

Ruby master - Bug #9302

[PATCH] thread: fix deadlock/freeze on SizedQueue#push

12/26/2013 07:07 PM - normalperson (Eric Wong)

Status:	Closed	
Priority:	Normal	
Assignee:	naruse (Yui NARUSE)	
Target version:	2.2.0	
ruby -v:	ruby 2.2.0dev (2013-12-26 trunk 44439) [x86_64-linux]	Backport: 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: DONE
Description SizedQueue#push needs to check the thread list for threads waiting on enqueue. Checking the wrong thread list leads strange/surprising behavior when the the queue is full. This needs to be backported to 2.1.0 (not 2.0.0 or earlier)		

Associated revisions

Revision 64926db9 - 01/13/2014 03:18 AM - charliesome (Charlie Somerville)

- ext/thread/thread.c (rb_szqueue_push): check GET_SZQUEUE_WAITERS instead of GET_QUEUE_WAITERS to prevent deadlock. Patch by Eric Wong. [Bug #9302] [ruby-core:59324]
- test/thread/test_queue.rb: add test

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@44583 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 44583 - 01/13/2014 03:18 AM - charliesome (Charlie Somerville)

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Revision eef4a3cd - 02/05/2014 02:57 PM - naruse (Yui NARUSE)

merge revision(s) 44583: [Backport #9302]

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* ext/thread/thread.c (rb_szqueue_push): check GET_SZQUEUE_WAITERS
  instead of GET_QUEUE_WAITERS to prevent deadlock. Patch by Eric Wong.
  [Bug #9302] [ruby-core:59324]
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* test/thread/test_queue.rb: add test
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@44847 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 01/13/2014 03:25 AM - charliesome (Charlie Somerville)

- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset r44583.

- ext/thread/thread.c (rb_szqueue_push): check GET_SZQUEUE_WAITERS instead of GET_QUEUE_WAITERS to prevent deadlock. Patch by Eric Wong. [Bug #9302] [ruby-core:59324]
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#2 - 01/13/2014 03:31 AM - charliesome (Charlie Somerville)

- Status changed from Closed to Open
- Assignee set to naruse (Yui NARUSE)
- % Done changed from 100 to 0
- Backport changed from 1.9.3: UNKNOWN, 2.0.0: UNKNOWN, 2.1: UNKNOWN to 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED

#3 - 02/06/2014 07:11 PM - naruse (Yui NARUSE)

- Backport changed from 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: REQUIRED to 1.9.3: DONTNEED, 2.0.0: DONTNEED, 2.1: DONE

#4 - 08/12/2014 03:35 AM - hsbt (Hiroshi SHIBATA)

- Status changed from Open to Closed

Files

0001-thread-fix-deadlock-freeze-on-SizedQueue-push.patch	1.73 KB	12/26/2013	normalperson (Eric Wong)
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