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Me, Myself and PowerShell

How I use PowerShell in my day to day work

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**I am NOT a
PowerShell Guru!**
Although I'd love to be!



I'M LEARNIND

What is a “CloudOps Engineer” ?

What we do

- Work within a team of engineers based in Cardiff
- Supporting Client's in their usage of the Cloud
- We migrate and operate their servers and services from their chosen cloud provider.
- We monitor, support and advise on how they can utilise the cloud most effectively



How do you use PowerShell ?



A PowerShell profile is a PowerShell script that runs automatically when you start a new session. You can use them to add the configure the Windows PowerShell environment, preparing it for your use, with variables, aliases, functions, and also colour and font preferences that you want available.



Azure Tenants and Subscriptions

```
function Select-AzureSubscriptionClient1 {  
    Write-Host "Selecting Client 1 Subscription";  
    Select-AzureRmSubscription -SubscriptionId $client1sub -TenantId $client1tenant;  
}  
  
function Login-Client1 {  
    Login-AzureRmAccount;  
    Select-AzureSubscriptionClient1;  
}
```



Aliases

Starts as:

```
New-AzureRmResourceGroupDeployment -Name 'NSG-12' -ResourceGroupName 'Test-Rg1' -TemplateFile 'C:\Templates\deploy.json'
```

Alias Creation:

```
New-Alias New-Deployment -value New-AzureRmResourceGroupDeployment
```

Becomes:

```
New-Deployment -Name 'NSG-12' -ResourceGroupName 'Test-Rg1' -TemplateFile  
'C:\Templates\deploy.json'
```



Help and Hints.... For Me!

```
function HelpMark-Array {  
  
    Write-Host ' $array = @("Array Item 0", 1, "Two") '  
    $array = @("Array Item 0", 1, "Two")  
    $array  
  
}
```

```
C:\APMG\apmg-azure [master ≡]> HelpMark-Array  
 $array = @("Array Item 0", 1, "Two")  
Array Item 0  
1  
Two
```



Regular Destinations

- Works in the same way as \$HOME

```
C:\Templates [master ≡]> cd $HOME  
C:\Users\MarkNash>
```



Regular Destinations

```
$client1 = "C:\client1\"
```

```
$client2 = "C:\Users\MarkNash\Documents\client2\"
```

```
$templates = "C:\Templates\"
```

```
C:\Users\MarkNash> cd $templates  
C:\Templates [master =>]>
```



Presentation Over

Thanks!