

Powershell Cheat Sheet	Powershell	Updated: March 9, 2012
Commands	Comparison Operators	Misc
Copy-Item: Copy files	-eq Equal	Comments: # : Line continuation: `
Get-ChildItem x : Return all items at location x : -recurse for recursion : -force to show hidden items	-ne Not equal	Set-Executionpolicy remotesigned : To enable PS script execution
Get-Command : List all commands. Can use wildcards	-gt Greater than	Variables: prefixed with \$
Get-Content: Get the contents of a file	-lt Less than	Array: \$a = 1,2,3,4
Get-Date : Get the current date	-ge greater than or equal to	Constant: Set-Variable -name b -value 1 -option constant
Get-Help x : Get help on command x	-le less than or equal to	\$args – Command line arguments
Get-Item : To display properties of the current item	-contains: 1,2,3 –contains 2 (true)	Booleans - \$true and \$false
Get-Location – Get the current directory	-notcontains: 1,2,3 –notcontains 2 (false)	Pipeline: \$_ = current object
x Get-Member : To get properties and methods of command x		. = Current Directory
Get-Process: To list all current processes	Pattern Matching Operators	@() - create array
Get-PSDrive : to list all resources	Returns a boolean	Exit: to stop script execution
Invoke-Sqlcmd: To run sql scripts	-replace : Replace a string : ex string a –replace b, c	\$null : Wildcard = *
New-Item : Create : ex new-item .\test –type directory	-match : regular expression match	Do Loop
Out-File x : To output results to file x	-notmatch :	\$a =1
Out-Null – suppress any output	-like : wildcard matching	do {\$a; \$a++}
Read-Host : Read input from console : ex \$a = Read-Host "Prompt"	-notlike	while (\$a -lt 10) -or- until (\$a -gt 10)
Rename-Item – Rename an object		
Remove-Item x : Delete file x	Escape Sequences	For Loop
Select-String -pattern x -path y : Search the file at y and look for string matching x.	`0 (null)	for (\$a=1; \$a -le 10; \$a++)
Set-Location: To navigate to a specific node - SQL:\ ...	`a (alert)	{ \$a }
Sort-Object : -ascending , -descending : Specify property to sort on : ex \$a = get-process sort-object CPU -descending	`b (backspace)	
Test-Path: Boolean to determine if a path exists	`f (form feed)	Switch
Write-Host \$a : to write contents of \$a to console	`n (new line)	switch (\$a)
	`r (carriage return)	{ "red" {"Color=Red"} }
	`t (tab)	"white" {Color=White}
Examples:	`v (vertical quote)	default {Color=Unknown} }
New-Item .\Directoryname -Type directory -force Out-Null : Create Directory and suppress any output message		
Copy-Item .\DirA* .\DirB : Copy all files in one directory to another	Logical Operators	Function:
[Diagnostics.Process]::Start('ExecutablePath','options') : To run a executable	-not or !	Function FunctionName
Remove-Item .\Path -Recurse : Remove a directory and all files and directories under it	-or	([string] \$InputString, [int] \$InputInt) { ... }
	-and	To Call Function:
		FunctionName "Input" 1