**35. How can one create a Virtual Machine in Powershell?**

# Define a credential object

$cred = Get-Credential

# Create a virtual machine configuration

$vmConfig = New-AzureRmVMConfig -VMName myVM -VMSize Standard\_DS2 |

` Set-AzureRmVMOperatingSystem -Windows -ComputerName myVM -Credential $cred |

` Set-AzureRmVMSourceImage -PublisherName MicrosoftWindowsServer -Offer WindowsServer ` -Skus 2016-Datacenter -Version latest | Add-AzureRmVMNetworkInterface -Id $nic.Id

**36. How to create a Network Security Group and a Network Security Group Rule?**

# Create an inbound network security group rule for port 3389

$nsgRuleRDP = New-AzureRmNetworkSecurityRuleConfig -Name myNetworkSecurityGroupRuleRDP -Protocol Tcp ` -Direction Inbound -Priority 1000 -SourceAddressPrefix \* -SourcePortRange \* -DestinationAddressPrefix \* ` -DestinationPortRange 3389 -Access Allow

# Create an inbound network security group rule for port 80 $nsgRuleWeb = New-AzureRmNetworkSecurityRuleConfig -Name myNetworkSecurityGroupRuleWWW -Protocol Tcp ` -Direction Inbound -Priority 1001 -SourceAddressPrefix \* -SourcePortRange \* -DestinationAddressPrefix \* ` -DestinationPortRange 80 -Access Allow # Create a network security group $nsg = New-AzureRmNetworkSecurityGroup -ResourceGroupName myResourceGroup -Location EastUS ` -Name myNetworkSecurityGroup -SecurityRules $nsgRuleRDP,$nsgRuleWeb

**37. How to create a new storage account and container using Power Shell?**

$storageName = "st" + (Get-Random) New-AzureRmStorageAccount -ResourceGroupName "myResourceGroup" -AccountName

$storageName -Location "West US" -SkuName "Standard\_LRS" -Kind Storage

$accountKey = (Get-AzureRmStorageAccountKey -ResourceGroupName myResourceGroup -Name

$storageName).Value[0] $context = New-AzureStorageContext -StorageAccountName $storageName -StorageAccountKey $accountKey New-AzureStorageContainer -Name "templates" -Context $context -Permission Container

**38. How can one create a VM in Azure CLI?**

az vm create ` --resource-group myResourceGroup ` --name myVM --image win2016datacenter ` --admin-username azureuser ` --admin-password myPassword12

### ****How can you retrieve the state of a particular VM?****

Get-AzureRmVM ` -ResourceGroupName myResourceGroup ` -Name myVM ` -Status | Select @{n="Status"; e={$\_.Statuses[1].Code}}

### ****41. How can you stop a VM using Power Shell?****

Stop-AzureRmVM -ResourceGroupName myResourceGroupVM -Name "myVM" -Force