Spawn doesn't work with options of symbol keys generated dynamically

07/13/2017 11:44 AM - satoryu (Tatsuya Sato)

Status: Closed
Priority: Normal
Assignee:
Target version:
ruby -v: ruby 2.5.0dev (2017-07-13 trunk 59321) [x86_64-darwin16]  
Backport: 2.2: REQUIRED, 2.3: DONE, 2.4: DONE

Description
spawn works when giving options whose key is symbol literal:

$ ruby -e 'spawn(\"ls\", :rlimit_cpu => 100)' 

But spawn fails when generating symbol from a String:

$ ruby -e 'spawn(\"ls\", "rlimit_cpu".to_sym => 100)'  
-e:1:in `spawn': wrong exec option symbol: rlimit_cpu (ArgumentError)  
from -e:1:in `<main>'

Associated revisions
Revision 5c4db58b - 07/13/2017 08:47 PM - normal
process.c: handle dynamic :rlimit_* symbols in spawn execopts

- process.c (rb_execarg_addopt_rlimit): hoist out of rb_execarg_addopt (rlimit_type_by_sym): new wrapper for dynamic symbol (rb_execarg_addopt): check for dsym via rlimit_type_by_sym  
- test/ruby/test_process.rb (test_execopts_rlimit): check dsym w/o pindown Add extra check for bogus rlimit args, too. [ruby-core:82033] [Bug #13744]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59322 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 59322 - 07/13/2017 08:47 PM - normalperson (Eric Wong)
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Revision 1e84c834 - 07/14/2017 04:43 AM - nobu (Nobuyoshi Nakada)
process.c: null bytes

- process.c (rlimit_type_by_sym): prohibit null bytes in key names. [ruby-core:82033] [Bug #13744]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59325 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

05/10/2020
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merge revision(s) 59322,59325: [Backport #13744]

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@59531 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59809 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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History

#1 - 07/13/2017 12:31 PM - shevegen (Robert A. Heiler)
Very interesting behaviour. I would have assumed for both to behave the same in the above case.

#2 - 07/13/2017 01:14 PM - Hanmac (Hans Mackowiak)
hm on my windows machine:
ruby -e 'spawn("ls", :rlimit_cpu => 100)'
causes a syntax error

PS: i did install ruby in my mingw (ruby 2.3.3p222), there i get similar problem like yours:

$ ruby -e 'spawn("ls", :rlimit_cpu => 100)'
-e:1:in `spawn': Invalid argument - setrlimit (Errno::EINVAL)
  from -e:1:in `<main>''
this was suspected because my machine doesn't support it

$ ruby -e 'spawn("ls", :rlimit_cpu.to_sym => 100)'
-e:1:in `spawn': wrong exec option symbol: rlimit_cpu (ArgumentError)
  from -e:1:in `<main>''
this was the same error as yours.
seems it has a difference between a symbol literal and a real symbol at this part of code

#3 - 07/13/2017 08:02 PM - normalperson (Eric Wong)
satoryu.1981@gmail.com wrote:

But spawn fails when generating symbol from a String:

$ ruby -e 'spawn("ls", :rlimit_cpu.to_sym => 100)'
-e:1:in 'spawn': wrong exec option symbol: rlimit_cpu (ArgumentError)
  from -e:1:in `<main>''
This seems to be a problem with dynamic symbols, investigating...

#4 - 07/13/2017 08:47 PM - Anonymous
- Status changed from Open to Closed

Applied in changeset trunk|r59322.

#5 - 07/13/2017 09:15 PM - normalperson (Eric Wong)
- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN to 2.2: REQUIRED, 2.3: REQUIRED, 2.4: REQUIRED
- Status changed from Closed to Open

05/10/2020
fixed in r59322, will need backports

#6 - 07/13/2017 09:16 PM - normalperson (Eric Wong)
- Status changed from Open to Closed
  reclosing to trigger backport request

#7 - 08/09/2017 08:03 AM - usa (Usaku NAKAMURA)
- Backport changed from 2.2: REQUIRED, 2.3: REQUIRED, 2.4: REQUIRED to 2.2: REQUIRED, 2.3: DONE, 2.4: REQUIRED

ruby_2_3 r59531 merged revision(s) 59322,59325.

#8 - 09/10/2017 02:58 AM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.2: REQUIRED, 2.3: DONE, 2.4: REQUIRED to 2.2: REQUIRED, 2.3: DONE, 2.4: DONE

ruby_2_4 r59809 merged revision(s) 59322,59325.