

Ruby trunk - Bug #5171

[PATCH] date_core: RB_GC_GUARD temporary strings

08/09/2011 07:30 AM - normalperson (Eric Wong)

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| Status: Closed | |
| Priority: Normal | |
| Assignee: tadf (tadayoshi funaba) | |
| Target version: 2.0.0 | |
| ruby -v: ruby 1.9.4dev (2011-08-07 trunk 32885) [x86_64-linux] | Backport: |
| Description ext/date/date_core.c (d_lite_inspect): RB_GC_GUARD temporary strings test/date/test_date.rb: add test case with GC.stress=true RSTRING_PTR() should not be used directly on function calls: 1) it may drop the VALUE reference from the stack/register set and and allow GC to collect it 2) macros can evaluate the function call multiple times If DNDEBUG is not defined, Date#inspect_raw also has the same issue. However, I think removing the Date#inspect_raw code entirely is better. If you prefer to use "git pull": git pull git://bogomips.org/ruby date_core-gc-guard | |

History

#1 - 08/09/2011 09:55 AM - normalperson (Eric Wong)

- File 0001-ext-date-date_strftime.c-date_strftime_with_tmx-RB_G.patch added

I also have an extra safety fix in case date_strftime_with_tmx() changes in the future:

ext/date/date_strftime.c (date_strftime_with_tmx): RB_GC_GUARD safety fix

I don't think this has the potential to /currently/ cause errors because the pointer is used immediately (before further allocations). However it is still a risk if the code changes and allocates later in the function.

There should also be a minor speedup from avoiding strlen().

git pull git://bogomips.org/ruby date-tmx_zone-paranoia

#2 - 08/13/2011 05:08 PM - tadf (tadayoshi funaba)

- Status changed from Open to Closed

Files

| | | | |
|---|---------|------------|--------------------------|
| 0001-ext-date-date_core.c-d_lite_inspect-RB_GC_GUARD-temp.patch | 2.26 KB | 08/09/2011 | normalperson (Eric Wong) |
| 0001-ext-date-date_strftime.c-date_strftime_with_tmx-RB_G.patch | 2.2 KB | 08/09/2011 | normalperson (Eric Wong) |