

EXP 14. DEMONSTRATE INFRASTRUCTURE AS A SERVICE (IAAS) BY CREATING A VIRTUAL MACHINE USING A PUBLIC CLOUD SERVICE PROVIDER (AZURE), CONFIGURE WITH REQUIRED MEMORY AND CPU.

AIM:

To demonstrate infrastructure as a service (IaaS) by creating a virtual machine using a public cloud service provider (azure), configured with required memory and cpu.

PROCEDURE:

STEP1: CREATE AN ACCOUNT IN MICROSOFT AZURE.

STEP2: GO TO RESOURCE GROUP AND CREATE A RESOURCE GROUP.

STEP3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

STEP4: CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE .

STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AND USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.

STEP6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

STEP7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR WINDOWS VIRTUAL MACHINE.

STEP8: NOW RESIZE THE VIRTUAL MACHINE SIZE.

STEP9: CREATED A NEW WINDOWS VIRTUAL MACHINE

OUTPUT:

The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with the Microsoft Azure logo, a search bar, and user information. Below the navigation bar, the main content area displays the 'rg-Exp13-VM' resource group. The 'Overview' tab is selected, showing a list of resources. The 'Resources' tab is also visible, showing a table of resources.

Name	Type	Location
vnet-Exp13	Virtual machine	Central India
vnet-Exp13	Virtual network	Central India
vnet-Exp13-ip	Public IP address	Central India
vnet-Exp13-nsg	Network security group	Central India
vnet-exp13446_z1	Network Interface	Central India
vnet-Exp13_disk1_8465a3d6a1fe4b9e9ef43bfe52cb671f	Disk	Central India

Microsoft Azure

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Home >

vnet-Exp13-1763972347724 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : vnet-Exp13-1763972347724

Subscription : Azure for Students

Resource group : rg-Exp13-VM

Start time : 11/24/2025, 1:50:04 PM

Correlation ID : 977ff462-0ac7-4749-b0a7-3c63...

> Deployment details

> Next steps

Go to resource

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Home > Compute infrastructure | Virtual machines >

Create a virtual machine

Help me create a low cost VM

Help me choose the right VM size for my workload

Help me create a VM optimized for high availability

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

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name

Value

Resource

:

13 selected

< Previous

Next : Review + create >

Review + create

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Create a virtual machine

Help me create a VM optimized for high availabilityHelp me create a low cost VMHelp me choose the right VM size for my workload

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Price

1 X Standard B1s
by Microsoft
Terms of use | Privacy policy

Subscription credits apply ⓘ
0.0112 USD/hr
Pricing for other VM sizes

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same

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Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Ubuntu Server 22.04 LTS - Gen2
VM architecture	x64
Size	Standard B1s (1 vcpu, 1 GiB memory)
Enable Hibernation	No
Authentication type	Password
Username	deekshi2803
Public inbound ports	SSH
Azure Spot	No

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Home > **CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20251124142546** | Overview

Deployment

Search [x] [cancel] [Delete] [Cancel] [Redeploy] [Download] [Refresh]

Overview

- Inputs
- Outputs
- Template

Deployment is in progress

Deployment name: CreateVm-canonical.0001-com-ubuntu-s... Start time: 11/24/2025, 2:40:11 PM
Subscription: [Azure for Students](#) Correlation ID: 4e1dab0e-3830-4da7-aeac
Resource group: [rg-Exp13-VM](#)

Deployment details

Resource	Type	Status	Operation details
No results.			

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Deployment

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Overview

- Inputs
- Outputs
- Template

Your deployment is complete

Deployment name: CreateVm-canonical.0001-com-ubuntu-s... Start time: 11/24/2025, 2:40:11 PM
Subscription: [Azure for Students](#) Correlation ID: 4e1dab0e-3830-4da7-aeac
Resource group: [rg-Exp13-VM](#)

Deployment details

Next steps

- [Setup auto-shutdown](#) Recommended
- [Monitor VM health, performance and network dependencies](#) Recommended
- [Run a script inside the virtual machine](#) Recommended

[Go to resource](#) [Create another VM](#)

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RESULT:

Demonstrated infrastructure as a service (IaaS) by creating a virtual machine using a public cloud service provider (azure), configured with required memory and CPU.