Ruby - Bug #8125

lost-tuple bug and fix for Rinda::TupleSpaceProxy.take

03/20/2013 02:21 AM - vjoel (Joel VanderWerf)

Status:	Closed					
Priority:	Normal					
-						
Assignee:	drbrain (Eric Hodel)					
Target version:		1 Deckmont				
ruby -v:	ruby 2.0.0p0 (2013-02-24) [x86_64-linux	Backport:				
Description =begin						
tuplespace server) p		osing a "port" object on the client that the remote side (the sturn value. Pushing to the port fails if the process that called #take erver.				
		Hake was interrupted, the port still exists and accepts push on the server and not available on the client.				
This is frequently a p	problem when using irb and manually interru	oting take calls. It would also be a problem when using timeouts.				
A concise reproduct	ion of the problem is in the attached thread-in	nt.rb.				
The bug can be fixe been unwound.	d by the patch below, which replaces the por	array with a custom object that rejects pushes if the call stack has				
Note that this patch	combines naturally with the faster take patch	in <u>#8119</u> .				
index 18e284a057 a/lib/rinda/rinda.rl +++ b/lib/rinda/rinda @@ -206,6 +206,23	b	al.				
class TupleSpa	ceProxy					
 class Port 						
•						
•						
•						
•						
•						
•						
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	_					
•						
•						
•						
•						

Creates a new TupleSpaceProxy to wrap +ts+.

@@ -222,6 +239,19 @@	module Rinda
end	

##

- Safely takes +tuple+ from the proxied TupleSpace. See TupleSpace#take.
- Ensures that an interrupted thread will not become a lasting cause
- of further data loss.
- def take_safely(tuple, sec=nil, &block)

•	
•	
• ensure	
•	

- end
- Takes +tuple+ from the proxied TupleSpace. See TupleSpace#take.

def take(tuple, sec=nil, &block)

=end

Associated revisions

Revision ebca3dd3c3fbc903511122078df910362347b5fa - 03/23/2013 06:34 PM - drbrain (Eric Hodel)

lib/rinda/rinda.rb: Fixed loss of tuple when remote is alive but the call stack was unwound. Patch by Joel VanderWerf.
 [ruby-trunk - Bug #8125]
 * test/rinda/test_rinda.rb: Test for the above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39890 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision ebca3dd3 - 03/23/2013 06:34 PM - drbrain (Eric Hodel)

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History

#1 - 03/20/2013 07:50 AM - hsbt (Hiroshi SHIBATA)

- Assignee set to seki (Masatoshi Seki)

#2 - 03/23/2013 04:21 PM - drbrain (Eric Hodel)

- File rinda.rb.8215.patch added

- Status changed from Open to Assigned

I think the safe take should be the default take.

I updated your patch and converted thread-int.rb into a test.

#3 - 03/23/2013 04:26 PM - drbrain (Eric Hodel)

- File rinda.rb.8215.2.patch added

Here is an updated patch that matches the rinda style and removes a leftover p

#4 - 03/23/2013 04:37 PM - drbrain (Eric Hodel)

- File rinda.rb.8215.3.patch added

Oops, I forgot to run all the tests, this fixes the remaining tests by restoring an accidentally deleted line.

#5 - 03/23/2013 07:16 PM - seki (Masatoshi Seki)

- Assignee changed from seki (Masatoshi Seki) to drbrain (Eric Hodel)

please commit it!

#6 - 03/24/2013 03:34 AM - drbrain (Eric Hodel)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r39890. Joel, thank you for reporting this issue. Your contribution to Ruby is greatly appreciated. May Ruby be with you.

 lib/rinda/rinda.rb: Fixed loss of tuple when remote is alive but the call stack was unwound. Patch by Joel VanderWerf. [ruby-trunk - Bug <u>#8125]</u>

• test/rinda/test_rinda.rb: Test for the above.

Files

thread-int.rb	1.1 KB	03/20/2013	vjoel (Joel VanderWerf)
rinda.rb.8215.patch	2.84 KB	03/23/2013	drbrain (Eric Hodel)
rinda.rb.8215.2.patch	2.84 KB	03/23/2013	drbrain (Eric Hodel)
rinda.rb.8215.3.patch	2.91 KB	03/23/2013	drbrain (Eric Hodel)