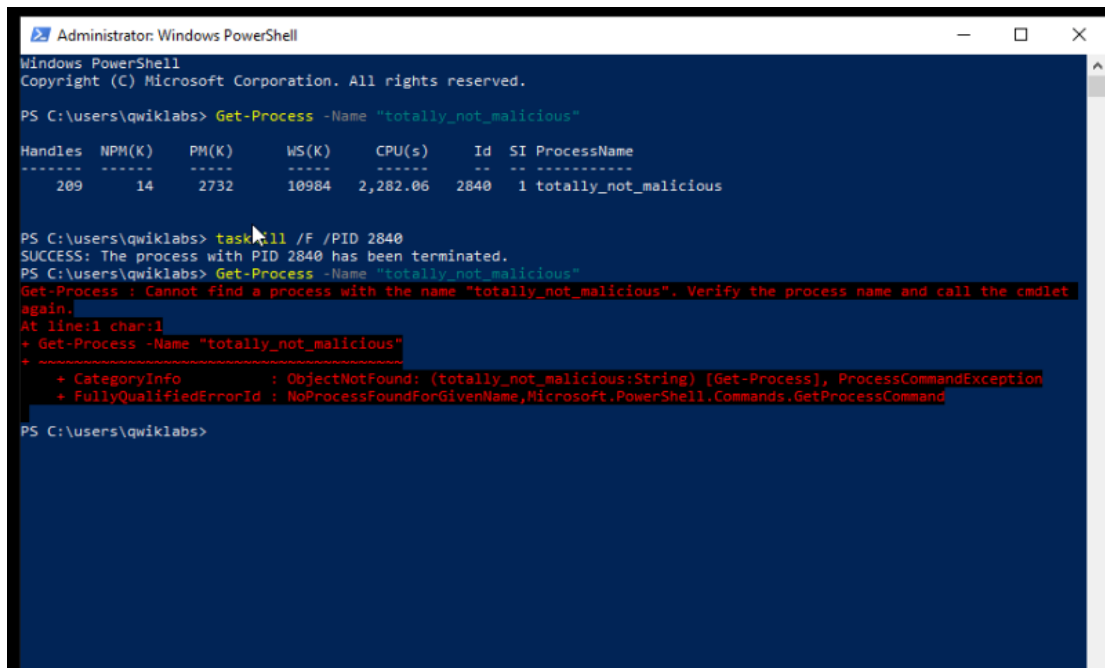


Maintain Efficient Process Utilization on Windows

Rishita Gupta

1.Terminating a specific process:

- To terminate a process, search for the process using **Get-Process -Name [process_name]**. This will specify the process ID and other attributes of the process.
- Terminate the process using **taskkill /F /PID [process_id]**. Termination can be verified using **Get-Process -Name [process_name]**.



```
Administrator: Windows PowerShell
Windows PowerShell
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PS C:\users\qwiklabs> Get-Process -Name "totally_not_malicious"

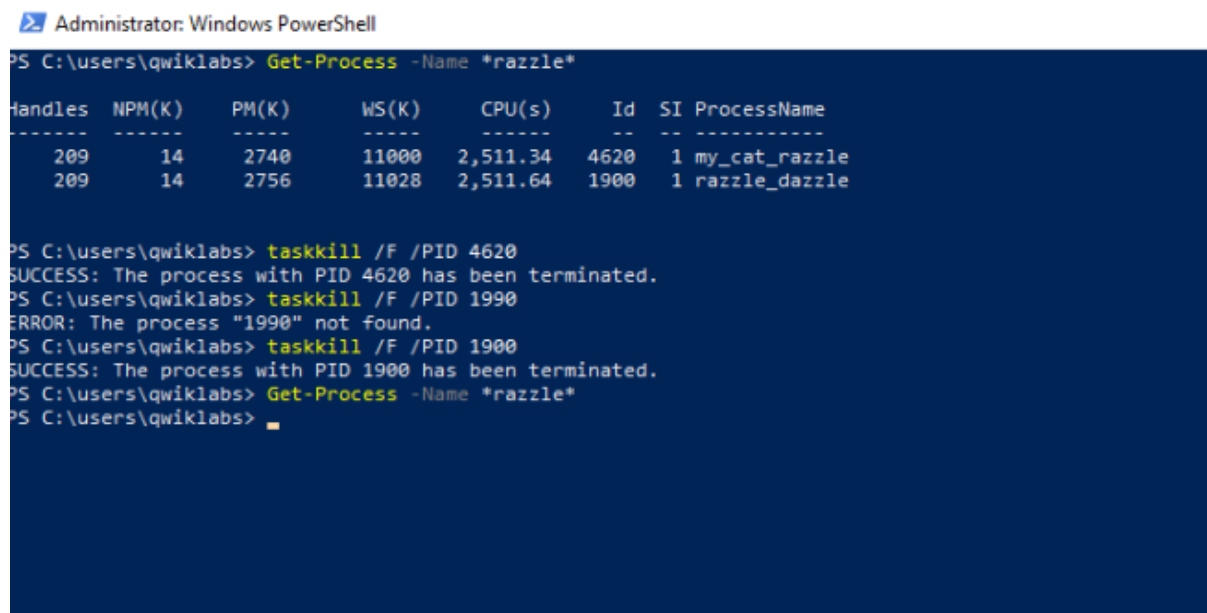
Handles      NPM(K)      PM(K)      WS(K)      CPU(s)      Id  SI ProcessName
-----
209          14        2732      10984      2,282.06    2840  1 totally_not_malicious

PS C:\users\qwiklabs> taskkill /F /PID 2840
SUCCESS: The process with PID 2840 has been terminated.
PS C:\users\qwiklabs> Get-Process -Name "totally_not_malicious"
Get-Process : Cannot find a process with the name "totally_not_malicious". Verify the process name and call the cmdlet again.
At line:1 char:1
+ Get-Process -Name "totally_not_malicious"
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (totally_not_malicious:String) [Get-Process], ProcessCommandException
+ FullyQualifiedErrorId : NoProcessFoundForGivenName,Microsoft.PowerShell.Commands.GetProcessCommand

PS C:\users\qwiklabs>
```

2.Terminating multiple processes:

- To find all the processes containing the string “razzle”, Search: **Get-Process -Name “*razzle*”**.
- Terminate the processes one at a time using **taskkill /F /PID [process_id]**. Termination can be verified using **Get-Process -Name “*razzle*”**.



```
Administrator: Windows PowerShell
PS C:\users\qwiklabs> Get-Process -Name *razzle*

Handles      NPM(K)      PM(K)      WS(K)      CPU(s)      Id  SI ProcessName
-----
209          14        2740      11000      2,511.34    4620  1 my_cat_razzle
209          14        2756      11028      2,511.64    1900  1 razzle_dazzle

PS C:\users\qwiklabs> taskkill /F /PID 4620
SUCCESS: The process with PID 4620 has been terminated.
PS C:\users\qwiklabs> taskkill /F /PID 1990
ERROR: The process "1990" not found.
PS C:\users\qwiklabs> taskkill /F /PID 1900
SUCCESS: The process with PID 1900 has been terminated.
PS C:\users\qwiklabs> Get-Process -Name *razzle*
PS C:\users\qwiklabs>
```