

Module 4: Assignment 2

Tasks To Be Performed:

1. Create a Windows VM in west US region
2. Open the RDP port
3. Connect to it using Windows Remote Desktop

Solution:

1. Create a Windows VM in the West US Region

Step 1: Sign in to Azure Portal

Go to Azure Portal and log in with your credentials.

Step 2: Navigate to Virtual Machines

On the Azure Portal dashboard, select "Virtual machines" from the left-hand menu.

Click "Create" and select "Azure virtual machine".

Step 3: Configure Basic Settings

In the "Basics" tab, fill in the required details:

Subscription: Choose your subscription.

Resource Group: Create a new one or use an existing one.

Virtual Machine Name: Enter a name for your VM, e.g., MyWindowsVM.

Region: Select "West US".

Availability Options: Choose as per your requirement.

Image: Select "Windows Server 2022 Datacenter" (or another version of Windows Server you prefer).

Size: Choose a VM size based on your needs (e.g., Standard DS1 v2 for basic usage).

Step 4: Configure Administrator Account

Under the "Administrator account" section:

Username: Enter a username, e.g., azureuser.

Password: Enter and confirm a strong password.

Step 5: Configure Inbound Port Rules

Public Inbound Ports: Select "Allow selected ports".

Select Inbound Ports: Check "RDP (3389)" to allow Remote Desktop Protocol (RDP) access.

Step 6: Review and Create

Review the settings in the "Review + create" tab.

Once validation passes, click "Create".

Wait for the deployment to complete.

Create a resource group ...

Basics

Tags

Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription * ⓘ

Free Trial

Resource group * ⓘ

18Aug2024

Resource details

Region * ⓘ

(US) East US

Create a virtual machine ...

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

i This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ

Free Trial

Resource group * ⓘ

18Aug2024

Create new

Instance details

Virtual machine name * ⓘ

WindowsVm

Region * ⓘ

(US) East US

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Review + create

Create a virtual machine ...

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Region * ⓘ

(US) East US

Availability options ⓘ

No infrastructure redundancy required

Security type ⓘ

Trusted launch virtual machines

Configure security features

Image * ⓘ

Windows Server 2022 Datacenter: Azure Edition Hotpatch - x64 Gen2 (free)

See all images | Configure VM generation

VM architecture ⓘ

Arm64

☒ x64

i Arm64 is not supported with the selected image.

Run with Azure Spot discount ⓘ

☐

i You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription. [Learn more](#)

Size * ⓘ

Standard_DC2ds_v3 - 2 vcpus, 16 GiB memory (₹19,312.81/month)

See all sizes

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Review + create

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Cop

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Create a virtual machine

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernate to enable this feature. [Learn more](#)

Administrator account

Username *

Jungkook

Password *

Confirm password *

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports *

☐ None

☒ Allow selected ports

Select inbound ports *

RDP (3389)

All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

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Review + create

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CreateVm-MicrosoftWindowsServer.WindowsServer-202-20240824003007

Overview

Deployment

Search

Delete

Cancel

Redeploy

Download

Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...

Subscription: [Free Trial](#)

Resource group: [18Aug2024](#)

Start time: 8/24/2024, 12:32:32 AM

Correlation ID: 24aac957-909d-4c4e-b491-efb9bc76e845

Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback

[Tell us about your experience with deployment](#)

2. Open the RDP Port (Port 3389)

You have already opened the RDP port during the VM creation process by selecting "RDP (3389)" in the inbound port rules. If you need to verify or adjust this setting:

Step 1: Navigate to the VM

Go to "Virtual machines" in the Azure Portal and select your VM (MyWindowsVM).

Step 2: Go to Networking Settings

In the VM overview, click on "Networking" in the left-hand menu.

Step 3: Verify Inbound Port Rules

Ensure there's an inbound rule for port 3389 allowing RDP traffic.

If not, click "Add inbound port rule":

Destination Port Ranges: 3389

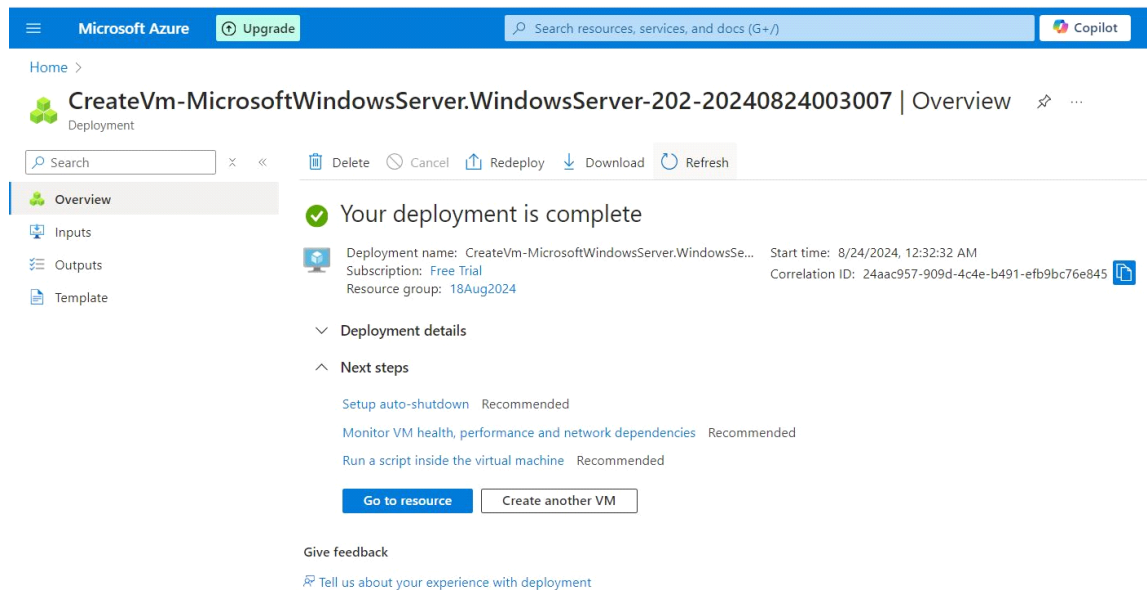
Protocol: TCP

Action: Allow

Priority: e.g., 1000

Name: e.g., Allow-RDP

Click "Add" to save the rule.



3. Connect to the VM Using Windows Remote Desktop

Step 1: Retrieve the Public IP Address

In the Azure Portal, navigate to your VM's "Overview" page.

Copy the "Public IP address" of the VM.

Step 2: Open Remote Desktop Connection

On your local Windows machine, open Remote Desktop Connection:

Press Windows + R, type mstsc, and press Enter.

Step 3: Enter the IP Address and Connect

In the Remote Desktop Connection window:

Enter the Public IP address of your VM in the Computer field.

Click "Connect".

Step 4: Enter Your Credentials

When prompted, enter the Username (azureuser) and Password you created during the VM setup.

Click "OK" to connect.

Step 5: Accept the Certificate

The first time you connect, you might get a warning about the remote computer's certificate.

Click "Yes" to accept and connect.

