

ANZ PowerShell User Group

September 2018

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Agenda

- ⚙️ PowerShell Tips and Tricks
- ⚙️ Azure Cloud Shell
- ⚙️ Networking

PowerShell Tips and Tricks

⚙ Foundational commands

Get-Member
Get-Help
Get-Command

"string" | Get-Member
"string1", "string2" | Get-Member
("string1", "string2").gettype()

⚙ Select – custom properties

```
$n = Get-CimInstance -Query "Select IPAddress, ipsubnet, defaultIpGateway from Win32_NetworkAdapterConfiguration WHERE IPEnabled = 'True'"  
$n | Select-Object @{n = "IpAddress"; e = {$_ .ipaddress[0]}}, @{n = "Subnetmask"; e = {$_ .ipsubnet[0]}}
```

⚙ PSCustomObject

```
$myObject = [PSCustomObject]@{  
    FirstName = "John"  
    LastName = "Smith"  
}  
$myObject
```

PowerShell Tips and Tricks (continued)

Add-Member – script property

```
$myobject | Add-Member -Type ScriptProperty -Name FullName -Value {$this.FirstName + " " + $this.LastName}  
$myObject
```

VSCode – expand alias

Shift + Alt + E

VSCode – format script

Shift + Alt + F

Azure Cloud Shell

Ways to access cloud shell

- 🔧 Login into Azure portal - Launch cloud shell
- 🔧 Launch shell.azure.com
- 🔧 VSCode – Add Azure Account extension

Features

- 🔧 Azure drive allows you to navigate Azure resources
- 🔧 Monaco – VSCode for cloud shell. Type 'code' to launch
- 🔧 Manage VM – PowerShell remoting

`Enter-AzureRmVM -Name UserGroupVM -ResourceGroupName usergroup -Credential $cred`

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