

## Powershell Commands

Hello readers,

Just like our Linux Bash commands we have a list of Powershell as seen on [technet.microsoft.com](http://technet.microsoft.com). As usual these are more useful with their contextual uses so expect future articles related to that. For now here are the commands.

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| %       | ForEach-Object       | Performs an operation against each item in a collection of input objects.  |
| ?       | Where-Object         | Selects objects from a collection based on their property values.  |
| ac      | Add-Content          | Appends content, such as words or data, to a file.   |
| asnp    | Add-PSSnapIn         | Adds one or more Windows PowerShell snap-ins to the current session.   |
| cat     | Get-Content          | Gets the contents of a file.   |
| cd      | Set-Location         | Sets the current working location to a specified location.   |
| chdir   | Set-Location         | Sets the current working location to a specified location.   |
| clc     | Clear-Content        | Deletes the contents of an item, but does not delete the item.   |
| clear   | Clear-Host           | Clears the display in the host program.  |
| clhy    | Clear-History        | Deletes entries from the command history.  |
| cli     | Clear-Item           | Deletes the contents of an item, but does not delete the item.   |
| clp     | Clear-ItemProperty   | Deletes the value of a property but does not delete the property.  |
| cls     | Clear-Host           | Clears the display in the host program.  |
| clv     | Clear-Variable       | Deletes the value of a variable.   |
| cnsn    | Connect-PSSession    | Reconnects to disconnected sessions  |
| compare | Compare-Object       | Compares two sets of objects.  |
| copy    | Copy-Item            | Copies an item from one location to another.   |
| cp      | Copy-Item            | Copies an item from one location to another.   |
| cpi     | Copy-Item            | Copies an item from one location to another.   |
| cpp     | Copy-ItemProperty    | Copies a property and value from a specified location to another location.   |
| curl    | Invoke-WebRequest    | Gets content from a webpage on the Internet.   |
| cvpa    | Convert-Path         | Converts a path from a Windows PowerShell path to a Windows PowerShell provider path.  |
| dbp     | Disable-PSBreakpoint | Disables the breakpoints in the current console.   |
| del     | Remove-Item          | Deletes files and folders.   |
| diff    | Compare-Object       | Compares two sets of objects.  |
| dir     | Get-ChildItem        | Gets the files and folders in a file system drive.   |
| dnsn    | Disconnect-PSSession | Disconnects from a session.  |
| ebp     | Enable-PSBreakpoint  | Enables the breakpoints in the current console.  |
| echo    | Write-Output         | Sends the specified objects to the next command in the pipeline. If the command is the last command in the pipeline, the objects are displayed in the console. |
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| epal    | Export-Alias     | Exports information about currently defined aliases to a file.   |
| epcsv   | Export-Csv       | Converts objects into a series of comma-separated (CSV) strings and saves the strings in a CSV file.           |
| epsn    | Export-PSSession | Imports commands from another session and saves them in a Windows PowerShell module.                           |
| erase   | Remove-Item      | Deletes files and folders.   |
| etsn    | Enter-PSSession  | Starts an interactive session with a remote computer.  |
| exsn    | Exit-PSSession   | Ends an interactive session with a remote computer.  |
| fc      | Format-Custom    | Uses a customized view to format the output.   |
| fl      | Format-List      | Formats the output as a list of properties in which each property appears on a new line.                       |
| foreach | ForEach-Object   | Performs an operation against each item in a collection of input objects.                                      |
| ft      | Format-Table     | Formats the output as a table.   |
| fw      | Format-Wide      | Formats objects as a wide table that displays only one property of each object.                                |
| gal     | Get-Alias        | Gets the aliases for the current session.  |
| gbp     | Get-PSBreakpoint | Gets the breakpoints that are set in the current session.  |
| gc      | Get-Content      | Gets the contents of a file.   |
| gci     | Get-ChildItem    | Gets the files and folders in a file system drive.   |
| gcm     | Get-Command      | Gets all commands.   |
| gcs     | Get-PSCallStack  | Displays the current call stack.   |
| gdr     | Get-PSDrive      | Gets drives in the current session.  |
| ghy     | Get-History      | Gets a list of the commands entered during the current session.  |
| gi      | Get-Item         | Gets files and folders.  |
| gjb     | Get-Job          | Gets Windows PowerShell background jobs that are running in the current session.                               |
| gl      | Get-Location     | Gets information about the current working location or a location stack.                                       |
| gm      | Get-Member       | Gets the properties and methods of objects.  |
| gmo     | Get-Module       | Gets the modules that have been imported or that can be imported into the current session.                     |
| gp      | Get-ItemProperty | Gets the properties of a specified item.   |
| gps     | Get-Process      | Gets the processes that are running on the local computer or a remote computer.                                |
| group   | Group-Object     | Groups objects that contain the same value for specified properties.   |
| gsn     | Get-PSSession    | Gets the Windows PowerShell sessions on local and remote computers.  |
| gsnp    | Get-PSSnapIn     | Gets the Windows PowerShell snap-ins on the computer.  |
| gsv     | Get-Service      | Gets the services on a local or remote computer.   |
| gu      | Get-Unique       | Returns unique items from a sorted list.   |
| gv      | Get-Variable     | Gets the variables in the current console.   |
| gwmi    | Get-WmiObject    | Gets instances of Windows Management Instrumentation (WMI) classes or information about the available classes. |
| h       | Get-History      | Gets a list of the commands entered during the current session.  |

