**PowerShell Commands**

| **Category** | **Command** | **Description** |
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| **File and Directory** | Get-ChildItem | Lists files and directories in a path (similar to ls or dir). |
|  | New-Item | Creates a new file or folder. |
|  | Remove-Item | Deletes files or folders. |
|  | Set-Location | Changes the current directory (similar to cd). |
|  | Get-Location | Displays the current directory. |
|  | Copy-Item | Copies a file or folder to a new location. |
|  | Move-Item | Moves a file or folder to a new location. |
| **Process Management** | Get-Process | Lists all running processes. |
|  | Stop-Process | Stops a running process by name or ID. |
|  | Start-Process | Starts a new process. |
| **Service Management** | Get-Service | Lists all services and their statuses. |
|  | Start-Service | Starts a specified service. |
|  | Stop-Service | Stops a specified service. |
|  | Restart-Service | Restarts a service. |
| **User Management** | Get-LocalUser | Lists local user accounts. |
|  | New-LocalUser | Creates a new local user account. |
|  | Remove-LocalUser | Deletes a local user account. |
| **Networking** | Test-Connection | Tests network connectivity (similar to ping). |
|  | Get-NetAdapter | Lists network adapters and their statuses. |
|  | Get-NetIPAddress | Displays IP address configuration. |
| **System Information** | Get-ComputerInfo | Retrieves detailed system information. |
|  | Get-EventLog | Retrieves logs from the Windows Event Log. |
|  | Get-Date | Displays the current date and time. |
| **Package Management** | Get-Package | Lists installed packages. |
|  | Install-Package | Installs a package from a repository. |
|  | Uninstall-Package | Uninstalls a package. |
| **Scripting** | Write-Output | Prints output to the console. |
|  | Read-Host | Prompts the user for input. |
|  | ForEach-Object | Executes a command for each object in a collection. |
|  | Where-Object | Filters objects based on a condition. |
|  | Invoke-Command | Runs commands on local or remote machines. |
| **Security** | Get-Acl | Retrieves the access control list (ACL) of a file or folder. |
|  | Set-Acl | Modifies the ACL of a file or folder. |
|  | ConvertTo-SecureString | Converts a plain text string to a secure string. |
| **Help and Learning** | Get-Help | Displays help information for a cmdlet or concept. |
|  | Get-Command | Lists all available cmdlets and functions. |
|  | Get-Member | Displays the properties and methods of objects. |