Ruby master - Bug #13776
Refined methods ignore visibility of inherited methods
07/29/2017 09:19 AM - Mon_Ouie (Mon ouïe)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
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<tr>
<td>Target version:</td>
<td>ruby 2.5.0dev (2017-07-28 trunk 59438) [x86_64-linux]</td>
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</table>

Description

This bug was pointed out by al2o3-cr on the #ruby IRC channel on freenode. The following code sleeps for 3 seconds, even though `String#sleep` is a private method.

```ruby
module Test
  refine String do
    def sleep; end
  end
end
puts "start"
"".sleep 3
puts "end"
```

This happens because `vm_call_method_each_type`, when running a method of type `VM_METHOD_TYPE_REFINED`, uses `vm_call_zsuper` to call inherited methods, which does not check the visibility of the method and directly executes it. I attached a patch which changes this code path and uses `vm_call_method` to trigger the code that honors method visibilities. I have not played extensively with this patch, but it at least does not seem to break any existing unit tests.

Associated revisions

Revision 59444 - 07/29/2017 12:42 PM - nobu (Nobuyoshi Nakada)
adjunct indent [ci skip]

- `vm_insnhelper.c (vm_call_method_each_type)`: adjust indent of a block in switch.

Revision 3449d4fa - 07/29/2017 12:42 PM - nobu (Nobuyoshi Nakada)
visibility of inherited method

- `vm_insnhelper.c (vm_call_method_each_type)`: honor the original visibility of inherited methods when a refinement is defined but not activated. [ruby-core:82209] [Bug #13776]

Author: Mon_Ouie (Mon ouïe) mon.ouie@gmail.com
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59445 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 59445 - 07/29/2017 12:42 PM - nobu (Nobuyoshi Nakada)
visibility of inherited method

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Author: Mon_Ouie (Mon ouïe) mon.ouie@gmail.com

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Author: Mon_Ouie (Mon ouïe) mon.ouie@gmail.com

05/10/2020
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Author: Mon_Ouie (Mon ouïe) mon.ouie@gmail.com

Revision db22ab15 - 12/24/2017 02:29 AM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 59444,59445: [Backport #13776]

adjust indent [ci skip]

* vm_insnhelper.c (vm_call_method_each_type): adjust indent of a block in switch.

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Author: Mon_Ouie (Mon ouïe) <mon.ouie@gmail.com>

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@61436 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 61436 - 12/24/2017 02:29 AM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 59444,59445: [Backport #13776]

adjust indent [ci skip]

* vm_insnhelper.c (vm_call_method_each_type): adjust indent of a block in switch.

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Author: Mon_Ouie (Mon ouïe) <mon.ouie@gmail.com>

Revision 1aee5acd - 01/31/2018 01:13 PM - usa (Usaku NAKAMURA)
merge revision(s) 59444,59445: [Backport #13776]

adjust indent [ci skip]

* vm_insnhelper.c (vm_call_method_each_type): adjust indent of a block in switch.

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Author: Mon_Ouie (Mon ouïe) <mon.ouie@gmail.com>

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@62134 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 62134 - 01/31/2018 01:13 PM - usa (Usaku NAKAMURA)
merge revision(s) 59444,59445: [Backport #13776]

adjust indent [ci skip]

* vm_insnhelper.c (vm_call_method_each_type): adjust indent of a block in switch.

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visibility of inherited methods when a refinement is defined but not activated. [ruby-core:82209] [Bug #13776]

Author:  Mon_Ouie (Mon ouïe) <mon.ouie@gmail.com>

History
#1 - 07/29/2017 12:42 PM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

Applied in changeset trunk|r59445.

visibility of inherited method

- vm_insnhelper.c (vm_call_method_each_type): honor the original visibility of inherited methods when a refinement is defined but not activated.
[ruby-core:82209] [Bug #13776]

Author:  Mon_Ouie (Mon ouïe) <mon.ouie@gmail.com>

#2 - 07/29/2017 12:46 PM - nobu (Nobuyoshi Nakada)
- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN to 2.2: REQUIRED, 2.3: REQUIRED, 2.4: REQUIRED
- Description updated

#3 - 12/24/2017 02:29 AM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.2: REQUIRED, 2.3: REQUIRED, 2.4: REQUIRED to 2.2: REQUIRED, 2.3: REQUIRED, 2.4: DONE

ruby_2_4 r61436 merged revision(s) 59444,59445.

#4 - 01/31/2018 01:13 PM - usa (Usaku NAKAMURA)
- Backport changed from 2.2: REQUIRED, 2.3: REQUIRED, 2.4: DONE to 2.2: REQUIRED, 2.3: DONE, 2.4: DONE

ruby_2_3 r62134 merged revision(s) 59444,59445.

Files

refinement.patch  1.74 KB  07/29/2017  Mon_Ouie (Mon ouïe)