after return in toplevel ensure, when the value is used. [ruby-core:81777] [Bug #13682]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59184 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 91b51140d7f2b79f8fb7d0ea8901de89fa0304d6 - 08/03/2017 04:00 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59183,59184: [Backport #13682]

```
fix return in toplevel rescue/ensure
```

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* compile.c (iseq_compile_each0): throw TAG_RETURN at return in  
toplevel rescue/ensure to adjust VM stack properly.  
[ruby-core:81777] [Bug #13682]
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rescue/ensure.  
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toplevel ensure, when the value is used.  
[ruby-core:81777] [Bug #13682]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59493 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 91b51140 - 08/03/2017 04:00 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59183,59184: [Backport #13682]

```
fix return in toplevel rescue/ensure
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[ruby-core:81777] [Bug #13682]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59493 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 06/27/2017 06:57 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset trunk|r59183.

```
fix return in toplevel rescue/ensure
```

- compile.c (iseq_compile_each0): throw TAG_RETURN at return in toplevel rescue/ensure to adjust VM stack properly.
[\[ruby-core:81777\]](#) [Bug [#13682](#)]
- vm_insnhelper.c (vm_throw_start): allow return in toplevel rescue/ensure.

#2 - 06/27/2017 09:05 AM - shyouhei (Shyouhei Urabe)

- Status changed from Closed to Open

Seems incomplete.

```
% ./miniruby -ve 'begin raise ensure return end and self'  
ruby 2.5.0dev (2017-06-27 trunk 59183) [x86_64-darwin15]
```

```
-- raw disasm-----
```

```
[none]  
0000 trace                1                                (  1)  
<L001>  
0002 putself              (  1)  
0003 opt_send_without_block <callinfo:raise, 0>, <call cache> (  1)  
0006 pop                  (  1)  
<L002>  
adjust: [label: -1]  
0007 putnil              (  1)  
0008 leave                (  1)
```

```

<L003>
0009 pop ( 1)
0010 dup ( 1)
0011 branchunless <L000> ( 1)
*0013 pop ( 1)
0014 putself ( 1)
<L000>
0015 leave ( 1)
-----
-e:1: argument stack underflow (-1)
Traceback (most recent call last):
-e: compile error (SyntaxError)
[1] 48279 exit 1 ./miniruby -ve 'begin raise ensure return end and self'

```

#3 - 06/27/2017 02:09 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset trunk|r59184.

fix return in toplevel ensure

- compile.c (iseq_compile_each0): adjust stack after return in toplevel ensure, when the value is used.
[\[ruby-core:81777\]](#) [Bug [#13682](#)]

#4 - 06/29/2017 05:15 PM - usa (Usaku NAKAMURA)

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

#5 - 07/20/2017 03:30 AM - nobu (Nobuyoshi Nakada)

- Related to Feature #4840: Allow returning from require added

#6 - 08/03/2017 04:00 PM - nagachika (Tomoyuki Chikanaga)

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

ruby_2_4 r59493 merged revision(s) 59183,59184.

Files

bug.rb	36 Bytes	06/27/2017	shyouhei (Shyouhei Urabe)
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