Ruby master - Bug #11058

[PATCH] Net::HTTPResponse#read_body raises TypeError when receiving empty gzipped response body

04/11/2015 09:00 AM - ktsj (Kazuki Tsujimoto)

Status: Closed
Priority: Normal
Assignee: naruse (Yui NARUSE)
Target version: ruby 2.3.0dev (2015-04-11 master 50228) [x86_64-linux]
Backport: 2.0.0: REQUIRED, 2.1: DONE, 2.2: DONE

Description
Following code raises TypeError.

```ruby
require 'net/http'

def dummy_io(str)
  str = str.gsub(/\n/, "\r\n")
  Net::BufferedIO.new(StringIO.new(str))
end

io = dummy_io-prepend(<<EOS)
HTTP/1.1 200 OK
Connection: close
Content-Encoding: deflate
Content-Length: 0
EOS

res = Net::HTTPResponse.read_new(io)
res.decode_content = true
res.reading_body io, true do
  res.read_body
end

There are two problems.

(1) In Net::HTTPResponse#inflater, e may be nil and causes TypeError if inflate_body_io.finish failed.

```ruby
begin
  yield inflate_body_io
ensure
  e = $!
begin
  inflate_body_io.finish
rescue
  raise e
end
end

(2) Zlib::ZStream#finish raises Zlib::BufError when inflating an empty string, so we should avoid calling #finish in such case.

```ruby
require 'zlib'
inflate = Zlib::Inflate.new
inflated.inflate('')
inflated.finish #=> Zlib::BufError: buffer error
```
lib/net/http/response.rb (Net::HTTPResponse#inflater): fix TypeError. An exception object might be nil. [ruby-core:68846] [Bug #11058]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@51464 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 51464 - 08/01/2015 08:22 AM - ktsj (Kazuki Tsujimoto)

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test/net/http/test_httpresponse.rb: tests for the above.

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Revision 070afc69 - 08/12/2015 04:23 PM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 51464,51465: [Backport #11058]

* lib/net/http/response.rb (Net::HTTPResponse#inflater):
  fix TypeError. An exception object might be nil.
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* lib/net/http/response.rb (Net::HTTPResponse::Inflater#finish):
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@51555 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 51555 - 08/12/2015 04:23 PM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 51464,51465: [Backport #11058]

* lib/net/http/response.rb (Net::HTTPResponse#inflater):
  fix TypeError. An exception object might be nil.
  [ruby-core:68846] [Bug #11058]

* lib/net/http/response.rb (Net::HTTPResponse::Inflater#finish):
  fix a bug that empty gzipped response body causes Zlib::BufError.
  [ruby-core:68846] [Bug #11058]

* test/net/http/test_httpresponse.rb: tests for the above.

Revision a5ffcdae - 08/17/2015 08:39 AM - usa (Usaku NAKAMURA)
merge revision(s) 46681,51464,51465: [Backport #11058]

* lib/net/http/response.rb (Net::HTTPResponse.each_response_header):
  raise first exception even if inflate_body_io.finish raises error.
  when begin block raises error, finish usually raises error too.

* lib/net/http/response.rb (Net::HTTPResponse#inflater):
  fix TypeError. An exception object might be nil.
  [ruby-core:68846] [Bug #11058]
Revision 51609 - 08/17/2015 08:39 AM - usa (Usaku NAKAMURA)
merge revision(s) 46681,51464,51465: [Backport #11058]

* lib/net/http/response.rb (Net::HTTPResponse::Inflater#finish):
  fix a bug that empty gzipped response body causes Zlib::BufError.
  [ruby-core:68846] [Bug #11058]
* test/net/http/test_httpresponse.rb: tests for the above.

Revision b425d411 - 09/07/2016 06:06 AM - ktsj (Kazuki Tsujimoto)

  ● lib/csv.rb (CSV::{Row,Table}#{each,delete_if}): returns an enumerator
    if no block is given. [ruby-core:75346] [Feature #11058]

  ● test/csv/test_row.rb: add test for above.

  ● test/csv/test_table.rb: ditto.

Revision 56083 - 09/07/2016 06:06 AM - ktsj (Kazuki Tsujimoto)

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- test/csv/test_row.rb: add test for above.
- test/csv/test_table.rb: ditto.

History

#1 - 07/28/2015 09:13 PM - naruse (Yui NARUSE)
Almost are ok.
One thing in 0002-lib-net-http-response.rb-Net-HTTPResponse-Inflater.patch, use @inflate.total_in instead of @bytes_read. After fix that, please commit them by yourself

#2 - 07/29/2015 04:18 PM - ktsj (Kazuki Tsujimoto)
Oops, I overlooked Inflate#total_in.
Thank you for your reviewing.

#3 - 08/01/2015 08:23 AM - ktsj (Kazuki Tsujimoto)
- Status changed from Assigned to Closed

Applied in changeset r51464.

- lib/net/http/response.rb (Net::HTTPResponse#inflater): fix TypeError. An exception object might be nil. [ruby-core:68846] [Bug #11058]

#4 - 08/12/2015 04:23 PM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: REQUIRED to 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: DONE

Backported into ruby_2_2 branch at r51555.

#5 - 08/17/2015 08:40 AM - usa (Usaku NAKAMURA)
- Backport changed from 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: DONE to 2.0.0: DONE, 2.1: DONE, 2.2: DONE

ruby_2_1 r51609 merged revision(s) 46681,51464,51465.
note: r46681 was not backported into ruby_2_1, so it is also backported with these changes.

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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</thead>
<tbody>
<tr>
<td>0002-lib-net-http-response.rb-Net-HTTPResponse-Inflater.patch</td>
<td>2.78 KB</td>
<td>04/11/2015</td>
<td>ktsj (Kazuki Tsujimoto)</td>
</tr>
</tbody>
</table>