

Ruby trunk - Bug #13835

Using 'open-uri' with 'tempfile' causes an exception

08/22/2017 08:18 AM - thorsteneckel (Thorsten Eckel)

Status: Open	
Priority: Normal	
Assignee:	
Target version:	
ruby -v:	Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN
Description	
Hi there,	
try this in your current ruby env:	
<pre>require 'tempfile' require 'open-uri' temp_file = Tempfile.new open(temp_file, 'a')</pre>	
Get this:	
<pre>/Users/~/.rvm/rubies/ruby-2.4.1/lib/ruby/2.4.0/tempfile.rb:142:in `open': wrong number of argument s (given 1, expected 0) (ArgumentError) from /Users/~/.rvm/rubies/ruby-2.4.1/lib/ruby/2.4.0/open-uri.rb:31:in `open' from debug.rb:5:in `<main>'</main></pre>	
I created the pull request https://github.com/ruby/ruby/pull/1680 as a proposal. It's based on the previous pull request https://github.com/ruby/ruby/pull/1675 and feedback of nobu (Nobuyoshi Nakada) .	
Greetings.	

History

#1 - 08/22/2017 02:48 PM - shevegen (Robert A. Heiler)

Indeed, sounds like a bug; at the least it is somewhat surprising behaviour to me. Not that I think I would have ever found the above behaviour, I always used open-uri with a remote URL so far. :)

#2 - 08/22/2017 09:35 PM - kigster (Konstantin Gredeskoul)

shevegen (Robert A. Heiler) wrote:

Indeed, sounds like a bug; at the least it is somewhat surprising behaviour to me. Not that I think I would have ever found the above behaviour, I think I always used open-uri with a remote URL so far. :)

Hm, as I remember, the first argument to open should be a URI or a path, not a Tempfile instance, right?

In other words, changing the above example to open(temp_file.path, 'a') fixes the error for me.

#3 - 08/25/2017 02:03 AM - kernigh (George Koehler)

Turns out that open(temp_file, 'a') works with the original open, but fails after loading open-uri.

This is because the instances of Tempfile respond to to_path, just like instances of File or Pathname. So open(temp_file, 'a') acts like open(temp_file.to_path, 'a'). I was confused because the documentation for Kernel.open (and other methods like File.path) has no mention of to_path. I needed to read Ruby's source code to learn about it.

The bug happens after loading open-uri. Then open(temp_file, 'a') tries to call temp_file.open('a'), but Tempfile#open fails to do what open-uri expects, and instead raises the ArgumentError.