

Ruby trunk - Bug #15621

system({}, ...) breaks nonascii ENV["PATH"] on Windows

02/25/2019 08:51 AM - kenhys (Kentaro Hayashi)

Status: Open	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: ruby 2.6.1p33 (2019-01-30 revision 66950) [x64-mingw32]	Backport: 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN

Description

Problem

It seems that system({}, ...) breaks nonascii ENV["PATH"] after execution. system(...) isn't affected. Only system(env, ...) is affected.

OS: Windows 7

Ruby: <https://github.com/oneclick/rubyinstaller2/releases/download/RubyInstaller-2.6.1-1/rubyinstaller-2.6.1-1-x64.exe>

chcp: 932

Expected

system({}, ...) doesn't break nonascii ENV["PATH"] environment variable after execution.

Actual

Here is the sample code to reproduce this issue.

```
cat break-env-system.rb
# coding: cp932
ENV["PATH"] = [
  " ",
  ENV["PATH"],
].join(File::PATH_SEPARATOR)

env = {}
p ENV["PATH"]
system(env, "echo")
p ENV["PATH"]
```

It produces the following output:

```
" ;%SystemRoot%\system32\WindowsPowerShell\v1.0\;C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Program Files (x86)\Windows Kits\8.1\Windows Performance Toolkit\;C:\Program Files\CMake\bin;C:\GnuWin32\bin;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Program Files\patch-2.5.9-7-bin\bin;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Ruby26-x64\bin"
ECHO <ON>
"?C??X?g?[?;?;%SystemRoot%\system32\WindowsPowerShell\v1.0\;C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Program Files (x86)\Windows Kits\8.1\Windows Performance Toolkit\;C:\Program Files\CMake\bin;C:\GnuWin32\bin;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Program Files\patch-2.5.9-7-bin\bin;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Ruby26-x64\bin"
```

If system("echo") is used instead of system({}, "echo"), ENV["PATH"] is not broken.

Files

break-env-system.rb

163 Bytes

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kenhys (Kentaro Hayashi)