

Ruby master - Bug #7833

DRb has problems with BasicObject

02/12/2013 07:48 PM - prijutme4ty (Ilya Vorontsov)

Status:	Assigned	
Priority:	Normal	
Assignee:	seki (Masatoshi Seki)	
Target version:		
ruby -v:	1.9.3p374	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

Description

I realized some problems with DRb and BasicObject

- 1) I cannot create front object of BasicObject class because DRb tries to call private_methods class
- 2) Call to DRb can't return instance of BasicObject class, instead it hangs.

serv.rb:

```
require 'drb'
$drb_uri = 'druby://localhost:1111'
class Front
  def func
    BasicObject.new
  end
end
DRb.start_service($drb_uri, Front.new)
DRb.thread.join
```

conn.rb:

```
require 'drb'
$drb_uri = 'druby://localhost:1111'
DRb.start_service
conn = DRbObject.new_with_uri($drb_uri)
p conn.func
```

When after a while (tens of seconds) I break the server, client shows me trace:

```
conn.rb
C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:570:in load': connection closed (DRb::DRbConnError)
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:632:in recv_reply'
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:918:in recv_reply'
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:1197:in send_message'
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:1088:in block (2 levels) in method_missing'
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:1172:in open'
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:1087:in block in method_missing'
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:1105:in with_friend'
from C:/Ruby193/lib/ruby/1.9.1/drb/drb.rb:1086:in method_missing'
from D:/programming/iogen_tools/website/server/tmp/conn.rb:5:in'
```

History

#1 - 02/13/2013 06:46 PM - usa (Usaku NAKAMURA)

- Status changed from Open to Assigned
- Assignee set to seki (Masatoshi Seki)

#2 - 02/26/2013 10:19 AM - naruse (Yui NARUSE)

- Target version changed from 1.9.3 to 2.6

#3 - 12/25/2017 06:15 PM - naruse (Yui NARUSE)

- Target version deleted (2.6)

#4 - 08/07/2019 06:08 PM - jeremyevans0 (Jeremy Evans)

- File *drb-basicobject-7833.patch* added

This is still a bug in the master branch. Attached is a patch that fixes the issue. It's a decent size patch as there are many parts of drb that need to be modified to handle BasicObject instances. This patch also fixes a bug in the rescue clause of any_to_s, as sprintf does not support a %l modifier (maybe it did at some point in the past, before 1.8.7?).

Files

drb-basicobject-7833.patch	4.95 KB	08/07/2019	jeremyevans0 (Jeremy Evans)
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