

Ruby master - Bug #2496

Delegate: #methods and #public_methods should return delegated methods too

12/19/2009 10:38 AM - marcandre (Marc-Andre Lafortune)

Status: Closed	
Priority: Normal	
Assignee: marcandre (Marc-Andre Lafortune)	
Target version: 1.9.2	
ruby -v: ruby 1.9.2dev (2009-12-19 trunk 26121) [x86_64-darwin10.2.0]	Backport:

Description

```
=begin
require 'delegate'
s = SimpleDelegator.new "Hello, world!"
s.respond_to? :upcase # => true
s.method :upcase    # => #
s.methods.include? :upcase # => false, true expected
```

Similar problem with public_methods.

I propose that they return the union of methods from the delegator object and the methods of the object delegated to (only the public ones, since other ones are not forwarded)

Patch:

```
diff --git a/lib/delegate.rb b/lib/delegate.rb
index 77804e4..2fd5b49 100644
--- a/lib/delegate.rb
+++ b/lib/delegate.rb
@@ -158,6 +158,22 @@ class Delegator
end
```

```
#
#
# Returns the methods available to this delegate object as the union
# of this object's methods and the public methods of __getobj__.
#
# def methods
# self.getobj.public_methods | super
# end +
#
# Returns the methods available to this delegate object as the union of this object
# and the methods of __getobj__.
#
# def public_methods(all=true)
# self.getobj.public_methods(all) | super
# end +
# # Returns true if two objects are considered same. # def ==(obj) =end
```

History

#1 - 04/28/2010 09:49 PM - mame (Yusuke Endoh)

- Assignee set to yugui (Yuki Sonoda)

```
=begin
Hi,
```

Agreed.
The patch is slightly wrong; methods should call **getobj.methods**?

Matz or Yugui, do you allow to import this patch?

```
--
Yusuke Endoh mame@tsg.ne.jp
=end
```

#2 - 04/28/2010 10:52 PM - mame (Yusuke Endoh)

=begin
Hi,

2010/4/28 Marc-Andre Lafortune ruby-core-mailing-list@marc-andre.ca:

Hi,

On Wed, Apr 28, 2010 at 8:49 AM, Yusuke Endoh redmine@ruby-lang.org wrote:

The patch is slightly wrong; methods should call **getobj**.methods?

The reason I've proposed `public_methods` is that delegates do not forward private methods. I feel it would be best if the following is true for any object, including delegates:

```
obj.methods.all?{|m| obj.respond_to?(m, true)}
```

Ah, yes, I remember. Thanks.

--
Yusuke Endoh mame@tsg.ne.jp

=end

#3 - 05/13/2010 04:11 AM - marcandre (Marc-Andre Lafortune)

- Assignee changed from *yugui (Yuki Sonoda)* to *marcandre (Marc-Andre Lafortune)*

=begin

=end

#4 - 05/31/2010 01:47 AM - marcandre (Marc-Andre Lafortune)

- Status changed from *Open* to *Closed*

- % Done changed from *0* to *100*

=begin
This issue was solved with changeset r28099.
Marc-Andre, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end