

Ruby trunk - Bug #13817

test/unit breaks Hash

08/15/2017 11:18 AM - rovf (Ronald Fischer)

Status: Closed	
Priority: Normal	
Assignee: ktsj (Kazuki Tsujimoto)	
Target version:	
ruby -v: ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-linux]	Backport: 2.2: REQUIRED, 2.3: DONE, 2.4: DONE

Description

Consider the following program:

```
#!/usr/bin/env ruby
BEGIN {$VERBOSE = true}
require 'test/unit'
class Hash
  STDERR.puts method_defined?(:<<)
  alias << merge!
  STDERR.puts method_defined?(:<<)
end
```

In older Ruby versions (1.9.3, 2.3.3), the output of this program was:

```
false
true
```

In Ruby 2.4.1, the output is

```
false
~/work/stash/vp5/src/test/test_xx.rb:6: warning: method redefined; discarding old <<
true
```

Please note:

1. The warning occurs, even though `method_defined?` tells us that no `<<` method is in Hash.
2. The warning disappears, when we do **not** require `test/unit`, which suggests that the problem is caused by `test/unit`
3. Changing the offending line to `alias :<< :merge!` does not make any difference

Related issues:

Related to Ruby trunk - Bug #11182: Refinement with alias causes strange beha...

[Feedback](#)

Associated revisions

Revision 0db193f9 - 08/17/2017 02:58 PM - nobu (Nobuyoshi Nakada)

vm_method.c: alias warning at refined method

- vm_method.c (rb_method_entry_make): suppress a warning at refined method which will not be redefined. [ruby-core:82385] [Bug #13817]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59613 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 59613 - 08/17/2017 02:58 PM - nobu (Nobuyoshi Nakada)

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Revision c7754f58 - 09/10/2017 10:10 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59613: [Backport #13817]

vm_method.c: alias warning at refined method

```
* vm_method.c (rb_method_entry_make): suppress a warning at
refined method which will not be redefined.
[ruby-core:82385] [Bug #13817]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59819 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 59819 - 09/10/2017 10:10 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59613: [Backport #13817]

vm_method.c: alias warning at refined method

```
* vm_method.c (rb_method_entry_make): suppress a warning at
refined method which will not be redefined.
[ruby-core:82385] [Bug #13817]
```

Revision ddda4baf - 09/14/2017 04:19 AM - usa (Usaku NAKAMURA)

merge revision(s) 59613: [Backport #13817]

vm_method.c: alias warning at refined method

```
* vm_method.c (rb_method_entry_make): suppress a warning at
refined method which will not be redefined.
[ruby-core:82385] [Bug #13817]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@59880 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 59880 - 09/14/2017 04:19 AM - usa (Usaku NAKAMURA)

merge revision(s) 59613: [Backport #13817]

vm_method.c: alias warning at refined method

```
* vm_method.c (rb_method_entry_make): suppress a warning at
refined method which will not be redefined.
[ruby-core:82385] [Bug #13817]
```

History

#1 - 08/15/2017 12:10 PM - kou (Kouhei Sutou)

- Assignee set to ktsj (Kazuki Tsujimoto)

- Status changed from Open to Third Party's Issue

It's not caused by test-unit. It's caused by power_assert.

Please report it to https://github.com/k-tsj/power_assert/issues/new with the following script:

```
#!/usr/bin/env ruby
$VERBOSE = true
require 'power_assert/enable_tracepoint_events'
class Hash
  STDERR.puts method_defined?(:<<)
  alias << merge!
  STDERR.puts method_defined?(:<<)
end
```

#2 - 08/15/2017 03:19 PM - rovf (Ronald Fischer)

Bug reported at https://github.com/k-tsj/power_assert/issues/19

#3 - 08/15/2017 11:44 PM - kou (Kouhei Sutou)

Great!

#4 - 08/16/2017 03:25 AM - wanabe (_ wanabe)

- Related to Bug #11182: Refinement with alias causes strange behavior added

#5 - 08/17/2017 02:14 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

- Status changed from Third Party's Issue to Open

- Description updated

It's a ruby's bug.

"old <<" means a refined method, but it is not redefined actually.

```
class C
  def t; :t; end
  def f; :f; end
end
```

```
module M
  refine C do
    alias foo t
  end
end
```

```
class C
  alias foo f
end
```

```
using M
p C.new.foo #=> :t
```

#6 - 08/17/2017 02:58 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset [trunk|r59613](#).

vm_method.c: alias warning at refined method

- vm_method.c (rb_method_entry_make): suppress a warning at refined method which will not be redefined. [ruby-core:82385] [Bug #13817]

#7 - 09/10/2017 10:10 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 r59819 merged revision(s) 59613.

#8 - 09/14/2017 04:19 AM - 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 r59880 merged revision(s) 59613.