

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 'Microsoft Azure', a search bar, and various icons. Below the navigation bar, the page title is 'rg-Exp13-VM' under 'Resource group'. On the left, there's a sidebar with navigation links like 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Resource visualizer', 'Events', 'Settings', 'Cost Management', 'Monitoring', 'Automation', and 'Help'. The main content area is titled 'Essentials' and shows a table of resources. The table has columns for 'Name', 'Type', and 'Location'. The resources listed are:

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 Search resources, services, and docs (G+) Copilot Home > vnet-Exp13-1763972347724 | Overview Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Your deployment is complete

Deployment name : vnet-Exp13-1763972347724 Start time : 11/24/2025, 1:50:04 PM
Subscription : Azure for Students Correlation ID : 977ff462-0ac7-4749-b0a7-3c63...
Resource group : rg-Exp13-VM

Deployment details Next steps Go to resource

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https://portal.azure.com/#missing Ctrl+Shift+F

Microsoft Azure Search resources, services, and docs (G+) Copilot 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 choose the right VM size for my workload Help me create a VM optimized for high availability

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

< Previous Next : Review + create Review + create Give feedback

https://go.microsoft.com/fwlink/?linkid=873112

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Copilot Home > Create a virtual machine

Validation passed

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

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Price

1 X Standard B1s by Microsoft 0.0112 USD/hr Subscription credits apply Pricing for other VM sizes Terms of use | Privacy policy

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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Copilot Home > Create a virtual machine

Validation passed

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

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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Microsoft Azure | Search resources, services, and docs (G+) | Copilot | Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20251124142546 | Overview | ... | 192424055.simats@sav... | DEFAULT DIRECTORY (192424055...)

Deployment

Search | 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-aec...

Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback

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Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

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-aec...

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

Give feedback

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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.