

Ruby trunk - Bug #15204

globbing should be prevented when wildcard is surrounded by double quotes in the ruby's command line

10/05/2018 08:23 AM - LeiYuhou (Yuhou Lei)

Status: Open	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: ruby 2.5.1p57 (2018-03-29 revision 63029) [x64-mswin64_140]	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
Description	
script tt like following: <pre>#!/usr/bin/ruby p ARGV</pre>	
if a command line argument contains wildcard such as * or ? is surrounded by double quotes , the script's results are different between Linux and Windows. when run tt in Linux's bash : \$./tt ".txt" it's output is : [".txt"]	
but when run tt in Windows 10(x64)'s Command Prompter cmd.exe : c:> ruby tt.rb "*.exe" it's output is ["a.txt" , "b.txt" , "c.txt"]	
I know , If enclosed with single quote, the behavior are same in Linux and Windows. I think it's behavior should be exactly same whenever any OS or Shell . otherwise it will bring many trouble to developers , think of the following scene users maybe pass asterisk(*) in the command line arguments to my script , to prevent bash to expand it , I will request users to enclose this parameter with double quotes, this will work fine in Linux . but when it 's run in windows , it will fail .	
Bash will expand wildcard with globbing before passing the arguments to ruby process , the function w32_cmdvector in win32/win32.c does the same thing like Bash, Just add a condition , the bug will be fixed.	
Index: win32/win32.c	
<pre>--- win32/win32.c (revision 64922) +++ win32/win32.c (working copy) @@ -1733,7 +1733,7 @@ // N.B. Don't glob if inside a single quoted string // • if (quote != L"") • if (quote != L"\" && quote != L"\"") globbing++; slashes = 0; break;</pre>	

History

#1 - 10/05/2018 08:29 AM - LeiYuhou (Yuhou Lei)

sorry, maybe some text was modified by the bug tracker Editor :-)

In Linux's bash

```
$ ./tt "*.txt"
it's output is : ["*.txt"]
```

my patch's content:

```
Index: win32/win32.c
=====
--- win32/win32.c      (revision 64922)
+++ win32/win32.c      (working copy)
```

```
@@ -1733,7 +1733,7 @@
    // N.B. Don't glob if inside a single quoted string
    //

-     if (quote != L'\''')
+     if (quote != L'\'' && quote != L'\"')
        globbing++;
    slashes = 0;
    break;
```

Files

ruby-changes.patch

350 Bytes

10/05/2018

LeiYuhou (Yuhou Lei)