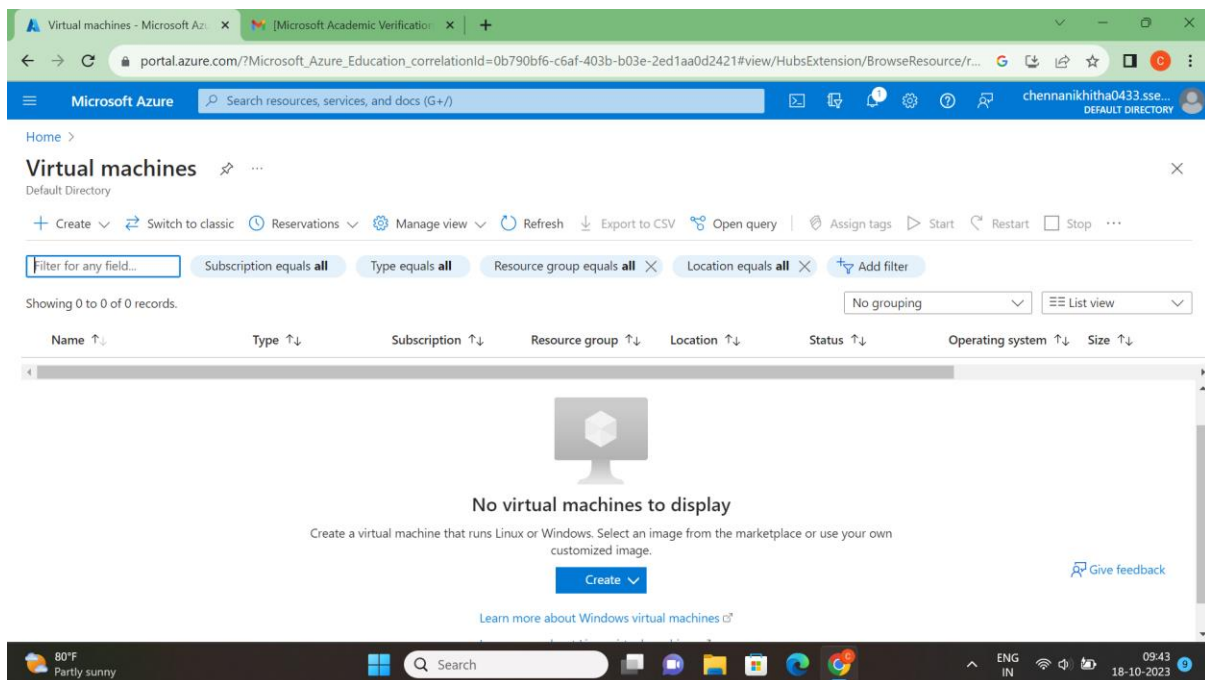
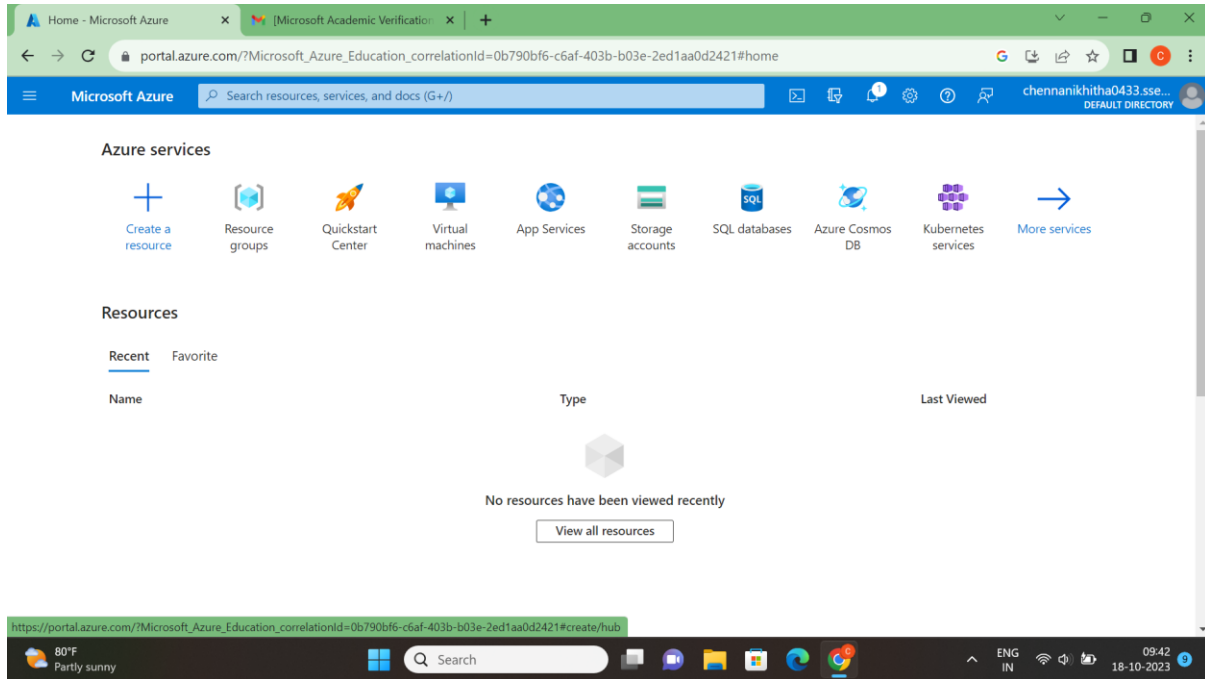
