

Ruby master - Bug #1152

profiler.rb is not concurrent-execution threadsafe

02/13/2009 07:54 AM - headius (Charles Nutter)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:	2.0.0	
ruby -v:	all versions 1.8.6 and up	
Description		Backport:
<pre>=begin The library profiler.rb uses class variables to store data without wrapping them in mutexes. On current C Ruby, this may only rarely cause a problem, but as more and more code is allowed to run in parallel it's going to lead to issues. If I or other JRuby community members have a chance, we'll try to make it thread-safe, but I wanted to file this issue to ensure it's out there. The library is also largely unchanged in 1.9.1. See http://jira.codehaus.org/browse/JRUBY-2133 for the (admittedly sparse) JRuby issue. =end</pre>		

Associated revisions

Revision 80b55686 - 12/23/2012 08:57 AM - nobu (Nobuyoshi Nakada)

profiler.rb: concurrent-execution

- lib/profiler.rb (Profiler__::PROFILE_PROC, print_profile): store profile data per threads for concurrent-execution. [ruby-core:22046] [Bug #1152]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38576 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38576 - 12/23/2012 08:57 AM - nobu (Nobuyoshi Nakada)

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History

#1 - 03/16/2009 09:29 AM - jabley (James Abley)

- File 1152.patch added

=begin

Sample patch attached for discussion. There are style and best practice issues with this patch due to my lack of ruby experience. Please forgive and be so kind as to suggest improvements.

It is intended to highlight some of the areas that must be considered when making the change to provide thread-safe profiling.

The patch alters the code to make the capture of the data thread-safe AFAICT. There may be some issues with the data fields / calculations. I wasn't completely clear what each field in the array was supposed to be storing. The main issue unresolved by this patch is how best to present the information.

I've opted for showing information per-thread and a summary as well.

- Should there be a version number outputted, in case downstream tools are doing something with this information?
- Any comments on how the information is being presented??
- Should profiling be configurable, so that it may not show output per thread, etc.

=end

#2 - 03/16/2009 09:37 AM - jabley (James Abley)

- File 1152-2009-03-09.patch added

=begin

Whoops. Wrong patch attached. Updated version.

=end

#3 - 06/26/2011 01:55 PM - akr (Akira Tanaka)

- Project changed from Ruby to Ruby master

#4 - 06/26/2011 02:20 PM - naruse (Yui NARUSE)

- Status changed from Open to Assigned

- Assignee set to shugo (Shugo Maeda)

#5 - 06/30/2011 11:37 AM - shugo (Shugo Maeda)

- Assignee changed from shugo (Shugo Maeda) to matz (Yukihiro Matsumoto)

I'm not the maintainer of profiler.rb. According to git blame, it seems to be written by Matz and ocean, so I assign this ticket to Matz.

#6 - 07/14/2012 02:08 PM - ko1 (Koichi Sasada)

- Assignee changed from matz (Yukihiro Matsumoto) to ko1 (Koichi Sasada)

I take it.

#7 - 10/30/2012 09:06 AM - ko1 (Koichi Sasada)

- Category set to lib

- Target version set to 2.0.0

#8 - 11/26/2012 09:00 AM - ko1 (Koichi Sasada)

- Assignee changed from ko1 (Koichi Sasada) to nobu (Nobuyoshi Nakada)

nobu, could you check it?

#9 - 12/23/2012 05:57 PM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r38576.
Charles, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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Files

1152.patch	2.13 KB	03/16/2009	jabley (James Abley)
1152-2009-03-09.patch	3.58 KB	03/16/2009	jabley (James Abley)