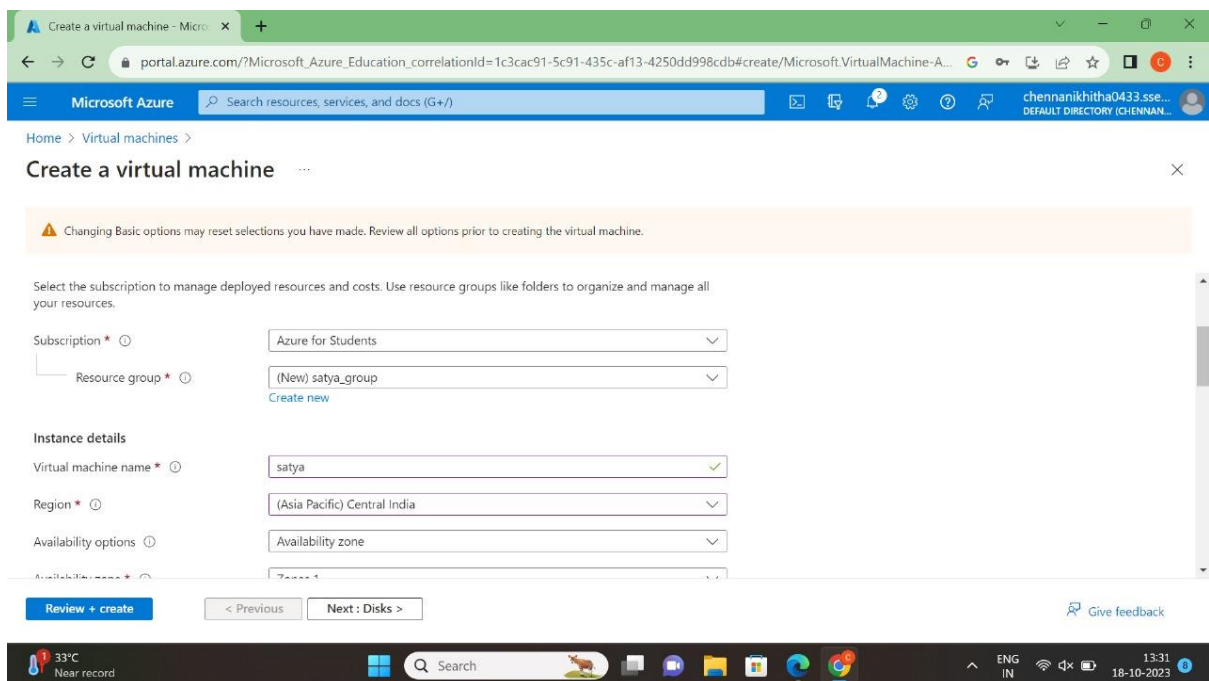
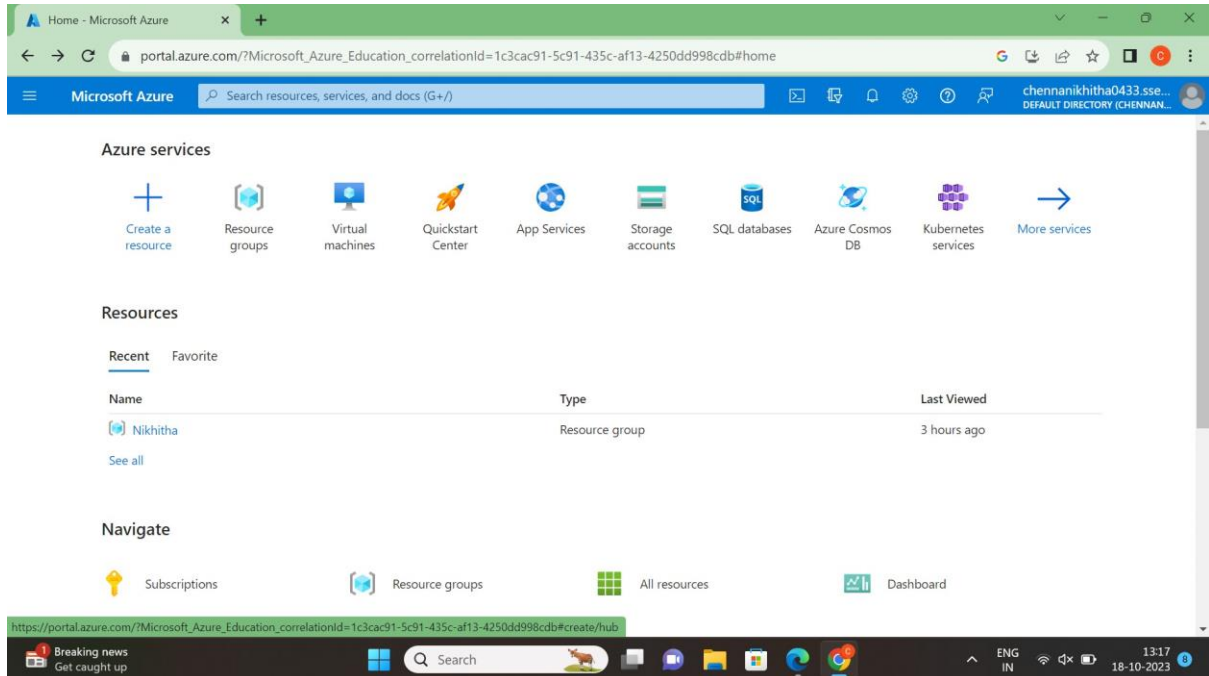


