Ruby master - Bug #3422
Object.const_get(:A, false) can access BasicObject::A
06/11/2010 04:11 AM - judofyr (Magnus Holm)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>kosaki (Motohiro KOSAKI)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>-</td>
</tr>
<tr>
<td>Backport:</td>
<td></td>
</tr>
</tbody>
</table>

Description
=begin
From the documentation of Module#const_get(sym, inherit=true):

If the constant is not defined or is defined by the ancestors and inherit is false, NameError will be raised.

Yet, this works fine:
BasicObject::A = 1
Object.const_get(:A, false) #=> 1

While I haven't tested it, I believe the attached patch should fix the issue.
=end

Related issues:
Is duplicate of Ruby master - Bug #3423: Inconsistent behaviour of Module#con... Close 06/11/2010
Has duplicate Ruby master - Bug #5143: include not properly registering modul... Close 08/02/2011
Has duplicate Ruby master - Bug #5154: method_missing and module scope, regre... Close 08/03/2011

Associated revisions
Revision e6540a03 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]
  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@32283 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)
• variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]
Revision 32283 - 06/29/2011 05:20 AM - matz (Yukihiro Matsumoto)

- variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 5700a860 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@32287 b2dd03c8-39d4-4d8f-98f8-823fe69b080e

Revision 32327 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

Revision 32327 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

Revision 32327 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

Revision 32327 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

Revision 32327 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

Revision 32327 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

Revision 32327 - 06/30/2011 11:12 AM - nobu (Nobuyoshi Nakada)

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

Revision 3f1eb218 - 08/11/2011 12:38 AM - yugui (Yuki Sonoda)

merges r32283 from trunk into ruby_1_9_2.

- variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

Revision 31a5ce34 - 08/11/2011 12:38 AM - yugui (Yuki Sonoda)

merges r32327 from trunk into ruby_1_9_2.

- test/ruby/test_module.rb: tests for [Bug #3422] and [Bug #3423].

History

#1 - 06/26/2011 02:59 PM - naruse (Yui NARUSE)
- Status changed from Open to Assigned
- Assignee set to matz (Yukihiro Matsumoto)
- Target version set to 1.9.3

#2 - 06/29/2011 01:41 PM - matz (Yukihiro Matsumoto)

the patch should be applied before 1.9.3.

matz.
Matz.

This issue was solved with changeset r32283.
Magnus, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- variable.c (rb_const_get_0): should not look for superclasses if the second optional argument is given for #const_get(). fix [Bug #3422] [Bug #3423]

r32283 breaks following codes:

```ruby
module LangModuleSpecInObject
  module LangModuleTop
  end
end
include LangModuleSpecInObject
module LangModuleTop
end #=> NameError: uninitialized constant LangModuleTop
```

class BasicObject
  end #=> NameError: uninitialized constant BasicObject

Yui NARUSE wrote:

Oops, r32342 fix this. thanks!

Following code still doesn't work:

```ruby
module LangModuleSpecInObject
  module LangModuleTop
  end
end
include LangModuleSpecInObject
p LangModuleTop
end
p LangModuleSpecInObject::LangModuleTop == LangModuleTop #=> false (it should be true)
```

Can you elaborate?

If I remove "end" in the line 7, it works for me (otherwise, it was an syntax error).

Matz.
#9 - 07/01/2011 08:28 AM - naruse (Yui NARUSE)
Oh sorry, it must be:

module LangModuleSpecInObject
module LangModuleTop
end
end
include LangModuleSpecInObject
module LangModuleTop
end
p LangModuleSpecInObject::LangModuleTop == LangModuleTop

#10 - 07/10/2011 03:18 PM - kosaki (Motohiro KOSAKI)

Oh sorry, it must be:

module LangModuleSpecInObject
module LangModuleTop
end
end
include LangModuleSpecInObject
module LangModuleTop
end
p LangModuleSpecInObject::LangModuleTop == LangModuleTop

matz, could you please answer to Yui?

#11 - 08/20/2011 07:02 PM - kosaki (Motohiro KOSAKI)
Matz, I think we need to decide either 1) revert r32283 or 2) fix naruse reported regression. Everybody know you are busy. But I believe 1.9.3 have no regression.....

