

Ruby - Bug #15642

IO#readline chomp: true

03/06/2019 07:37 AM - tomog105 (Tomohiro Ogoke)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.7.0dev (2019-03-06 trunk 67174) [x86_64-darwin18]	Backport: 2.4: DONE, 2.5: DONE, 2.6: DONE

Description

IO#readline chomp: true

8,192 n + 1

"\r\n" "\n"

IO#each_line

rs "\r\n"

require 'tempfile'

(1..10).each do |i|

 Tempfile.open do |tmp|

 tmp.write("a" * ((8192 * i) - 4) + "\r\n" + "a\r\n")

 tmp.flush

 p "size: #{tmp.size} result: " + File.open(tmp, "rb").readlines(chomp: true).last

 end

end

result: a

trunk (2.7.0dev), 2.6.1, 2.5.3, 2.4.5 result: a\r

\$ RBENV_VERSION=2.7.0-dev ruby -v test_chomp.rb

ruby 2.7.0dev (2019-03-06 trunk 67174) [x86_64-darwin18]

"size: 8193 result: a\r"

"size: 16385 result: a\r"

"size: 24577 result: a\r"

"size: 32769 result: a\r"

"size: 40961 result: a\r"

"size: 49153 result: a\r"

"size: 57345 result: a\r"

"size: 65537 result: a\r"

"size: 73729 result: a\r"

"size: 81921 result: a\r"

\$ RBENV_VERSION=2.6.1 ruby -v test_chomp.rb

ruby 2.6.1p33 (2019-01-30 revision 66950) [x86_64-darwin18]

"size: 8193 result: a\r"

"size: 16385 result: a\r"

"size: 24577 result: a\r"

"size: 32769 result: a\r"

"size: 40961 result: a\r"

"size: 49153 result: a\r"

"size: 57345 result: a\r"

"size: 65537 result: a\r"

"size: 73729 result: a\r"

```
"size: 81921 result: a\r"

$ RBENV_VERSION=2.5.3 ruby -v test_chomp.rb
ruby 2.5.3p105 (2018-10-18 revision 65156) [x86_64-darwin18]
"size: 8193 result: a\r"
"size: 16385 result: a\r"
"size: 24577 result: a\r"
"size: 32769 result: a\r"
"size: 40961 result: a\r"
"size: 49153 result: a\r"
"size: 57345 result: a\r"
"size: 65537 result: a\r"
"size: 73729 result: a\r"
"size: 81921 result: a\r"

$ RBENV_VERSION=2.4.5 ruby -v test_chomp.rb
ruby 2.4.5p335 (2018-10-18 revision 65137) [x86_64-darwin18]
"size: 8193 result: a\r"
"size: 16385 result: a\r"
"size: 24577 result: a\r"
"size: 32769 result: a\r"
"size: 40961 result: a\r"
"size: 49153 result: a\r"
"size: 57345 result: a\r"
"size: 65537 result: a\r"
"size: 73729 result: a\r"
"size: 81921 result: a\r"
```

Associated revisions

Revision 23488589b38f09a95e7ba61a72b12358ad6185cb - 03/07/2019 05:11 AM - nobu (Nobuyoshi Nakada)

io.c: chomp CR at the end of read buffer

- io.c (rb_io_getline_fast): chomp CR followed by LF but separated by the read buffer boundary. [ruby-core:91707] [Bug #15642]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@67188 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision 7bd41bd2cae0435301b46d845986c1410bbc8323 - 03/07/2019 03:19 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 67188: [Backport #15642]

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* io.c (rb_io_getline_fast): chomp CR followed by LF but separated
by the read buffer boundary. [ruby-core:91707] [Bug #15642]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@67191 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 7bd41bd2cae0435301b46d845986c1410bbc8323 - 03/07/2019 03:19 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 67188: [Backport #15642]

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@67191 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 7bd41bd2 - 03/07/2019 03:19 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 67188: [Backport #15642]

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@67191 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d27ee2112ff81d4d445a2a9bd6df538aca16f1fd - 03/11/2019 06:45 AM - naruse (Yui NARUSE)

merge revision(s) 67188: [Backport #15642]

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* io.c (rb_io_getline_fast): chomp CR followed by LF but separated  
by the read buffer boundary. [ruby-core:91707] [Bug #15642]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@67207 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d27ee2112ff81d4d445a2a9bd6df538aca16f1fd - 03/11/2019 06:45 AM - naruse (Yui NARUSE)

merge revision(s) 67188: [Backport #15642]

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* io.c (rb_io_getline_fast): chomp CR followed by LF but separated  
by the read buffer boundary. [ruby-core:91707] [Bug #15642]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@67207 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d27ee211 - 03/11/2019 06:45 AM - naruse (Yui NARUSE)

merge revision(s) 67188: [Backport #15642]

```
io.c: chomp CR at the end of read buffer
```

```
* io.c (rb_io_getline_fast): chomp CR followed by LF but separated  
by the read buffer boundary. [ruby-core:91707] [Bug #15642]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@67207 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 7a27746ececbbfee90203e8f3816e6e80d6c65d3b - 03/31/2019 02:58 PM - U.Nakamura

merge revision(s) 67188: [Backport #15642]