# Experiment-13

Demonstrate Infrastructure as a Service (IaaS) by establishing the remote connection, launch the created VM image and run in your desktop.



Create a virtual machine - Micro x +

portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=1c3cac91-5c91-435c-af13-4250dd998cdb#create/Microsoft.VirtualMachine-A...

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

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## Create a virtual machine

⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Availability zone \* ⓘ Zones 1

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

Security type ⓘ Trusted launch virtual machines

[Configure security features](#)

Image \* ⓘ Ubuntu Server 20.04 LTS - x64 Gen2

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

VM architecture ⓘ

☐ Arm64

☒ x64

Run with Azure Spot discount ⓘ ☐

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

33°C Near record

Search

ENG IN 13:31 18-10-2023

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## Create a virtual machine

⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Size \* ⓘ Standard\_D2s\_v3 - 2 vcpus, 8 GiB memory (₹6,019.67/month)

[See all sizes](#)

Administrator account

Authentication type ⓘ

☒ SSH public key

☐ Password

ℹ Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.

Username \* ⓘ azureuser

SSH public key source Generate new key pair

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## Create a virtual machine

Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

key pair name \* ungu

### 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

Encryption at host is not registered for the selected subscription. [Learn more about enabling this feature.](#)

### OS disk

OS disk size 32 GiB (P4)

Some images are, by default, smaller than the selected OS disk size. [Click here to learn how to expand your disk partition size after you create your VM.](#)

OS disk type \* Premium SSD (locally-redundant storage)

