

How to make Windows command prompt treat single quote as though it is a double quote?

Asked 11 years, 5 months ago Modified 8 years, 3 months ago Viewed 22k times



10



My scenario is simple - I am copying script samples from the [Mercurial online book](#) and pasting them in a Windows command prompt. The problem is that the samples in the book use single quoted strings. When a single quoted string is passed on the Windows command prompt, the latter does not recognize that everything between the single quotes belongs to one string.

For example, the following command:

```
hg commit -m 'Initial commit'
```

cannot be pasted as is in a command prompt, because the latter treats `'Initial commit'` as two strings - `'Initial'` and `commit'`. I have to edit the command after paste and it is annoying.

Is it possible to instruct the Windows command prompt to treat single quotes similarly to the double one?

EDIT

Following the reply by JdeBP I have done a little research. Here is the summary:

- Mercurial entry point looks like so (it is a python program):

```
def run():
    "run the command in sys.argv"
    sys.exit(dispatch(request(sys.argv[1:])))
```

- So, I have created a tiny python program to mimic the command line processing used by mercurial:

```
import sys
print sys.argv[1:]
```

- Here is the Unix console log:

```
[hg@Quake ~]$ python 1.py "1 2 3"
['1 2 3']
[hg@Quake ~]$ python 1.py '1 2 3'
['1 2 3']
[hg@Quake ~]$ python 1.py 1 2 3
```

```
['1', '2', '3']  
[hg@Quake ~]$
```

- And here is the respective Windows console log:

```
C:\Work>python 1.py "1 2 3"  
['1 2 3']  
  
C:\Work>python 1.py '1 2 3'  
["'1'", '2', "'3'"]  
  
C:\Work>python 1.py 1 2 3  
['1', '2', '3']  
  
C:\Work>
```

One can clearly see that Windows does not treat single quotes as double quotes. And this is the essence of my question.

windows command-line


Share Improve this question
Follow

edited Aug 25, 2013 at 5:30
 doubleDown
1,002 ● 8 ● 10

asked Aug 17, 2011 at 11:05
 mark
826 ● 4 ● 13 ● 26

- 2 Either you tagged this question as "Windows" in error, or [these are very much not DOS command prompts](#). – JdeBP Aug 17, 2011 at 13:25

Note-Your demo program adds single quotes in its output, which perhaps obscures things a bit. Indeed windows n unix do treat single n double quotes differently though, see my comment in reply2 JdeBP. That said, there r 2 ways Windows programs can get the command line (the area after the prompt). 1) GetCommandLine() 2) argv. argv probably works by doing GetCommandLine, and the program before you've reached the first line of the main function, will have split it into arguments based on these rules (in the case of Ms Visual C), or else, rules like them. msdn.microsoft.com/en-us/library/a1y7w461.aspx – barlop Aug 25, 2013 at 9:09

try compiling this pastebin.com/raw.php?i=4Bq7unGd and this pastebin.com/raw.php?i=QkhBJWGb Both in Windows. Try calling them with arguments, and see from their output, how they treat arguments differently. One uses GetCommandLine() one uses argv. Windows itself, doesn't separate out the arguments, doesn't produce the elements of argv. – barlop Aug 25, 2013 at 9:09 

3 Answers

Sorted by:

Highest score (default) 



10



The quoting character can't be changed in the command.com prompt. You can, however, use PowerShell which accepts both single and double quotes as quoting characters. They function the same as in Unix shells. I.e., single quotes do not expand variables while double quotes will.

You might still run into problems with quotes inside quotes. For example, I have strawberry perl installed on my Windows computer. When I run `perl -e 'print time, "\n" ' in`

It's not all down to the runtimes though 'cos even though the program gets it all in one load, the cmd interpreter itself still interprets single quotes differently from double quotes. e.g. if you pass "&" then & is literal and "&" is passed as a parameter, it's different to '&' as the ampersand-& will be treated as special and won't be passed. Also cmd /? has a bunch of rules which I suppose are of the cmd interpreter not runtimes. – [barlop](#) Aug 25, 2013 at 8:27

Please consider adding references to back up your claims; and perhaps briefly explain how this picture changes with the PowerShell interpreter. – [Olivier Cailloux](#) Mar 11, 2020 at 9:49

+1 for saying *Unices* :D – [johnny why](#) Sep 17, 2021 at 20:29



0



I'm quite sure that you can't edit the way that DOS parses commands. It's inherent in it's base programming.

The only solution I can think of to speed things up, is keeping a Notepad window open and running a 'Find and Replace' -- replacing all single quotes with with double quotes. And then copy-pasting into DOS from there.

Share Improve this answer Follow

answered Aug 17, 2011 at 11:17



[akseli](#)

4,063 ● 19 ● 25

1 I don't know about 9X's command.com(I suppose that is DOS! and 9X is probably still an addin for DOS), but NT's CMD.EXE is not DOS! DOS is an operating system. CMD.EXE is an addin in the NT operating system and won't run outside of it. I have given a -1 for calling it DOS, it is extremely amateurish to call NT's cmd.exe/'windows command processor' "DOS". – [barlop](#) Aug 25, 2013 at 8:36