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Cheat Sheet – Process Management Using PowerShell

Task	PowerShell Command
Get all processes and list name, PID, exe path	`Get-Process -ComputerName MYPC1 | Select Name, id, path`
Check if a process is running by Name	`Get-Process -Name iexplore -ComputerName MYPC1`
Check if a process is running(by PID)	`Get-Process -id 4321 -ComputerName MYPC1`
Kill a process by name	`(gwmi win32_process -Filter "Name='notepad.exe'" -ComputerName MYPC1).terminate()`
Kill a process by pid	`(gwmi win32_process -Filter "handle='4321'" -ComputerName MYPC1).terminate()`
Query full path of a process executable	`gwmi win32_process -Filter "name='notepad.exe'" -ComputerName MYPC1 | select Path`
Get process id of a process	`gwmi win32_process -Filter "name='notepad.exe'" -ComputerName MYPC1 | select handle`
Get owner(user name) of a process	`(gwmi win32_process -Filter "name='notepad.exe'" -ComputerName MYPC1).getowner() | select User`
Get Creation time of a process	`([wmiclass]"").ConvertToDateTime((gwmi win32_process -Filter "name='notepad.exe'" -ComputerName MYPC1).CreationDate)`
Start a new process(locally)	`Start-Process -FilePath C:\windows\system32\notepad.exe -ArgumentList c:\temp\servers.txt`
Start a new process(locally) and get pid of it	`Start-Process -FilePath C:\windows\system32\notepad.exe -ArgumentList c:\temp\servers.txt -PassThru | select id`
Start a new process(remotely)	`([WMICLASS]"\\MYPC1\ROOT\CIMV2:win32_process").Create("c:\temp\mycustom.exe")`

…and more to come in future… drop a note to me if you have any suggestions…