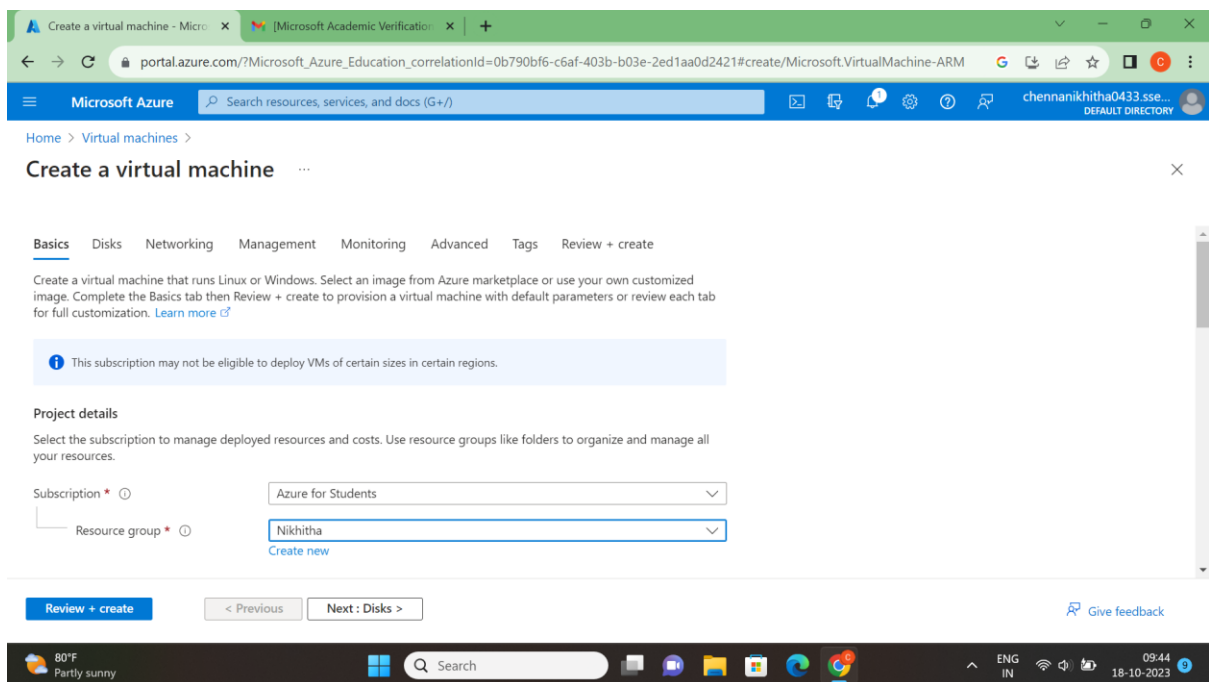
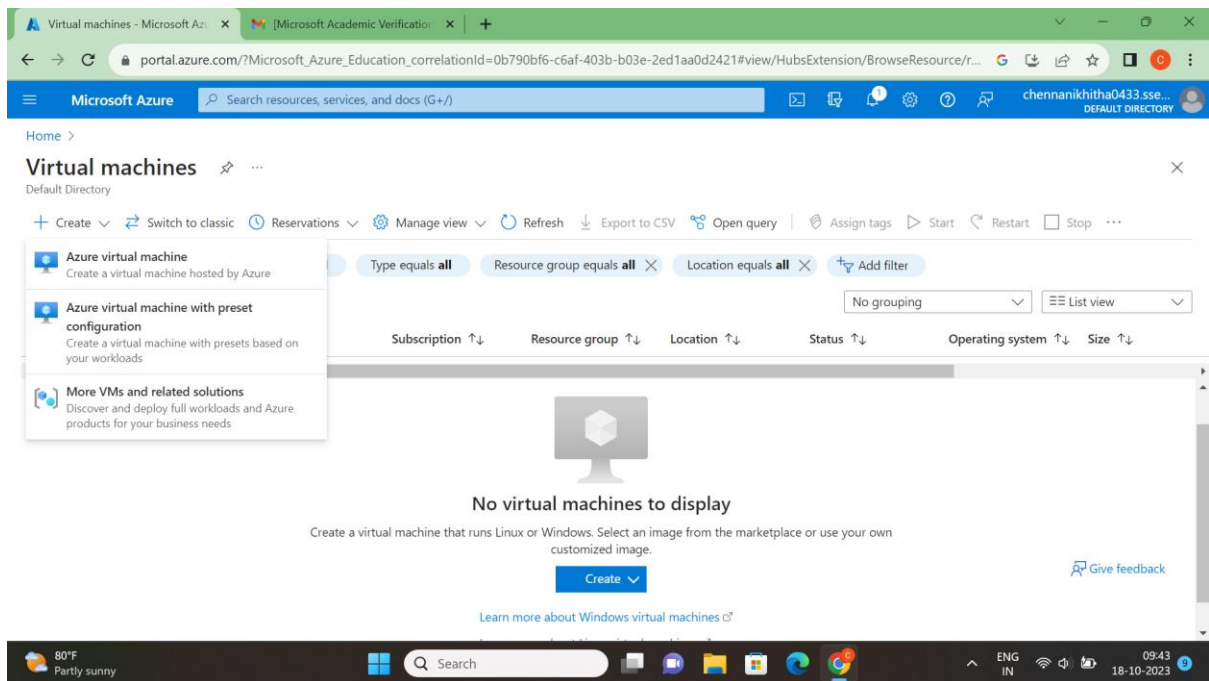


