

## Ruby master - Bug #14943

### ruby 2.4 doesn't work with jemalloc 5.1.0 properly.

07/27/2018 10:00 AM - repeatedly (Masahiro Nakagawa)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b> 2.4.4	<b>Backport:</b> 2.3: UNKNOWN, 2.4: REQUIRED, 2.5: DONTNEED
<b>Description</b>	
With jemalloc 5.1.0, ruby 2.4.4 failed to initialize timer thread and it causes broken runtime, e.g. signals are ignored.	
<ul style="list-style-type: none"><li>• ruby 2.4.4</li></ul>	
<pre>\$ LD_PRELOAD=~/.gem/jemalloc_lib/5.1.0/lib/libjemalloc.so.2 ruby print_version.rb &lt;main&gt;: warning: pthread_create failed for timer: Invalid argument, scheduling broken 2.4.4</pre>	
<ul style="list-style-type: none"><li>• ruby 2.5.1</li></ul>	
<pre>\$ LD_PRELOAD=~/.gem/jemalloc_lib/5.1.0/lib/libjemalloc.so.2 ruby print_version.rb 2.5.1</pre>	
This problem has been reported in jemalloc issue. See <a href="https://github.com/jemalloc/jemalloc/issues/1006">https://github.com/jemalloc/jemalloc/issues/1006</a>	

### History

#### #1 - 07/27/2018 10:01 AM - naruse (Yui NARUSE)

- Backport changed from 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN to 2.3: UNKNOWN, 2.4: REQUIRED, 2.5: DONTNEED

#### #2 - 07/27/2018 10:22 AM - normalperson (Eric Wong)

[repeatedly@gmail.com](mailto:repeatedly@gmail.com) wrote:

With jemalloc 5.1.0, ruby 2.4.4 failed to initialize timer thread and it causes broken runtime, e.g. signals are ignored.

This problem has been reported in jemalloc issue. See <https://github.com/jemalloc/jemalloc/issues/1006>

I think we need to backport r58874 to 2.4. Can you file a backport ticket? (too tired to open browser, even w3m :P)

Increased TSD (aka TLS/thread-local-storage/thread-specific-data) usage in jemalloc will be a problem with tiny stack size used by timer thread. I made 58874 to 2.5 as a workaround for high TSD use in libkqueue.

Also, I may have an idea to remove timer-thread completely, even under contention...

#### #3 - 07/29/2019 10:27 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed