Ruby master - Bug #5637
warnings of shellescape

11/15/2011 04:29 PM - znz (Kazuhiro NISHIYAMA)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>knu (Akinori MUSHA)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>-</td>
</tr>
</tbody>
</table>

Description

Associated revisions

Revision d367b1b9 - 01/01/2012 03:26 AM - knu (Akinori MUSHA)
- lib/shellwords.rb (Shellwords#shellescape): Drop the /n flag that only causes warnings with no real effect. [Bug #5637]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34166 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 34166 - 01/01/2012 03:26 AM - knu (Akinori MUSHA)
- lib/shellwords.rb (Shellwords#shellescape): Drop the /n flag that only causes warnings with no real effect. [Bug #5637]

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Revision b760f18a - 02/12/2012 07:38 AM - knu (Akinori MUSHA)
merge revision(s) 34166:
- lib/shellwords.rb (Shellwords#shellescape): Drop the /n flag that only causes warnings with no real effect. [Bug #5637]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@34570 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 11/15/2011 04:53 PM - znz (Kazuhiro NISHIYAMA)
- ruby -v changed from ruby 2.0.0dev (2011-11-15 trunk 33753) [x86_64-linux] to -

redmine あらためて確認しました。
Shellwords.shellescape で警告が出ます。
% ./ruby -v -r shellwords -e 'p Shellwords.shellescape("\u3042")'
ruby 2.0.0dev (2011-11-15 trunk 33753) [x86_64-linux]
/home/chkbuild/tmp/build/ruby-trunk/20111114T222552Z/lib/ruby/1.9.1/shellwords.rb:86: warning: regexp match /.../n against to UTF-8 string
/home/chkbuild/tmp/build/ruby-trunk/20111114T222552Z/lib/ruby/1.9.1/shellwords.rb:86: warning: regexp match /.../n against to UTF-8 string
"\u3042"
エスケープ結果も変だと思います。
エスケープ結果を 1.8.7 にあわせるのなら以下のパッチでどうでしょうか。
diff --git a/lib/shellwords.rb b/lib/shellwords.rb
--- a/lib/shellwords.rb
+++ b/lib/shellwords.rb
@@ -79,11 +79,11 @@ module Shellwords
  str = str.dup
  str = str.dup.force_encoding("ASCII-8BIT")
  # Process as a single byte sequence because not all shell
  # implementations are multibyte aware.
  str.gsub!(/([\w-.,:/@
])/n, "\1")
  # A LF cannot be escaped with a backslash because a backslash + LF
  # combo is regarded as line continuation and simply ignored.
  str.gsub!(/([\w-.,:/@
])/, "\1")
# A LF cannot be escaped with a backslash because a backslash + LF
# combo is regarded as line continuation and simply ignored.
diff --git a/test/test_shellwords.rb b/test/test_shellwords.rb
--- a/test/test_shellwords.rb
+++ b/test/test_shellwords.rb
@@ -36,4 +36,8 @@ class TestShellwords < Test::Unit::TestCase
 shellwords(bad_cmd)
 end
 end
+++ b/test/test_shellwords.rb
@@ -36,4 +36,8 @@ class TestShellwords < Test::Unit::TestCase
 shellwords(bad_cmd)
 end
 end
+    assert_equal "\343\201\202", shellescape("\u3042")
 end
 end

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(ZnZ(ゼット エヌ ゼット)
西山和広(Kazuhiro NISHIYAMA)
#2 - 11/16/2011 08:24 PM - knu (Akinori MUSHA)
- Assignee set to knu (Akinori MUSHA)
#3 - 12/22/2011 07:51 PM - knu (Akinori MUSHA)
- Assignee set to knu (Akinori MUSHA)
#4 - 01/01/2012 12:26 PM - knu (Akinori MUSHA)
This issue was solved with changeset r34166.
Kazuhiro, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- lib/shellwords.rb (Shellwords#shellescape): Drop the /n flag that only causes warnings with no real effect. [Bug #5637]

#5 - 08/07/2012 02:48 AM - dariocravero (Darío Cravero)
Hi,
Thanks for this patch!.. :)
One question though, from comment #3 it's not clear if it's safe to use it in 1.9.3. This is what Google Translator gave me:
"1.9: this behavior was all the way to 1.9.3 now. Turn off warning but does not change as a bug (missing fix of / / n), because the behavior leads to incompatibility."
However, I've applied it and, as expected, I don't see the warning anymore. Still, can you just confirm there're no side effects to this on 1.9.3?
Thanks a million!..

#6 - 08/08/2012 08:25 PM - knu (Akinori MUSHA)
As I documented, it's all up to how you use the resulted string.
If you are going to pass it to a shell that lacks support for the encoding of the string, then you should probably encode the original string in ASCII-8BIT before shell-escaping with shellescape() to get a byte-by-byte escape to make sure the shell won't find a metacharacter inside a multibyte character.
UTF-8 multibyte characters do not contain any ASCII character by design anyway, so most people in the everything-is-UTF-8 world don't even have to care about this.
But, for example, when you have to run a program passing a Shift_JIS string via a shell under a non-Shift_JIS locale, you'd probably have to compose the command line in the ASCII-8BIT encoding so that all shell metacharacters that may appear in Shift_JIS multibyte characters are properly escaped.