How to create a batch file to run cmd as administrator

I need to run a batch file which needs to register a DLL. The DLL registration is failing because the Batch file is not starting the command prompt as "administrator".

Is there any way to start the "**Command Prompt**" as **administrator** through the batch file.

Environment: Win7/Vista

batch-file

edited Jul 17 '12 at 14:58   asked Jul 17 '12 at 14:44

Colin   JChan
7,121   3   21   38   **129**   2   3   11

1   technet.microsoft.com/en-us/library/bb490994 – Marc B Jul 17 '12 at 14:44

See also How can I auto-elevate my batch file, so that it requests from UAC admin rights if required? – GAThrawn May 13 at 14:50

2 Answers

You might have to use another batch file first to launch the second with admin rights.

In the first use

```
 runas /noprofile /user:mymachine\administrator yourbatchfile.bat
```

Upon further reading, you must be able to type in the password at the prompt. You cannot pipe the password as this feature was locked down for security reasons.

You may have more luck with psexec.

edited Jul 17 '12 at 16:23   answered Jul 17 '12 at 14:47

Bali C
10.3k   8   29   64

I will try to implement your solution, –   JChan   Jul 17 '12 at 14:51

I tried the above command, but it asks for administaor password that I wont be knowing . –   JChan   Jul 17 '12 at 16:13

@JChan It seems that you can't automatically fill the password, this feature has been disabled, see my updated answer. – Bali C Jul 17 '12 at 16:23
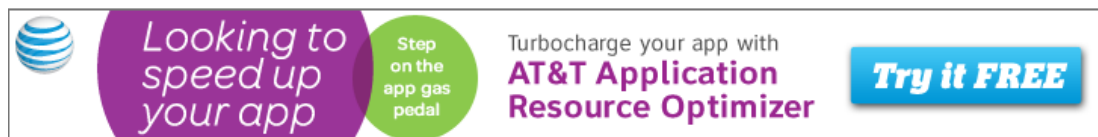
(This is based on @DarkXphenomenon's answer, which unfortunately had some problems.)

You need to enclose your code within this wrapper:

```
if _%1_==_payload_  goto :payload

:getadmin
    echo %~nx0: elevating self
    set vbs=%temp%\getadmin.vbs
    echo Set UAC = CreateObject^("Shell.Application"^)              >> "%vbs%"
    echo UAC.ShellExecute "%~s0", "payload %~sdp0 %*", "", "runas", 1 >> "%vbs%"
    "%temp%\getadmin.vbs"
    del "%temp%\getadmin.vbs"
goto :eof

:payload
    echo %~nx0: running payload with parameters:
    echo %*
    echo --------------------------------------------------
    cd /d %2
    shift
    shift
    rem put your code here
    rem e.g.: perl myscript.pl %1 %2 %3 %4 %5 %6 %7 %8 %9
goto :eof
```

This makes batch file run itself as elevated user. It adds two parameters to the privileged code:

- word `payload` , to indicate this is payload call, i.e. already elevated. Otherwise it would just open new processes over and over.

- directory path where the main script was called. Due to the fact that Windows *always* starts elevated cmd.exe in "%windir%\system32", there's no easy way of knowing what the original path was (*and* retaining ability to copy your script around without touching code)

Note: Unfortunately, for some reason `shift` does not work for `%*` , so if you need to pass actual arguments on, you will have to resort to the ugly notation I used in the example (`%1 %2 %3 %4 %5 %6 %7 %8 %9`), which also brings in the limit of maximum of 9 arguments

answered Aug 22 '12 at 12:08

Alois Mahdal
900 5 20

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