Experiment-12

Demonstrate Infrastructure as a Service (IaaS) by creating a Virtual Machine using a Public Cloud Service Provider (Azure), configure with required memory and CPU.





Create a virtual machine - Micro x [Microsoft Academic Verification x] +

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-ARM

Microsoft Azure Search resources, services, and docs (G+/)

Home > Virtual machines >

Create a virtual machine

Instance details

Virtual machine name *

Region *

Availability options

Availability zone *

☒ You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type

[Configure security features](#)

Image *

[See all images](#) | [Configure VM generation](#)

[Review + create](#) < Previous Next : Disks > [Give feedback](#)

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Create a virtual machine - Micro x [Microsoft Academic Verification x] +

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-...

Microsoft Azure Search resources, services, and docs (G+/)

Home > Virtual machines >

Create a virtual machine

VM architecture ☐ Arm64 ☒ x64

Run with Azure Spot discount ☐

Size *

[See all sizes](#)

Administrator account

Authentication type ☐ SSH public key ☒ Password

Username *

Password *

Confirm password *

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Create a virtual machine - Micro

[Microsoft Academic Verification]

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Microsoft Azure

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chennanikitha0433.sse...
DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

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 *

SSH (22)

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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Create a virtual machine - Micro

[Microsoft Academic Verification]

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine...

Microsoft Azure

Search resources, services, and docs (G+/)

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Home > Virtual machines >

Create a virtual machine

OS disk size

Image default (30 GiB)

OS disk type *

Premium SSD (locally-redundant storage)

Delete with VM

☒

Key management

Platform-managed key

Enable Ultra Disk compatibility

☐

Ultra disk is not supported with selected security type.