Delete with VM ☒

Key management Platform-managed key

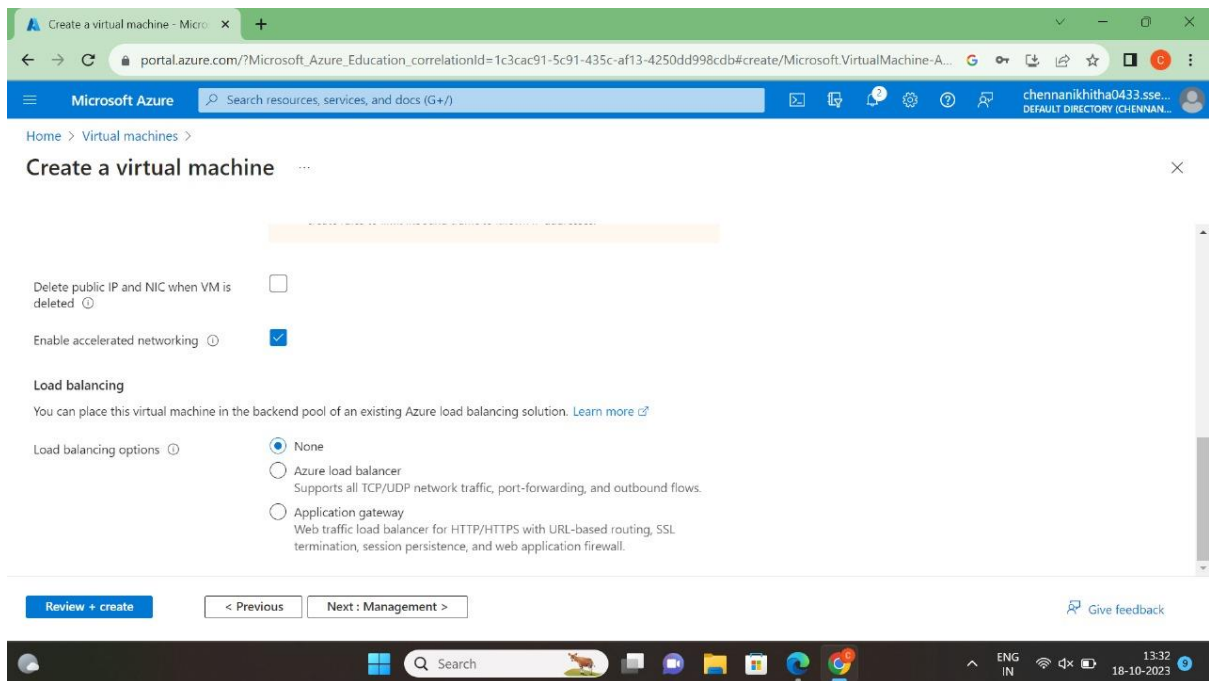
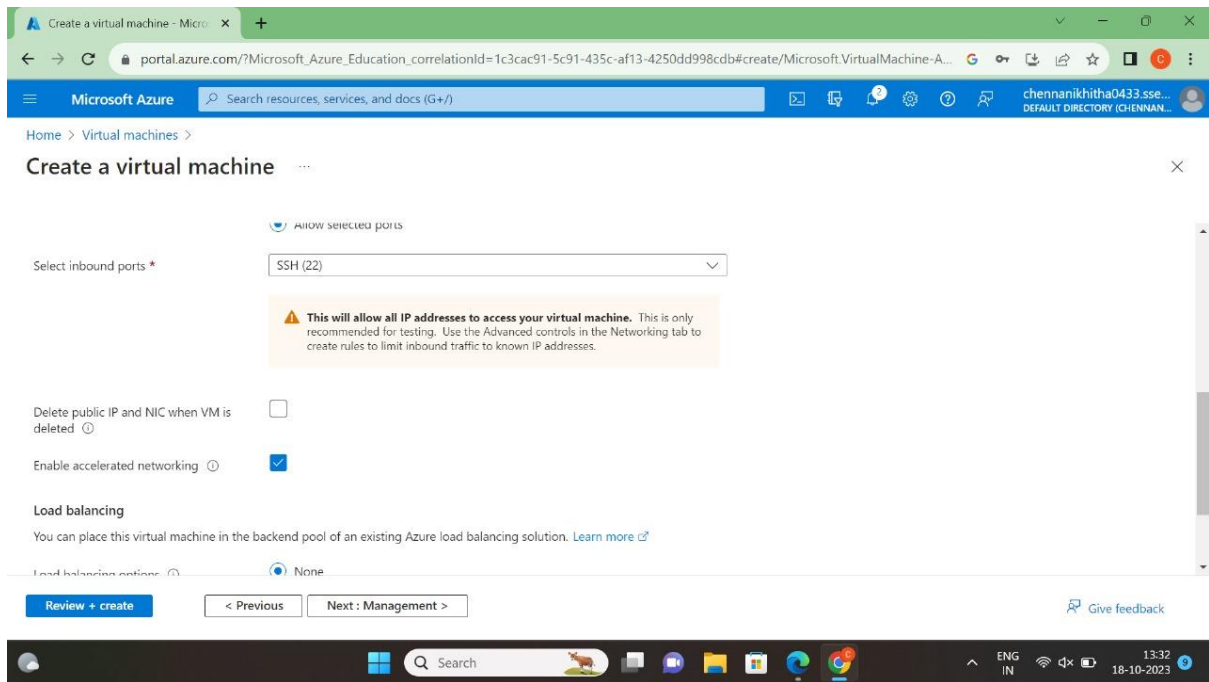
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## Create a virtual machine