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| history | Get-History                    | Gets a list of the commands entered during the current session.  |
| icm     | Invoke-Command                 | Runs commands on local and remote computers.   |
| ie      | Invoke-Expression              | Runs commands or expressions on the local computer.  |
| ihy     | Invoke-History                 | Runs commands from the session history.  |
| ii      | Invoke-Item                    | Performs the default action on the specified item.   |
| ipal    | Import-Alias                   | Imports an alias list from a file.   |
| ipcsv   | Import-Csv                     | Creates table-like custom objects from the items in a CSV file.  |
| ipmo    | Import-Module                  | Adds modules to the current session.   |
| ipsn    | Import-PSSession               | Imports commands from another session into the current session.  |
| irm     | Invoke-RestMethod              | Sends an HTTP or HTTPS request to a RESTful web service.   |
| ise     | powershell_ise.exe             | Explains how to use the PowerShell_ISE.exe command-line tool.  |
| iwmi    | Invoke-WMIMethod               | Calls Windows Management Instrumentation (WMI) methods.  |
| iwr     | Invoke-WebRequest              | Gets content from a web page on the Internet.  |
| kill    | Stop-Process                   | Stops one or more running processes.   |
| lp      | Out-Printer                    | Sends output to a printer.   |
| ls      | Get-ChildItem                  | Gets the files and folders in a file system drive.   |
| man     | help                           | Displays information about Windows PowerShell commands and concepts.   |
| md      | mkdir                          | Creates a new item.  |
| measure | Measure-Object                 | Calculates the numeric properties of objects, and the characters, words, and lines in string objects, such as files of text.   |
| mi      | Move-Item                      | Moves an item from one location to another.  |
| mount   | New-PSDrive                    | Creates temporary and persistent mapped network drives.  |
| move    | Move-Item                      | Moves an item from one location to another.  |
| mp      | Move-ItemProperty              | Moves a property from one location to another.   |
| mv      | Move-Item                      | Moves an item from one location to another.  |
| na      | New-Alias                      | Creates a new alias.   |
| ndr     | New-PSDrive                    | Creates temporary and persistent mapped network drives.  |
| ni      | New-Item                       | Creates a new item.  |
| nmo     | New-Module                     | Creates a new dynamic module that exists only in memory.   |
| npssc   | New-PSSessionConfigurationFile | Creates a file that defines a session configuration.   |
| nsn     | New-PSSession                  | Creates a persistent connection to a local or remote computer.   |
| nv      | New-Variable                   | Creates a new variable.  |
| ogv     | Out-GridView                   | Sends output to an interactive table in a separate window.   |
| oh      | Out-Host                       | Sends output to the command line.  |
| popd    | Pop-Location                   | Changes the current location to the location most recently pushed to the stack. You can pop the location from the default stack or from a stack that you create by using the Push-Location cmdlet. |

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| ps     | Get-Process         | Gets the processes that are running on the local computer or a remote computer.   |
| pushd  | Push-Location       | Adds the current location to the top of a location stack.   |
| pwd    | Get-Location        | Gets information about the current working location or a location stack.  |
| r      | Invoke-History      | Runs commands from the session history.   |
| rbp    | Remove-PSBreakpoint | Deletes breakpoints from the current console.   |
| rcjb   | Receive-Job         | Gets the results of the Windows PowerShell background jobs in the current session.  |
| rcsn   | Receive-PSSession   | Gets results of commands in disconnected sessions.  |
| rd     | Remove-Item         | Deletes files and folders.  |
| rdr    | Remove-PSDrive      | Deletes temporary Windows PowerShell drives and disconnects mapped network drives.  |
| ren    | Rename-Item         | Renames an item in a Windows PowerShell provider namespace.   |
| ri     | Remove-Item         | Deletes files and folders.  |
| rjb    | Remove-Job          | Deletes a Windows PowerShell background job.  |
| rm     | Remove-Item         | Deletes files and folders.  |
| rmdir  | Remove-Item         | Deletes files and folders.  |
| rmo    | Remove-Module       | Removes modules from the current session.   |
| rni    | Rename-Item         | Renames an item in a Windows PowerShell provider namespace.   |
| rnp    | Rename-ItemProperty | Renames a property of an item.  |
| rp     | Remove-ItemProperty | Deletes the property and its value from an item.  |
| rsn    | Remove-PSSession    | Closes one or more Windows PowerShell sessions (PSSessions).  |
| rsnp   | Remove-PSSnapin     | Removes Windows PowerShell snap-ins from the current session.   |
| rujb   | Resume-Job          | Restarts a suspended job  |
| rv     | Remove-Variable     | Deletes a variable and its value.   |
| rvpa   | Resolve-Path        | Resolves the wildcard characters in a path, and displays the path contents.   |
| rwm    | Remove-WMIObject    | Deletes an instance of an existing Windows Management Instrumentation (WMI) class.  |
| sajb   | Start-Job           | Starts a Windows PowerShell background job.   |
| sal    | Set-Alias           | Creates or changes an alias (alternate name) for a cmdlet or other command element in the current Windows PowerShell session. |
| saps   | Start-Process       | Starts one or more processes on the local computer.   |
| sasv   | Start-Service       | Starts one or more stopped services.  |
| sbp    | Set-PSBreakpoint    | Sets a breakpoint on a line, command, or variable.  |
| sc     | Set-Content         | Replaces the contents of a file with contents that you specify.   |
| select | Select-Object       | Selects objects or object properties.   |
| set    | Set-Variable        | Sets the value of a variable. Creates the variable if one with the requested name does not exist.                             |
| shcm   | Show-Command        | Creates Windows PowerShell commands in a graphical command window.  |
| si     | Set-Item            | Changes the value of an item to the valu  |

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