Data disks for Nikki

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
<div>Create and attach a new disk</div> <div>Attach an existing disk</div>					

Review + create

< Previous

Next : Networking >

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09:48
18-10-2023

Save password?

Username

Nikhitha_Chenna

Password

.....

.....

Save

Never

You can use saved passwords on any device. They're saved to Google Password Manager for chennanikitha0433.sse@saveetha.com.

Ch.Nikhitha-192210433

page

Create a new disk - Microsoft Azure

[Microsoft Academic Verification]

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#view/Microsoft_Azure_Compute/C...

Microsoft Azure

Search resources, services, and docs (G+)

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DEFAULT DIRECTORY

Home > Virtual machines > Create a virtual machine >

Create a new disk

×

Create a new disk to store applications and data on your VM. Disk pricing varies based on factors including disk size, storage type, and number of transactions. [Learn more](#)

Name *

Nikki_DataDisk_0

Source type *

None (empty disk)

Size *

32 GiB
Premium SSD LRS
[Change size](#)

Key management

Platform-managed key

Enable shared disk

☐ Yes ☒ No

Delete disk with VM

☐

OK

Give feedback

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18-10-2023

Create a virtual machine - Micro

[Microsoft Academic Verification]

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine...

Microsoft Azure

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DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

×

OS disk type *

Premium SSD (locally-redundant storage)

Delete with VM

☒

Key management

Platform-managed key

Enable Ultra Disk compatibility

☐
Ultra disk is not supported with selected security type.

Data disks for Nikki

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
0	Nikki_DataDisk_0	32	Premium SSD LRS	Read-only	<input type="checkbox"/>

[Create and attach a new disk](#) [Attach an existing disk](#)

Review + create

< Previous

Next : Networking >

Microsoft Edge

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Home > Virtual machines >

Create a virtual machine

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
Computing	10	13 selected
		13 selected

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https://go.microsoft.com/fwlink/?linkid=673112

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Create a virtual machine - Micro x [Microsoft Academic Verification x +

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine...

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Create a virtual machine

Basics Disks Networking Management Monitoring Advanced Tags **Review + create**

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Create a virtual machine - Micro x +

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine

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Home >

Create a virtual machine

Validation passed

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 billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

Name

Preferred e-mail address

Preferred phone number

You have set SSH port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Create < Previous Next > Download a template for automation Give feedback

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CreateVm-canonical.0001-com x +

portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#view/HubsExtension/Deployment...

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Home >

CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018100112 | Overview

Deployment

Search « Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: CreateVm-canonical.0001-com-ubunt... Start time: 10/18/2023, 10:05:35 AM
Subscription: [Azure for Students](#) Correlation ID: 469b7696-789a-4cc4-a49f
Resource group: [Nikhitha](#)

Deployment details

Resource	Type	Status	Operation details
koushi	Microsoft.Compute/vir...	Created	Operation details
koushi951_z1	Microsoft.Network/net...	Created	Operation details
koushi-ip	Microsoft.Network/pu...	OK	Operation details
koushi-vnet	Microsoft.Network/virt...	OK	Operation details
koushi-nsg	Microsoft.Network/net...	OK	Operation details

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Microsoft Azure portal showing the details of a virtual machine named **koushi**.

Overview

Essentials

- Resource group: [Nikhitha](#)
- Status: Running
- Location: Central India (Zone 1)
- Subscription: [c9e57de7-2f2b-409d-ac6b-3d9295340d63](#)
- Availability zone: 1
- Tags: virtual : 6, machine : 9

Operating system: Linux (ubuntu 20.04)

Size: Standard D2s v3 (2 vcpus, 8 GiB memory)

Public IP address: [20.197.19.232](#)

Virtual network/subnet: [koushi-vnet/default](#)

DNS name: [Not configured](#)

Health state: -

Microsoft Azure portal showing the **Azure services** and **Resources** sections.

Azure services

- Create a resource
- Virtual machines
- Resource groups
- Quickstart Center
- App Services
- Storage accounts
- SQL databases
- Azure Cosmos DB
- Kubernetes services
- More services

Resources

Recent

Name	Type	Last Viewed
koushi	Virtual machine	2 minutes ago
Nikhitha	Resource group	3 minutes ago

[See all](#)

Navigate

- Subscriptions
- Resource groups
- All resources
- Dashboard