



SZABIST

Name	Umer Amir
Registration Id	2112241
Section	BSCS 8 th A
Course	Introduction to DevOps
Instructor	Tariq Khan Ghouri

DevOps


LAB06

By Umer Amir _ 2112241

M. Taha Jamal _ 2112244


TASK 1:

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](#)

 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 * ⓘ

Resource group * ⓘ
[Create new](#)

Instance details

Virtual machine name * ⓘ ✓

Region * ⓘ ✓

Availability options ⓘ ✓

Security type ⓘ ✓



 Trusted launch virtual machine is required when using 1P Gallery images.

Image * ⓘ ✓
[See all images](#) | [Configure VM generation](#)

 This image is compatible with additional security features. [Click here to swap to the Trusted launch security type.](#)


VM architecture ⓘ ☐ Arm64


[< Previous](#)

[Next : Disks >](#)



[Review + create](#)

☒ x64

 Arm64 is not supported with the selected image.

Run with Azure Spot discount 


☐

 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_D2s_v3 - 2 vcpus, 8 GiB memory (\$137.24/month) 


[See all sizes](#)


Enable Hibernation 

☐


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

Administrator account


Username * 

azureuser 

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

Select one or more ports 


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

[< Previous](#)

[Next : Disks >](#)

[Review + create](#)


Diagnostics

Boot diagnostics 

☐ Enable with managed storage account (recommended)

☐ Enable with custom storage account

☒ Disable

Enable OS guest diagnostics 

☐

Home

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250412230025 | Overview

Search

Details

Cancel

Refresh

Download

Refresh

Overview

Inputs

Outputs

Template

✓

Your deployment is complete

Deployment status

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250412230025

Subscription: Azure subscription 1

Resource group: SimpleWinVM_group

Start time: 4/12/2025, 11:52:27 PM

Completion ID: c8812d47-8b07-4881-b48f-818f8b8b8b8b

Deployment details

Take care when deleting: Recommended

Monitor VM health, performance and network dependencies: Recommended

Run a script inside the virtual machine: Recommended

Go to resources

Create another VM

Give feedback

If left us about your experience with Azure Portal

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill. Get up to 10% off.

Microsoft Defender for Cloud

Secure your apps and infrastructure. Go to Microsoft Defender for Cloud.

View Microsoft tutorials

Start learning today.

Work with an expert

Azure experts are serious problem solvers who can help manage your Azure or Azure AD and be your first line of support. Meet an Azure expert.

Notifications

View events in the activity log

Deployment successful

Deployment: CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250412230025 in resource group 'SimpleWinVM_group' was successful.

Go to resources

Go to dashboard

3 minutes ago

Subscription credit renewing

Subscription: Azure subscription 1 has a remaining credit of \$10000.

Upgrade to a Pay-as-you-go subscription.

7 months ago

Home

SimpleWinVM

Search

Cancel

Refresh

Refresh

Download

Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource monitor

Connect

Networking

Settings

Availability + scale

Security

Backup + disaster recovery

Operations

Monitoring

Automation

Help

Help me copy this VM in any region

Cancel

Start

Refresh

Stop

Refresh

Refresh

Download

Refresh

Details

Cancel

Refresh

Download

Refresh

Overview

Inputs

Outputs

Template

✓

Deployment is complete

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TASK 2:

...



Basics

Tags

Review + create

Basics

Subscription

Azure subscription 1

Resource group

DefaultResourceGroup-EUS

Region

East US

name


myNSGSecure

Tags

None

[illegible]

TASK 3:

 undefined:3389


Couldn't connect.

We couldn't find the remote PC. Make sure the PC name is correct, and try connecting again. If that doesn't work, you can try using the remote PC's IP address.

Error code: 0x260

Extended error code: 0x0

Activity ID: {93d2a198-3c84-4fd5-b79d-15411e0e0000}

 [Copy to clipboard](#)

Cancel



Add inbound security rule



SimpleWinVM-nsg

Source ⓘ

Any

Source port ranges * ⓘ

*

Destination ⓘ

Any

Service ⓘ

Custom

Destination port ranges * ⓘ

3389 ✓

Protocol

- ☐ Any
- ☒ TCP
- ☐ UDP
- ☐ ICMPv4

Action

- ☒ Allow
- ☐ Deny

Priority * ⓘ

300 ✓

Name *

AllowRDP ✓

Description

Add

Cancel

Give feedback

Accept certificate and connect?

PC name:

172.174.85.40:3389

It might not be safe to connect to this PC:

untrusted certificate

Do you want to connect anyway?

☐ Don't ask about this certificate again

Details 

Connect anyway

Cancel



TASK 4:



Add outbound security rule



SimpleWinVM-nsg

Source port ranges * ⓘ

*

Destination ⓘ

Service Tag

Destination service tag ⓘ

Internet

Service ⓘ

Custom

Destination port ranges * ⓘ

8080 ✓

Protocol

☐ Any

☒ TCP

☐ UDP

☐ ICMPv4

Action

☐ Allow

☒ Deny

Priority * ⓘ

4000 ✓

Name *

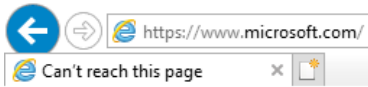
DenyInternet ✓

Description

Add

Cancel

Give feedback



Can't reach this page

- Make sure the web address <https://www.microsoft.com/> is correct
- [Search for this site on Bing](#)
- [Refresh the page](#)

[More information](#)

[Fix connection problems](#)