```
io.c: chomp CR at the end of read buffer
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```
* io.c (rb_io_getline_fast): chomp CR followed by LF but separated  
by the read buffer boundary. [ruby-core:91707] [Bug #15642]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@67391 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 7a27746ececbbfee90203e8f3816e6e80d6c65d3b - 03/31/2019 02:58 PM - U.Nakamura

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@67391 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 7a27746e - 03/31/2019 02:58 PM - U.Nakamura

merge revision(s) 67188: [Backport #15642]

```
io.c: chomp CR at the end of read buffer
```

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* io.c (rb_io_getline_fast): chomp CR followed by LF but separated
by the read buffer boundary. [ruby-core:91707] [Bug #15642]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@67391 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 03/06/2019 10:24 PM - alanwu (Alan Wu)

I ran the repro script on my Mac and I get

```
"size: 8194 result: a"
"size: 16386 result: a"
"size: 24578 result: a"
"size: 32770 result: a"
"size: 40962 result: a"
"size: 49154 result: a"
"size: 57346 result: a"
"size: 65538 result: a"
"size: 73730 result: a"
"size: 81922 result: a"
```

This might be caused by IO#write not flushing to the file. The following might get you the desired output:

```
--- a/repro.rb
+++ b/repro1.rb
@@ -3,6 +3,7 @@ require 'tempfile'
 (1..10).each do |i|
   Tempfile.open do |tmp|
     tmp.write("a" * ((8192 * i) - 3) + "\r\n" + "a\r\n")
+   tmp.flush
     p "size: #{tmp.size} result: " + File.open(tmp, "rb").readlines(chomp: true).last
   end
 end
```

#2 - 03/07/2019 02:12 AM - tomog105 (Tomohiro Ogoke)

[@alanwu \(Alan Wu\)](#), Thanks your feedbacks.

Sorry, There was an error in the repro script.

The correct repro script including your feedback is as follows.

repro script:

```
require 'tempfile'

(1..10).each do |i|
  Tempfile.open do |tmp|
    tmp.write("a" * ((8192 * i) - 4) + "\r\n" + "a\r\n")
    tmp.flush
    p "size: #{tmp.size} result: " + File.open(tmp, "rb").readlines(chomp: true).last
  end
end
```

results:

```
"size: 8193 result: a\r"
"size: 16385 result: a\r"
"size: 24577 result: a\r"
"size: 32769 result: a\r"
"size: 40961 result: a\r"
"size: 49153 result: a\r"
"size: 57345 result: a\r"
"size: 65537 result: a\r"
"size: 73729 result: a\r"
"size: 81921 result: a\r"
```

#3 - 03/07/2019 02:13 AM - tomog105 (Tomohiro Ogoke)

- Description updated

#4 - 03/07/2019 05:06 AM - nobu (Nobuyoshi Nakada)

- Backport changed from 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN to 2.4: REQUIRED, 2.5: REQUIRED, 2.6: REQUIRED

#5 - 03/07/2019 05:11 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset trunk|r67188.

io.c: chomp CR at the end of read buffer

- io.c (rb_io_getline_fast): chomp CR followed by LF but separated by the read buffer boundary. [\[ruby-core:91707\]](#) [Bug [#15642](#)]

#6 - 03/07/2019 03:19 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.4: REQUIRED, 2.5: REQUIRED, 2.6: REQUIRED to 2.4: REQUIRED, 2.5: DONE, 2.6: REQUIRED

ruby_2_5 r67191 merged revision(s) 67188.

#7 - 03/08/2019 02:55 AM - tomog105 (Tomohiro Ogoke)

I confirmed that it was fixed, thanks.

```
$ RBENV_VERSION=2.7.0-dev ruby -v test_chomp.rb
ruby 2.7.0dev (2019-03-08 trunk 67194) [x86_64-darwin18]
"size: 8193 result: a"
"size: 16385 result: a"
"size: 24577 result: a"
"size: 32769 result: a"
"size: 40961 result: a"
"size: 49153 result: a"
"size: 57345 result: a"
"size: 65537 result: a"
"size: 73729 result: a"
"size: 81921 result: a"
```

#8 - 03/11/2019 06:45 AM - naruse (Yui NARUSE)

- Backport changed from 2.4: REQUIRED, 2.5: DONE, 2.6: REQUIRED to 2.4: REQUIRED, 2.5: DONE, 2.6: DONE

ruby_2_6 r67207 merged revision(s) 67188.

#9 - 03/31/2019 02:58 PM - usa (Usaku NAKAMURA)

- Backport changed from 2.4: REQUIRED, 2.5: DONE, 2.6: DONE to 2.4: DONE, 2.5: DONE, 2.6: DONE

ruby_2_4 r67391 merged revision(s) 67188.