

Ruby trunk - Bug #6907

Another problem with super

08/23/2012 05:54 AM - tenderlovmaking (Aaron Patterson)

Status: Closed	
Priority: Normal	
Assignee: shugo (Shugo Maeda)	
Target version:	
ruby -v: ruby 2.0.0dev (2012-08-23 trunk 36786) [x86_64-darwin12.0.0]	Backport:

Description

I found another problem with super since [r36640](#), but I don't know how to fix it. Shugo, or ko1, can you help me?

Since [r36640](#), I can't call super in a thread. For example:

```
class Hoge
  def bar
    "hoge"
  end
end
```

```
class Foo < Hoge
  def bar
    Thread.new { super }.join.value
  end
end
```

```
puts Foo.new.bar
```

I'm not sure how to take threads into account in the loop looking through the cfps. I've read `vm_search_superclass`, but I don't understand. I've attached a patch that fails.

Associated revisions

Revision 55cf24d3 - 08/23/2012 04:00 AM - shugo (Shugo Maeda)

- `insns.def (invokesuper)`: reverted [r36640](#) partially to make super in a thread work correctly. [[ruby-core:47284](#)] [Bug #6907]
- `test/ruby/test_super.rb`: related test.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@36795 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 36795 - 08/23/2012 04:00 AM - shugo (Shugo Maeda)

- `insns.def (invokesuper)`: reverted [r36640](#) partially to make super in a thread work correctly. [[ruby-core:47284](#)] [Bug #6907]
- `test/ruby/test_super.rb`: related test.

Revision 36795 - 08/23/2012 04:00 AM - shugo (Shugo Maeda)

- `insns.def (invokesuper)`: reverted [r36640](#) partially to make super in a thread work correctly. [[ruby-core:47284](#)] [Bug #6907]

- test/ruby/test_super.rb: related test.

Revision 36795 - 08/23/2012 04:00 AM - shugo (Shugo Maeda)

- insns.def (invokesuper): reverted r36640 partially to make super in a thread work correctly. [ruby-core:47284] [Bug #6907]
- test/ruby/test_super.rb: related test.

Revision 36795 - 08/23/2012 04:00 AM - shugo (Shugo Maeda)

- insns.def (invokesuper): reverted r36640 partially to make super in a thread work correctly. [ruby-core:47284] [Bug #6907]
- test/ruby/test_super.rb: related test.

Revision 36795 - 08/23/2012 04:00 AM - shugo (Shugo Maeda)

- insns.def (invokesuper): reverted r36640 partially to make super in a thread work correctly. [ruby-core:47284] [Bug #6907]
- test/ruby/test_super.rb: related test.

Revision 36795 - 08/23/2012 04:00 AM - shugo (Shugo Maeda)

- insns.def (invokesuper): reverted r36640 partially to make super in a thread work correctly. [ruby-core:47284] [Bug #6907]
- test/ruby/test_super.rb: related test.

History

#1 - 08/23/2012 01:00 PM - shugo (Shugo Maeda)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset [r36795](#).

Aaron, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

- insns.def (invokesuper): reverted [r36640](#) partially to make super in a thread work correctly. [ruby-core:47284] [Bug [#6907](#)]
- test/ruby/test_super.rb: related test.

#2 - 08/23/2012 01:07 PM - shugo (Shugo Maeda)

tenderlovmaking (Aaron Patterson) wrote:

I'm not sure how to take threads into account in the loop looking through the cfps. I've read `vm_search_superclass`, but I don't understand. I've attached a patch that fails.

The receiver lookup in [r36640](#) is necessary only when `instance_eval` is used, so if frames knows whether `instance_eval` is used, the receiver lookup can be skipped.
However, I guess `ko1` doesn't like to add a new flag to each frame.

I have reverted [r36640](#) partially to solve this issue.
Bug [#2402](#) may be a corner case which never occur in real applications.

Files

fail.patch	489 Bytes	08/23/2012	tenderlovemaking (Aaron Patterson)
------------	-----------	------------	------------------------------------