Ruby master - Bug #11909

io.popen problem in 2.2 and over

12/28/2015 03:42 PM - pierisimone (Simone Pieri)

Status: Rejected
Priority: Normal
Assignee: nobu (Nobuyoshi Nakada)
Target version:
ruby -v: ruby 2.2.4p230 (2015-12-16 revision 53155) [x86_64-linux]
Backport: 2.2: UNKNOWN

Description
Hi, I have a ruby program (prova5.rb) that contains libxml prase and a find. With Ruby 2.1.8 I have no problem, even if I execute it via "ruby prova5.rb" than if I execute it via io.popen in prova2.rb.

In a 2.2.4 environment I have success if I execute "ruby prova5.rb", but xml find stucks if I execute it via prova2.rb.

I attach prova5.rb, prova2.rb out218.txt and out224.txt.

Same problem in all 2.2 versions.

Thanks

History

#1 - 12/28/2015 11:46 PM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Feedback

Since I haven't installed libxml, tried with mere puts, and couldn't reproduce it.
Can you reproduce it without libxml?

#2 - 12/29/2015 11:11 AM - pierisimone (Simone Pieri)

Hi,
our problem is that we really need libxml, so it's not interesting to try without....

#3 - 12/29/2015 03:58 PM - pierisimone (Simone Pieri)
- Assignee set to nobu (Nobuyoshi Nakada)

#4 - 12/29/2015 10:21 PM - nobu (Nobuyoshi Nakada)

We have to tell if libxml is mandatory to reproduce it or not.

#5 - 12/29/2015 10:42 PM - duerst (Martin Dürst)

Simone Pieri wrote:

our problem is that we really need libxml, so it's not interesting to try without....

Ruby is an open source project. We depend on help from everybody; we don't have the time to do the heavy lifting for you. Many of the core contributors are very ready to help if you are also ready to help. If you can't reproduce the problem without libxml, then the problem may be with libxml itself, so this may be the wrong place to report it.

#6 - 12/30/2015 08:40 AM - pierisimone (Simone Pieri)

OK, excuse me, we have a problem with libxml if it's called via io.popen. I don't want any "heavy lifting" for me ...
I can't reproduce the problem without libxml because I don't have a problem without libxml, like Nobuyoshi says. And ok, libxml is mandatory to reproduce it. And no, Martin, the problem isn't with libxml itself, if you launch "ruby prova5.rb" all is ok... The problem is that if you launch "ruby prova2.rb" (that executes prova5.rb via io.popen) you have the problem. So, I think that the problem is in libxml when it's invoked by io.popen. But Martin, if it's only a waste of your precious time, leave it unresolved and watch beyond. I'll continue to try to resolve the problem and, if I find solution, I'll post here.
Best regards

#7 - 12/30/2015 10:15 AM - pierisimone (Simone Pieri)
Hi all, I have a confirmation... The problem is with libxml-ruby invoked by io.popen. If we try with Nokogiri all is ok.
So, do you think I have to submit the problem to libxml-ruby gem team or do you think it may be a problem related to io.popen ?
I attach some files to reproduce and document it.

#8 - 01/05/2016 12:15 PM - jwille (Jens Wille)
I don't have time to investigate further right now, but the problem is that the output of prova5.rb gets buffered. The find and everything else executes just fine. You can work around this problem by adding $stdout.sync = true at the beginning of your script or by adding $stdout.flush at the end.

#9 - 01/05/2016 12:25 PM - jwille (Jens Wille)
Associated libxml-ruby issue: #115.
Related libxml-ruby issue: #109 (executing test.rb via IO.popen exhibits the same problem).

#10 - 01/05/2016 03:23 PM - pierisimone (Simone Pieri)
Hi all and thanks to Jens !
If I add $stdout.sync at the beginning of prova5.rb and $stdout.flush at the end all runs OK !!!!
Yesterday we substitute our logic with Nokogiri, but now we can return back to libxml-ruby (it's faster...).
Thanks a lot, we can close this issue

#11 - 11/05/2016 03:55 PM - akr (Akira Tanaka)
- Status changed from Feedback to Rejected