Ruby master - Bug #12164

Binding UnboundMethod to BasicObject

03/10/2016 11:22 AM - decuplet (Nikita Shilnikov)

<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>
</tr>
<tr>
<td>Target version:</td>
<td></td>
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<tr>
<td>ruby -v:</td>
<td>ruby 2.3.0p0 (2015-12-25 revision 53290) [x86_64-darwin15]</td>
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<td>Backport:</td>
<td>2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN</td>
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Description
I tried to bind method from Object to BasicObject and I suddenly succeeded.
For example:

```ruby
$ irb
2.3.0 :001 > BasicObject.send :define_method, :methods, Object.instance_method(:methods)
 => :methods
2.3.0 :002 > BasicObject.new.methods
 => [:!, :==, :!=, :__send__, :equal?, :methods, :instance_eval, :instance_exec, :__id__]
2.3.0 :003 >
```

In earlier ruby versions such code would raise an exception:

```ruby
$ irb
2.2.4 :001 > BasicObject.send :define_method, :methods, Object.instance_method(:methods)
TypeError: bind argument must be a subclass of Object
  from (irb):1:in `define_method'
  from (irb):1
  from /Users/gordon/.rvm/rubies/ruby-2.2.4/bin/irb:11:in `<main>'
2.2.4 :002 >
```

Is it a bug or a feature?
Probably it is somehow related to [https://bugs.ruby-lang.org/issues/11278](https://bugs.ruby-lang.org/issues/11278)

Related issues:
- Related to Ruby master - Bug #11278: remove rb_control_frame_t::klass | Closed

**History**

**#1 - 03/10/2016 01:16 PM - nobu (Nobuyoshi Nakada)**
- Description updated
- Status changed from Open to Closed

Yes.

**#2 - 03/10/2016 02:04 PM - decuplet (Nikita Shilnikov)**

Nobuyoshi Nakada wrote:

Yes.

Thank you! Well... a feature?

**#3 - 03/11/2016 12:42 AM - nobu (Nobuyoshi Nakada)**

"Yes" was to

Probably it is somehow related to [https://bugs.ruby-lang.org/issues/11278](https://bugs.ruby-lang.org/issues/11278)

I guess it's a bug-fix, but maybe an improvement.
Subtle.

08/05/2021
- Related to Bug #11278: remove rb_control_frame_t::klass added