#12 - 09/03/2011 11:57 AM - nobu (Nobuyoshi Nakada)
- Status changed from Assigned to Closed

#13 - 09/04/2011 12:23 AM - judofyr (Magnus Holm)
On Sat, Sep 3, 2011 at 04:57, Nobuyoshi Nakada nobu@ruby-lang.org wrote:

Issue #3422 has been updated by Nobuyoshi Nakada.

Status changed from Assigned to Closed

Why is this issue closed? Is the current behaviour acceptable?

#14 - 09/05/2011 12:53 AM - kosaki (Motohiro KOSAKI)
- ruby -v changed from ruby 1.9.2dev (2010-05-31 revision 28117) [x86_64-darwin10.3.0] to -

Why is this issue closed? Is the current behaviour acceptable?

Can you still reproduce this issue?

#15 - 09/06/2011 12:23 AM - judofyr (Magnus Holm)

Why is this issue closed? Is the current behaviour acceptable?

Can you still reproduce this issue?

Not the original issue. But it seemed to me that this issue was left open because it introduced other problems (discussed above). Now that this one has closed, I'm wondering what happened to this new issue?
#16 - 09/06/2011 01:03 AM - naruse (Yui NARUSE)
- ruby -v changed from - to ruby 1.9.2dev (2010-05-31 revision 28117) [x86_64-darwin10.3.0]

nobu lazily closed this ticket without the revision reference: r33163.

#17 - 09/06/2011 07:53 AM - kosaki (Motohiro KOSAKI)
- ruby -v changed from ruby 1.9.2dev (2010-05-31 revision 28117) [x86_64-darwin10.3.0] to -

Why is this issue closed? Is the current behaviour acceptable?

Can you still reproduce this issue?

Not the original issue. But it seemed to me that this issue was left open because it introduced other problems (discussed above). Now that this one has closed, I'm wondering what happened to this new issue?

As Yui explained, nobu fixed and committed it into ruby_1_9_3 branch, so I'm not thinking the regression above discussed disappeared. If you run latest ruby_1_9_3 branch and find any issue, please let us know asap.

Thank you for paying attention our bugfixes effort.

#18 - 10/25/2012 04:53 AM - aef (Alexander E. Fischer)
Could the following problem be related to this change? "Including namespace module through RSpec config in Ruby 1.9.3": http://stackoverflow.com/questions/13042298/including-namespace-module-through-rspec-config-in-ruby-1-9-3

If so, wouldn't it be a better idea to revert this?

#19 - 10/25/2012 08:03 AM - kosaki (Motohiro KOSAKI)
- Status changed from Closed to Open

#20 - 12/10/2012 12:45 AM - mame (Yusuke Endoh)
- Status changed from Open to Assigned
- Target version changed from 1.9.3 to 2.0.0

Matz, do you think that it should be changed again?
IMO, in principle, I don't think that it is a good idea to change the behavior so many times.

--
Yusuke Endoh mame@tsg.ne.jp

#21 - 01/09/2013 02:58 PM - shugo (Shugo Maeda)
- Assignee changed from matz (Yukihiro Matsumoto) to kosaki (Motohiro KOSAKI)

mame (Yusuke Endoh) wrote:

Matz. do you think that it should be changed again?
IMO, in principle, I don't think that it is a good idea to change the behavior so many times.

I'm not sure why this ticket has been reopened, but if it's because of the following comment, this ticket can be closed, because the request has already been rejected in #7213.

Could the following problem be related to this change? "Including namespace module through RSpec config in Ruby 1.9.3": http://stackoverflow.com/questions/13042298/including-namespace-module-through-rspec-config-in-ruby-1-9-3

If so, wouldn't it be a better idea to revert this?

Kosaki-san, why did you reopen this ticket?
Kosaki-san, why did you reopen this ticket?

Sorry, my memory was lost and I don't remember why, but I suspect your guess is right and we can close this ticket.

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>patch.diff</td>
<td>417 Bytes</td>
<td>06/11/2010</td>
<td>judofyr (Magnus Holm)</td>
</tr>
</tbody>
</table>