PowerShell Essentials:

Learn to manage computers on-premises and in the cloud

```
  1   ### Configure Objects & Variables
  2   Set-StrictMode -Version 2.0
  3   Set-Item Env:\SuppressAzurePowerShellBreakingChangeWarnings "true"
  4   $WorkFolder = "C:\Labfiles.55318\"                              # 55318A-ENU_PowerShellSetup.zip must be in this locati
  5   Set-Location $WorkFolder
  6   $Location = "WESTEUROPE"
  7   $ResourceGroupName = "55318gen"
  8   $SAShare = "55318"
  9   $VMDC = "55318MIASQL"
 10   $vmName = $VMDC
 11   $rgName = $ResourceGroupName
 12   $imageName = $VMDC
 13
 14   ### Login to Azure
 15   Connect-AzAccount
 16   $SubscriptionName = (Get-AzSubscription)[0].Name
 17   $Subscription = Get-AzSubscription -SubscriptionName $SubscriptionName | Select-AzSubscription
 18
 19   ### Deallocate (Stop) Azure VM
 20   Stop-AzVM -ResourceGroupName $rgName -Name $vmName -Force
 21
 22   ### Generalize Azure VM
 23   Set-AzVm -ResourceGroupName $rgName -Name $vmName -Generalized
 24
 25   ### Create VM Image in AzureLabs Resource Group
 26   $vm = Get-AzVM -Name $vmName -ResourceGroupName $rgName
 27   $image = New-AzImageConfig -Location $location -SourceVirtualMachineId $vm.Id
 28   New-AzImage -Image $image -ImageName $imageName -ResourceGroupName "AzureLabs"
 29
 30   ### VM Image Definition
 31   $PublisherName = "MicrosoftSQLServer"
 32   $Offer = (Get-AzVMImageOffer -Location $Location -PublisherName $PublisherName | Where-Object {$_.Offer -match "SQL2019-WS2019
 33   $Skus = (Get-AzVMImagesku -Location $Location -PublisherName $PublisherName -Offer $Offer | Where-Object {$_.Skus -match "SQLD
 34   $Offer    #sql2019-ws2019
 35   $Skus     #sqldev
 36
```

```
PS C:\labfiles.55318> get-psdrive

Name            Used (GB)      Free (GB) Provider     Root                        CurrentLocation
----            ---------      --------- --------     ----                        ---------------
Alias                                    Alias
C                  335.87         526.40 FileSystem   C:\                         labfiles.55318
Cert                                     Certificate  \
D                  159.58         340.42 FileSystem   D:\
E                   83.50         416.50 FileSystem   E:\
Env                                      Environment
F                  802.67         128.80 FileSystem   F:\
Function                                 Function
HKCU                                     Registry     HKEY_CURRENT_USER
HKLM                                     Registry     HKEY_LOCAL_MACHINE
SQLSERVER                                SqlServer    SQLSERVER:\
```

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