

Basic PowerShell Commands

参考 : <https://blogs.technet.microsoft.com/heyscriptingguy/2015/06/11/table-of-basic-powershell-commands/>

Note : open the link in IE --> right click on the table --> export to Microsoft Excel.--> done

% (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.

cl (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)

cpi (Copy-Item)

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 object are displayed in the console.

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.

history (Get-History)

icm (Invoke-Command) : runs commands on local and remote computers.

iex (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) : Import 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.

nal (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.

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) : delete 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) : Restart 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.

rwmi (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 value.