

Ruby master - Feature #10602

Support multithreaded profiling

12/15/2014 11:14 PM - mperham (Mike Perham)

Status:	Open
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>The current <code>rb_profile_frames</code> captures the frame for whatever thread is current. This makes profiling a multithreaded system impossible. I'd like a <code>rb_thread_profile_frames</code> which captures a given thread. It seems like it would be a very simple change, something like this:</p>	
<pre>int rb_profile_frames(int start, int limit, VALUE *buff, int *lines) { rb_profile_frames(start, limit, buff, lines, GET_THREAD()) } int rb_thread_profile_frames(int start, int limit, VALUE *buff, int *lines, rb_thread_t *th) { int i; rb_control_frame_t *cfp = th->cfp, *end_cfp = RUBY_VM_END_CONTROL_FRAME(th); ... }</pre>	
<p>This way profiling gems could lock to a specific thread.</p>	

History

#1 - 12/16/2014 05:53 PM - mperham (Mike Perham)

To be clear, I want to profile a **single** thread within a running multithreaded Ruby app. This is useful for profiling individual Sidekiq jobs executing in production. Right now the profile frames capture data from other threads which makes the output useless.

#2 - 07/09/2019 01:24 AM - jeremyevans0 (Jeremy Evans)

- Backport deleted (2.0.0: UNKNOWN, 2.1: UNKNOWN)

- ruby -v deleted (2.1.5)

- Tracker changed from Bug to Feature