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

Configure monitoring options for your VM.

**Alerts**

Enable recommended alert rules ⓘ ☐

**Diagnostics**

Boot diagnostics ⓘ

- ☒ Enable with managed storage account (recommended)
- ☐ Enable with custom storage account
- ☐ Disable

Enable OS guest diagnostics ⓘ ☐

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

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## Create a virtual machine

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

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

**Extensions**

Extensions provide post-deployment configuration and automation.

Extensions ⓘ [Select an extension to install](#)

**VM applications**

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#) ⓘ

[Select a VM application to install](#)

**Custom data and cloud init**

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

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## 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
asd	34	13 selected
		13 selected

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

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## Create a virtual machine

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

Validation passed

Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs.

Price

1 X Standard D2s v3  
by Microsoft  
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply

**8.2461 INR/hr**  
[Pricing for other VM sizes](#)

TERMS

[Create](#) < Previous Next > [Download a template for automation](#) [Give feedback](#)

18-10-2023 13:33



Microsoft Azure portal showing the deployment status of a VM. The deployment is in progress.

**CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018132740**

Deployment

Search resources, services, and docs (G+)

Home >

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018132740  
Subscription: Azure for Students  
Resource group: satya\_group

Start time: 10/18/2023, 1:34:13 PM  
Correlation ID: 25744181-7993-4d43-b6fe-

Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback  
Tell us about your experience with deployment

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Manage files as they download, and open them when they're done

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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Microsoft Azure portal showing the deployment status of a VM. The deployment is complete.

**CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018132740** | Overview

Deployment

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Home >

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018132740  
Subscription: Azure for Students  
Resource group: satya\_group

Start time: 10/18/2023, 1:34:13 PM  
Correlation ID: 25744181-7993-4d43-b6fe-

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  
Tell us about your experience with deployment

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satya - Microsoft Azure

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Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018132740 | Overview >

**satya** Virtual machine

Search

Connect Start Restart Stop Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Settings

- Networking
- Connect
- Disks
- Size
- Microsoft Defender for Cloud
- Advisor recommendations
- Extensions + applications

Essentials

Resource group (move) [satya\\_group](#)

Status: Running

Location: Central India (Zone 1)

Subscription (move) [Azure for Students](#)

Subscription ID: c9e57de7-2f2b-409d-ac6b-3d9295340d63

Availability zone: 1

Tags (edit): asd : 34

Operating system: Linux (ubuntu 20.04)

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

Public IP address: [20.197.43.46](#)

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

DNS name: [Not configured](#)

Health state: -

Properties Monitoring Capabilities (7) Recommendations Tutorials

**Virtual machine**

Computer name: satya

Operating system: Linux (ubuntu 20.04)

Image publisher: canonical

Image offer: 0001-com-ubuntu-server-focal

Image plan: 20\_04-lts-gen2

VM generation: V2

VM architecture: x64

Agent status: Ready

Agent version: 2.9.1.1

Host group: None

Host: -

Proximity placement group: -

**Networking**

Public IP address: [20.197.43.46](#) (Network interface: [satya446\\_z1](#))

Public IP address (IPv6): -

Private IP address: 10.1.0.4

Private IP address (IPv6): -

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

DNS name: [Configure](#)

**Size**

Size: Standard D2s v3

vCPUs: 2

RAM: 8 GiB



