Ruby master - Bug #14687
TestM17N#test_str_dump, String.dump, frozen-string
04/13/2018 03:22 AM - MSP-Greg (Greg L)

Status: Closed
Priority: Normal
Assignee:
Target version:
ruby -v: ruby 2.6.0dev (2018-04-12 trunk 63140) [x64-mingw32]
Backport: 2.3: REQUIRED, 2.4: REQUIRED, 2.5: REQUIRED

Description
The test TestM17N#test_str_dump located in test/ruby/test_m17n.rb (link at
https://github.com/ruby/ruby/blob/83c961665def138e78a66d8bef0b4fa1da49ac69/test/ruby/test_m17n.rb#L324-L363), fails when run
with frozen-string.

The test is similar to
def test_str_dump
  # Note: several array elements removed to shorten
  [
    "\u3042".encode("UTF-16LE"),
    "\u3042".encode("UTF-16BE"),
  ].each do |str|
    assert_equal(str, eval(str.dump), "[ruby-dev:33142"]
  end
end

Since the following
"\u3042".encode("UTF-16LE").dump #=> "B0".force_encoding("UTF-16LE")
"\u3042".encode("UTF-16BE").dump #=> "0B".force_encoding("UTF-16BE")

When eval'd by the test, there is a failure due to the string being frozen. Not being a c type, not really sure what the solution is.

Possibly change line 5969 of string.c from

static const char nonascii_suffix[] = ".force_encoding("%s")";

to

static const char nonascii_suffix[] = "dup.force_encoding("%s")";

Thanks, Greg

Associated revisions
Revision cea438b0 - 04/16/2018 07:12 AM - nobu (Nobuyoshi Nakada)
string.c: fix dumped suffix

  * string.c (rb_str_dump): get rid of an error on evaling with frozen-string-literal enabled. [ruby-core:86539] [Bug #14687]

  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63164 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 63164 - 04/16/2018 07:12 AM - nobu (Nobuyoshi Nakada)
string.c: fix dumped suffix

  * string.c (rb_str_dump): get rid of an error on evaling with frozen-string-literal enabled. [ruby-core:86539] [Bug #14687]

Revision 63164 - 04/16/2018 07:12 AM - nobu (Nobuyoshi Nakada)
string.c: fix dumped suffix

  * string.c (rb_str_dump): get rid of an error on evaling with frozen-string-literal enabled. [ruby-core:86539] [Bug #14687]
Revision 63170 - 04/17/2018 04:12 AM - nobu (Nobuyoshi Nakada)

string.c: suppress warning
   - string.c (str_undump): get rid of warning C4129 by VC.

History

#1 - 04/13/2018 03:22 AM - MSP-Greg (Greg L)
   - ruby -v set to ruby 2.6.0dev (2018-04-12 trunk 63140) [x64-mingw32]

#2 - 04/16/2018 07:12 AM - nobu (Nobuyoshi Nakada)
   - Status changed from Open to Closed

   Applied in changeset trunk|r63164.

string.c: fix dumped suffix
   - string.c (rb_str_dump): get rid of an error on evaling with frozen-string-literal enabled. [ruby-core:86539] [Bug #14687]

#3 - 04/17/2018 12:45 PM - nobu (Nobuyoshi Nakada)
   - Backport changed from 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN to 2.3: REQUIRED, 2.4: REQUIRED, 2.5: REQUIRED