

Ruby trunk - Bug #7678

\$_ and \$~ are shared across Fibers halfway

01/09/2013 04:58 PM - nobu (Nobuyoshi Nakada)

Status: Closed	
Priority: Normal	
Assignee:	
Target version: 2.0.0	
ruby -v: r38748	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
Description	
<pre>=begin ((\$_)) and ((\$~)) have thread local method scope, but are shared across fibers in same thread. \$./ruby -v -e '/a/ =~ "a"; p \$~; Fiber.new{/b/ =~ "b"; p \$~}.resume; p \$~' ruby 2.0.0dev (2013-01-09 trunk 38748) [x86_64-darwin11] # # # But, it is cleared at (({Fiber.start})). \$./ruby -v -e '/a/ =~ "a"; p \$~; Fiber.new{p \$~}.resume; p \$~' ruby 2.0.0dev (2013-01-09 trunk 38748) [x86_64-darwin11] # nil nil These two behaviors seem mismatched. I think:</pre>	
<ul style="list-style-type: none">• If they should be shared, then the latter example should show same (({MatchData})) 3 times.• If they should be cleared at starting fibers, those variables in the original fiber should be unchanged. =end	

Associated revisions

Revision 38981 - 01/30/2013 04:17 AM - nobu (Nobuyoshi Nakada)

cont.c: fiber local svar

- cont.c (cont_restore_thread): svar should be separate per fibers. [ruby-core:51331] [Bug #7678]

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History

#1 - 01/25/2013 12:42 PM - ko1 (Koichi Sasada)

- *Target version set to 2.0.0*

Nobu, should we finish this issue before 2.0?

#2 - 01/29/2013 02:19 PM - nobu (Nobuyoshi Nakada)

- *Description updated*

I think this is one of undefined behaviors, so it would cause no compatibility issue.
We can fix it once we decide which is more desirable, shared between fibers or separate per fibers.

#3 - 01/29/2013 02:53 PM - ko1 (Koichi Sasada)

(2013/01/29 14:19), nobu (Nobuyoshi Nakada) wrote:

I think this is one of undefined behaviors, so it would cause no compatibility issue.
We can fix it once we decide which is more desirable, shared between fibers or separate per fibers.

I asked matz about it and his choice is separate between Fibers.

--
// SASADA Koichi at atdot dot net

#4 - 01/30/2013 01:18 PM - nobu (Nobuyoshi Nakada)

- *Status changed from Open to Closed*

- *% Done changed from 0 to 100*

This issue was solved with changeset [r38981](#).
Nobuyoshi, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

cont.c: fiber local svar

- cont.c (cont_restore_thread): svar should be separate per fibers. [Bug [#7678](#)]