User name: Anshul

Password: Password@01234

1. Create using Azure GUI
2. Using Resource Manager Templates
3. Using Azure PowerShell

Graphical user interface, application

Description automatically generated with medium confidence

New-AzVm `

-ResourceGroupName "TestResourceGroup" `

-Name "test-wp1-eus-vm" `

-Location "East US" `

-VirtualNetworkName "test-wp1-eus-network" `

-SubnetName "default" `

-SecurityGroupName "test-wp1-eus-nsg" `

-PublicIpAddressName "test-wp1-eus-pubip" `

-OpenPorts 80,3389

1. Using Azure CLI

az vm create \

--resource-group TestResourceGroup \

--name test-wp1-eus-vm \

--image win2016datacenter \

--admin-username jonc \

--admin-password aReallyGoodPasswordHere

1. Programmatic (APIs)
   1. AZURE Rest APIs
   2. Azure Client SDK
      1. C# => Microsoft.Azure.Management.Fluent

var azure = Azure

.Configure()

.WithLogLevel(HttpLoggingDelegatingHandler.Level.Basic)

.Authenticate(credentials)

.WithDefaultSubscription();

// ...

var vmName = "test-wp1-eus-vm";

azure.VirtualMachines.Define(vmName)

.WithRegion(Region.USEast)

.WithExistingResourceGroup("TestResourceGroup")

.WithExistingPrimaryNetworkInterface(networkInterface)

.WithLatestWindowsImage("MicrosoftWindowsServer", "WindowsServer", "2012-R2-Datacenter")

.WithAdminUsername("jonc")

.WithAdminPassword("aReallyGoodPasswordHere")

.WithComputerName(vmName)

.WithSize(VirtualMachineSizeTypes.StandardDS1)

.Create();

* + 1. Java => **Azure Java SDK**.

String vmName = "test-wp1-eus-vm";

// ...

VirtualMachine virtualMachine = azure.virtualMachines()

.define(vmName)

.withRegion(Region.US\_EAST)

.withExistingResourceGroup("TestResourceGroup")

.withExistingPrimaryNetworkInterface(networkInterface)

.withLatestWindowsImage("MicrosoftWindowsServer", "WindowsServer", "2012-R2-Datacenter")

.withAdminUsername("jonc")

.withAdminPassword("aReallyGoodPasswordHere")

.withComputerName(vmName)

.withSize("Standard\_DS1")

.create();

AZURE VM Extensions