

Ruby trunk - Bug #13099

Binding#irb does not work outside of irb

01/03/2017 11:36 PM - snood1205 (Eli Sadoff)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: ruby 2.4.0p0 (2016-12-24 revision 57164) [x86_64-darwin15]	Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN

Description

I had read that one of the new features of 2.4.0 is that Binding#irb is now a method, so I decided to test this out in a program I was working on. Here is the program

```
class Test
  attr_accessor :x, :y, :z
  def initialize(x, y, z)
    @x = x
    @y = y
    binding.irb
    @z = z
  end
end
```

```
a = Test.new(1, 2, 3)
```

And the error that I got is

```
binding_test.rb:6:in `initialize': undefined method `irb' for #<Binding:0x007f8562025078> (NoMethodError)
    from binding_test.rb:11:in `new'
    from binding_test.rb:11:in `<main>'
```

So, I thought that maybe it was an issue with running it in a constructor, so I tried the simpler invocation

```
binding.irb
```

but I had a problem with that as well, with a very similar error message

```
bind.rb:1:in `<main>': undefined method `irb' for #<Binding:0x007ff34984e880> (NoMethodError)
```

Associated revisions

Revision 7802f01d - 01/06/2017 03:11 AM - nobu (Nobuyoshi Nakada)

prelude.rb: Binding#irb [ci skip]

- prelude.rb (Binding#irb): [EXPERIMENTAL] automatically require irb and run. [ruby-core:78960] [Bug #13099]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@57274 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 57274 - 01/06/2017 03:11 AM - nobu (Nobuyoshi Nakada)

prelude.rb: Binding#irb [ci skip]

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History

#1 - 01/03/2017 11:36 PM - snood1205 (Eli Sadoff)

- *Description updated*

#2 - 01/04/2017 07:06 AM - nobu (Nobuyoshi Nakada)

- *Status changed from Open to Rejected*

You have to require "irb" by yourself.
No plan to autoload "irb" by binding.irb now.

#3 - 01/05/2017 11:16 PM - Eregon (Benoit Daloze)

Nobuyoshi Nakada wrote:

You have to require "irb" by yourself.
No plan to autoload "irb" by binding.irb now.

I also expected from the description in NEWS that Binding#irb would automatically require irb.
That would be really useful as a debugging tool, as it would literally mean adding "binding.irb" and no need for extra code.

#4 - 01/06/2017 04:04 AM - shyouhei (Shyouhei Urabe)

Silently requiring something reminds me of multi-threaded autoload situation. Is it OK?

#5 - 01/06/2017 12:43 PM - Eregon (Benoit Daloze)

Shyouhei Urabe wrote:

Silently requiring something reminds me of multi-threaded autoload situation. Is it OK?

Since require is thread-safe, I think the only requirement in this case is that all threads trying to touch IRB first need to require "irb" (so trying to optimize with e.g. require "irb" unless defined?(IRB) would be bad).

#6 - 11/29/2017 05:31 AM - nobu (Nobuyoshi Nakada)

- *Status changed from Rejected to Closed*

I had changed the mind, sorry.