7.2 CheatSheet: Common PowerShell Commands

Cmdlet	Function	Equivalent Command
`Set-Location`	Changes to specified directory	`cd`
`Get-ChildItem`	Return current directory contents	`ls` , `dir`
`New-Item`	Makes a new file or directory	`touch` , `mkdir`
`Remove-Item`	Deletes a file or directory	`rm` , `rmdir`
`Get-Location`	Retrieves path to current directory	`pwd`
`Get-Content`	Returns file contents	`cat` , `type`
`Copy-Item`	Copies a file from one given location to another	`cp`
`Move-Item`	Moves a file from one given location to another	`mv`
`Write-Output`	Prints output	`echo`
`Get-Alias`	Shows aliases for the current session	`alias`
`Get-Help`	Retrieves information about PowerShell commands	`man`
`Get-Process`	Gets processes running on local machine	`ps`
`Stop-Process`	Stops one or more defined processes	`kill`
`Get-Service`	Gets a list of services	`service --status-all`

How to Use Documentation and Find Commands

To find documentation on a cmdlet:

- `Get-Help {cmdlet}`
    - For example: To find documentation on `Set-Location` :
        - `Get-Help Set-Location`

To find specific examples:

- `Get-Help {cmdlet} -examples`

To find cmdlets by noun:

- `Get-Command -Type Cmdlet | Sort-Object -Property Noun | Format-Table -GroupBy Noun`

To find cmdlets by verb:

- `Get-Command -Type Cmdlet | Sort-Object -Property Verb | Format-Table -GroupBy Verb`

Wildcards

To find by noun:

- `Get-Command -Noun {noun}`

To find by verb:

- `Get-Command -Verb {verb}`

Chocolatey

To install a package:

- `choco install <package>`

  - Use the `-y` parameter to auto-confirm

  - `choco install -y <package>`

To uninstall a package:

- `choco uninstall <package>`

  - Use the `-y` parameter to auto-confirm

  - `choco uninstall -y <package>`