

## Ruby trunk - Bug #970

Re: [ruby-cvs:28403] Ruby:r21185 (trunk): \* thread.c (rb\_thread\_blocking\_region): add a comment.

01/02/2009 11:46 PM - usa (Usaku NAKAMURA)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> ko1 (Koichi Sasada)	
<b>Target version:</b> 2.0.0	
<b>ruby -v:</b>	<b>Backport:</b>
<b>Description</b>	
<pre>=begin []  In message "[ruby-cvs:28403] Ruby:r21185 (trunk): * thread.c (rb_thread_blocking_region): add a comment." on Dec.30,2008 16:57:54, <a href="mailto:ko1@ruby-lang.org">ko1@ruby-lang.org</a> wrote:   ko1 2008-12-30 16:57:53 +0900 (Tue, 30 Dec 2008)     New Revision: 21185     <a href="http://svn.ruby-lang.org/cgi-bin/viewvc.cgi?view=rev&amp;revision=21185">http://svn.ruby-lang.org/cgi-bin/viewvc.cgi?view=rev&amp;revision=21185</a>     Log:   * thread.c (rb_thread_blocking_region): add a comment.   * thread.c (rb_thread_call_without_gvl): added as a alias of     rb_thread_blocking_region().   * thread.c (rb_thread_call_with_gvl): added.   * vm_core.h (rb_thread_t#blocking_region_buffer): added for     rb_thread_call_with_gvl().   [] rb_thread_call_with_gvl() [] rb_thread_t [] blocking_region_buffer [] []  [] bug [] C [] GVL [] rb_thread_call_with_gvl() [] [] rb_thread_call_with_gvl() [] GVL [] # [] RC # []  [] 2 []  Index: thread.c ===== --- thread.c (21276) +++ thread.c (21276) @@ -954,6 +954,7 @@ { region-&gt;prev_status = th-&gt;status; set_unblock_function(th, func, arg, &amp;region-&gt;oldubf);  • th-&gt;blocking_region_buffer = region; th-&gt;status = THREAD_STOPPED; thread_debug("enter blocking region (%p)\n", (void *)th); rb_gc_save_machine_context(th); @@ -967,6 +968,7 @@ rb_thread_set_current(th); thread_debug("leave blocking region (%p)\n", (void *)th); remove_signal_thread_list(th);  • th-&gt;blocking_region_buffer = NULL; reset_unblock_function(th, &amp;region-&gt;oldubf); if (th-&gt;status == THREAD_STOPPED) { th-&gt;status = region-&gt;prev_status; @@ -1101,13 +1103,15 @@</pre>	

```

}

brb = (struct rb_blocking_region_buffer *)th->blocking_region_buffer;

• prev_unblock = th->unblock;

• blocking_region_end(th, brb);

• if (brb) {

• prev_unblock = th->unblock;

• blocking_region_end(th, brb);

• }
/* enter to Ruby world: You can access Ruby values, methods and so on. */
r = (*func)(data1);

• /* leave from Ruby world: You can not access Ruby values, etc. */

• blocking_region_begin(th, brb, prev_unblock.func, prev_unblock.arg);

• /* leave from Ruby world: You can not access Ruby values, etc. */

• if (brb)

• blocking_region_begin(th, brb, prev_unblock.func, prev_unblock.arg);
return r;
}

#####
--
U.Nakamura usa@garbagecollect.jp
=end

```

## History

### #1 - 01/04/2009 12:08 AM - usa (Usaku NAKAMURA)

- Category set to core
- Assignee set to ko1 (Koichi Sasada)
- Priority changed from 3 to Normal
- Target version set to 2.0.0

```

=begin
=end

```

### #2 - 01/12/2009 01:20 PM - ko1 (Koichi Sasada)

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=begin
#####

```

U.Nakamura wrote::

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#####rb_thread_call_with_gvl()#####rb_thread_t
#####blocking_region_buffer#####
#####

#####bug#####C#####
#####GVL#####
rb_thread_call_with_gvl()#####
#####rb_thread call with gvl()#####GVL
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- (1) GVL □□□□□□□□
- (2) GVL □□□□□□GC □□□□ NoMemoryError □□
- (2.1) ruby □□□□□□□□□□ GVL □□□□□□□□□□
- (2.2) ruby □□□□□□□□□□ stderr □ exit(1)

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```
--  
// SASADA Koichi at atdot dot net
```

```
=end
```

### #3 - 01/12/2009 10:21 PM - yugui (Yuki Sonoda)

```
=begin  
On 1/12/09 1:19 PM, SASADA Koichi wrote:
```

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□□□□□□□□□□r21438□r21441□□1.9.1 □□□□□□□□□□□□□□□□  
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```
--  
Yugui yugui@yugui.jp  
http://yugui.jp  
□□□□Dump□□
```

```
=end
```

### #4 - 01/13/2009 04:56 PM - usa (Usaku NAKAMURA)

```
=begin  
□□□□□□□□□□(□)□□□□
```

```
In message "[ruby-dev:37761] Re: [BUG:trunk] Re: [ruby-cvs:28403] Ruby:r21185 (trunk): * thread.c (rb_thread_blocking_region): add a comment."  
on Jan.12,2009 13:19:50, ko1@atdot.net wrote:
```

```
□□□□□□□□□□□□□□[ruby-dev:37383]□□□□□□□□□□□□□□
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[ruby-core:19946]□□□□□□□□□□□□□□□□□□□□□□
```

```
□□□□□□  
--  
U.Nakamura usa@garbagecollect.jp
```

```
=end
```

#5 - 01/29/2009 01:35 PM - matz (Yukihiro Matsumoto)

- Status changed from Open to Closed

=begin

=end