

Ruby master - Feature #12101

Add verbose failure messages and avoid infamous DRb::DRbConnError

02/22/2016 05:24 PM - yagudaev (Michael Yagudaev)

Status:	Closed
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>Avoid the generic "DRb::DRbConnError" which gives very little information and make errors hard to debug.</p> <p>When I started using DRuby, I kept getting a strange and cryptic error message DRb::DRbConnError 'connection closed'. Turns out it was due to some silly mistake on the server side of the relationship. It took hours to figure out. The only way I was able to do it was to patch ruby drb after closely studying the source.</p> <p>Others have had the same issues:</p> <p>http://stackoverflow.com/questions/27293817/ruby-connection-closed-drbdrbconnerror https://www.ruby-forum.com/topic/193984 https://github.com/Mon-Ouie/pry-remote/issues/8</p> <p>Here is an example where this makes a difference:</p> <pre># drb_server.rb require 'drb' class FrontObject def foo # generates Runtime Exception of Insecure Operation result = `ls -l` end end DRb.start_service("druby://localhost:8787", FrontObject.new, safe_level: 3) DRb.thread.join # drb_client.rb require 'drb' object = DRbObject.new_with_uri("druby://localhost:8787") puts object.foo</pre> <p>Output before patch is applied:</p> <pre>\$ ruby drb_server.rb \$ ruby drb_client.rb /Users/mike/.rbenv/versions/2.2.3/lib/ruby/2.2.0/drb/drb.rb:578:in `load': connection closed (DRb::DRbConnError)</pre> <p>Output after patch is applied:</p> <pre>\$ ruby drb_server.rb Insecure operation ``' at level 3 \$ ruby drb_client.rb /Users/mike/.rbenv/versions/2.2.3/lib/ruby/2.2.0/drb/drb.rb:578:in `load': connection closed (DRb::DRbConnError)</pre> <p>Original issue and proposed solution started on github: https://github.com/ruby/ruby/pull/1260</p>	

Associated revisions

Revision 018f0812 - 02/28/2016 11:28 AM - seki (Masatoshi Seki)

- lib/drbrb.rb (error_print): Add verbose failure messages and avoid infamous DRb::DRbConnError. [Feature #12101]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@53962 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 53962 - 02/28/2016 11:28 AM - seki (Masatoshi Seki)

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History

#1 - 02/22/2016 05:25 PM - yagudaev (Michael Yagudaev)

- *Tracker changed from Bug to Feature*

#2 - 02/22/2016 06:30 PM - drbrain (Eric Hodel)

I think printing out messages to \$stdout is not the best way. If I'm running DRb as a server I may have no way of seeing these and knowing if it is a problem.

Better, I think, would be to allow a user to configure a callback or logger that is invoked when an error on the client side is discovered.

See also <https://rubygems.org/gems/drbdump> which gives you tcpdump-like views of communications amongst drb peers.

#3 - 02/28/2016 11:28 AM - seki (Masatoshi Seki)

- *Status changed from Open to Closed*

Applied in changeset r53962.

- lib/drbrb.rb (error_print): Add verbose failure messages and avoid infamous DRb::DRbConnError. [Feature [#12101](#)]