

## Ruby master - Bug #13675

### Should Zlib::GzipReader#ungetc accept nil?

06/23/2017 12:42 PM - Eregon (Benoit Daloze)

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-linux]	<b>Backport:</b> 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN
<b>Description</b>	
IO#ungetc accepts nil and just does nothing: <pre>p File.new(__FILE__).ungetc(nil)</pre>	
But on a GzipReader it fails: <pre>require 'zlib' zip = "\x1F\x8B\b\x00,\xDC\xD1G\x00\x0334261MLJNI\x05\x00\x9D\x05\x00\$\n\x00\x00\x00" io = StringIO.new zip gz = Zlib::GzipReader.new(io) p gz.ungetc(nil) # =&gt; repro.rb:8:in `ungetc': no implicit conversion of nil into String (TypeError)     from repro.rb:8:in `<main>'</main></pre>	
Should Zlib::GzipReader#ungetc accept nil? Or should IO#ungetc also raise when given nil?	
Discovered in <a href="https://github.com/jruby/jruby/pull/4636#issuecomment-305325839">https://github.com/jruby/jruby/pull/4636#issuecomment-305325839</a>	

### History

#### #1 - 06/23/2017 03:57 PM - shevegen (Robert A. Heiler)

I like symmetry. :)

#### #2 - 11/29/2017 09:24 AM - matz (Yukihiro Matsumoto)

Making Zlib::GzipReader#ungetc accept nil does not help anybody. You should keep as it is. I am not sure if we should fix IO#ungetc or not (yet). Let me consider.

Matz.

#### #3 - 12/01/2017 07:01 PM - Eregon (Benoit Daloze)

matz (Yukihiro Matsumoto) wrote:

Making Zlib::GzipReader#ungetc accept nil does not help anybody. You should keep as it is.

Agreed.

I am not sure if we should fix IO#ungetc or not (yet). Let me consider.

I think we should, it seems a bug to me.

#### #4 - 08/25/2019 06:28 PM - jeremyevans0 (Jeremy Evans)

- *File io-ungetc-nil-13675.patch added*

If we want to fix IO#ungetc, attached is a patch that will fix it.

### Files

