

Ruby master - Bug #7231

StringIO inconsistently raises IOError or RuntimeError if the string is frozen

10/29/2012 04:00 AM - brixen (Brian Shirai)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:	2.0.0	
ruby -v:	ruby 1.9.3p286 (2012-10-12 revision 37165) [x86_64-darwin10.8.0]	

Description

StringIO#ungetc, #ungetbyte raise RuntimeError if the data string is frozen. StringIO#write raises IOError.

Why?

```
1.9.3p286 :001 > require 'stringio'
=> true
1.9.3p286 :002 > s = StringIO.new x = "abc"
=> #StringIO:0x00000101020038
1.9.3p286 :003 > x.freeze
=> "abc"
1.9.3p286 :004 > s.ungetbyte 0x42
RuntimeError: can't modify frozen String
from (irb):4:in ungetbyte'
from (irb):4
from /Users/brian/.rvm/rubies/ruby-1.9.3-p286/bin/irb:16:in'
1.9.3p286 :005 > s.ungetc "w"
RuntimeError: can't modify frozen String
from (irb):5:in ungetc'
from (irb):5
from /Users/brian/.rvm/rubies/ruby-1.9.3-p286/bin/irb:16:in'
1.9.3p286 :006 > s.write "d"
IOError: not modifiable string
from (irb):6:in write'
from (irb):6
from /Users/brian/.rvm/rubies/ruby-1.9.3-p286/bin/irb:16:in'
```

Thanks,
Brian

Associated revisions

Revision cd453f16 - 12/27/2012 11:43 AM - glass

- ext/stringio/stringio.c (strio_ungetc): raise IOError instead of RuntimeError if the string is frozen.
[Bug #7231] [ruby-core:48530]
- ext/stringio/stringio.c (strio_ungetbyte): ditto.
- test/stringio/test_stringio.rb: a test for above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38628 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38628 - 12/27/2012 11:43 AM - glass

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Revision 38628 - 12/27/2012 11:43 AM - Glass_saga (Masaki Matsushita)

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History

#1 - 11/06/2012 12:25 AM - mame (Yusuke Endoh)

Indeed. I think that it should raise IOError constantly. Any opinion?
Anyone could create a patch, please?

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Yusuke Endoh mame@tsg.ne.jp

#2 - 12/21/2012 10:54 PM - usa (Usaku NAKAMURA)

- Category set to ext
- Status changed from Open to Assigned
- Assignee set to nobu (Nobuyoshi Nakada)
- Target version set to 2.0.0

#3 - 12/25/2012 12:01 PM - Glass_saga (Masaki Matsushita)

- File patch.diff added

How about the patch?

#4 - 12/27/2012 08:43 PM - Anonymous

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r38628.
Brian, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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Files

patch.diff	1.21 KB	12/25/2012	Glass_saga (Masaki Matsushita)
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