

Ruby - Bug #13079

linked list corruption (probable race condition)

12/27/2016 09:55 AM - fabianfrz (Fabian Franz)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.3.3p222 (2016-11-21 revision 56859) [x86_64-linux]	Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN
Description		
<p>Hi, I am developing a binding for an external library and I encountered a problem with the ruby interpreter.</p> <p>The library is made to run with threads and it randomly crashes the ruby interpreter which looks like a race codition with some of the core functions (I use the functions to append array elements and set key values of hashes).</p> <p>Somtimes I get an error message, sometimes not - this is a sample:</p> <pre>*** Error in `ruby': corrupted double-linked list: 0x00000000380e390 *** ===== Backtrace: ===== /usr/lib/libc.so.6(+0x70c4b)[0x389f9290c4b] /usr/lib/libc.so.6(+0x76fe6)[0x389f9296fe6] /usr/lib/libc.so.6(+0x7736c)[0x389f929736c] /usr/lib/libc.so.6(+0x77e40)[0x389f9297e40] /usr/lib/libruby.so.2.3(+0x9072d)[0x389f964e72d] /usr/lib/libruby.so.2.3(+0xa11d4)[0x389f965f1d4] /usr/lib/libruby.so.2.3(rb_io_fptr_finalize+0x22)[0x389f96609b2] /usr/lib/libruby.so.2.3(+0x87db1)[0x389f9645db1] /usr/lib/libruby.so.2.3(rb_gc_call_finalizer_at_exit+0x2b7)[0x389f9650057] /usr/lib/libruby.so.2.3(ruby_cleanup+0x3ea)[0x389f9634cea] /usr/lib/libruby.so.2.3(ruby_run_node+0x25)[0x389f9634f35] ruby[0x4007cb] /usr/lib/libc.so.6(__libc_start_main+0xf1)[0x389f9240291] ruby(_start+0x2a)[0x4007fa]</pre> <p>While the function is running, I disable the GC because it would randomly crash this function (by deleting the objects while building the data structure).</p>		

History

#1 - 01/20/2017 05:14 AM - ko1 (Koichi Sasada)

- Status changed from Open to Feedback

I'm not sure correctly, but you may violate something MRI requires.
Currently, I can't understand anything.
If you can make a reproducible source set, please submit again.

Thanks,
Koichi

#2 - 07/25/2019 11:35 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Feedback to Closed