Ruby master - Bug #7383

Use stricter cache check in load.c

11/18/2012 07:09 PM - funny_falcon (Yura Sokolov)

| Status: | Closed                  |
| Priority: | Normal                  |
| Assignee: | h.shirosaki (Hiroshi Shirosaki) |
| Target version: | 2.0.0                  |
| ruby -v: | ruby 2.0.0dev (2012-11-18 trunk 37708) [x86_64-linux] |

Description
rb_ary_shared_with_p does not react when #shift or #pop is called on original array.

This patch introduce rb_ary_dup_of_p, which makes more adequate check for duplicate of array.

https://github.com/ruby/ruby/pull/216
https://github.com/ruby/ruby/pull/216.patch

Associated revisions
Revision 97ecab7b - 11/22/2012 02:55 PM - shirosaki
Fix cache validity check of require

- array.c (rb_ary_shared_with_p): fix cache validity check.
  If #pop or #shift has been called against $ or "$", the array will be still shared with the snapshot. We check array length for cache validity.
  [ruby-core:49518] [Bug #7383]
- test/ruby/test_require.rb
  (TestRequire#test_require_with_array_pop,
   TestRequire#test_require_with_array_shift): add tests for above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@37808 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 37808 - 11/22/2012 02:55 PM - shirosaki
Fix cache validity check of require

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Revision e256dca8 - 02/13/2013 10:07 PM - drbrain (Eric Hodel)

- Backport r39213 from trunk [ruby-trunk - Bug #7383]

- lib/rubygems.rb: Return BINARY strings from Gem.gzip and Gem.gunzip. Fixes intermittent test failures. RubyGems issue #450 by Jeremey
Kemper.

- test/rubygems/test_gem.rb: Test for the above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@39229 b2dd03c8-39d4-4d8f-98f1-823fe69b080e

## History

### #1 - 11/19/2012 10:55 PM - h.shirosaki (Hiroshi Shirosaki)
- File `0001-Fix-cache-validity-check-of-require.patch` added

Yura, thank you.

Indeed `rb_ary_shared_with_p` does not react against `#shift` or `#pop`. Original array remains shared with the snapshot.

However, I think adding a check of array length would be sufficient for that. This fix has no performance impact, still O(1). I've attached a patch with tests.

Are there any reasons that such a strict check is needed?

### #2 - 11/22/2012 06:23 PM - funny_falcon (Yura Sokolov)

Hiroshi,

Adding size check is enough in this case.

But `rb_ary_dup_of_p` is more useful in the wild, I think.

With regards,

Yura

2012/11/19 h.shirosaki (Hiroshi Shirosaki) h.shirosaki@gmail.com

Issue #7383 has been updated by h.shirosaki (Hiroshi Shirosaki).

File `0001-Fix-cache-validity-check-of-require.patch` added

Yura, thank you.

Indeed `rb_ary_shared_with_p` does not react against `#shift` or `#pop`. Original array remains shared with the snapshot.

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### Are there any reasons that such a strict check is needed?

Bug #7383: Use stricter cache check in load.c
https://bugs.ruby-lang.org/issues/7383#change-33097

Author: funny_falcon (Yura Sokolov)
Status: Open
Priority: High
Assignee: h.shirosaki (Hiroshi Shirosaki)
Category: core
Target version: 2.0.0
ruby: ruby 2.0.0dev (2012-11-18 trunk 37708) [x86_64-linux]

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http://bugs.ruby-lang.org/

### #3 - 11/22/2012 11:54 PM - h.shirosaki (Hiroshi Shirosaki)

On Thu, Nov 22, 2012 at 6:09 PM, Юрий Соколов funny_falcon@gmail.com wrote:

Adding size check is enough in this case.
But rb_ary_dup_of_p is more useful in the wild, I think.

OK. Then I'll apply my patch for now. If real issues were raised, I'll consider your patch.

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Hiroshi Shirosaki

#4 - 11/22/2012 11:55 PM - Anonymous
- Status changed from Open to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r37808.
Yura, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

Fix cache validity check of require

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Files

0001-Fix-cache-validity-check-of-require.patch 2.57 KB 11/19/2012 h.shirosaki (Hiroshi Shirosaki)