

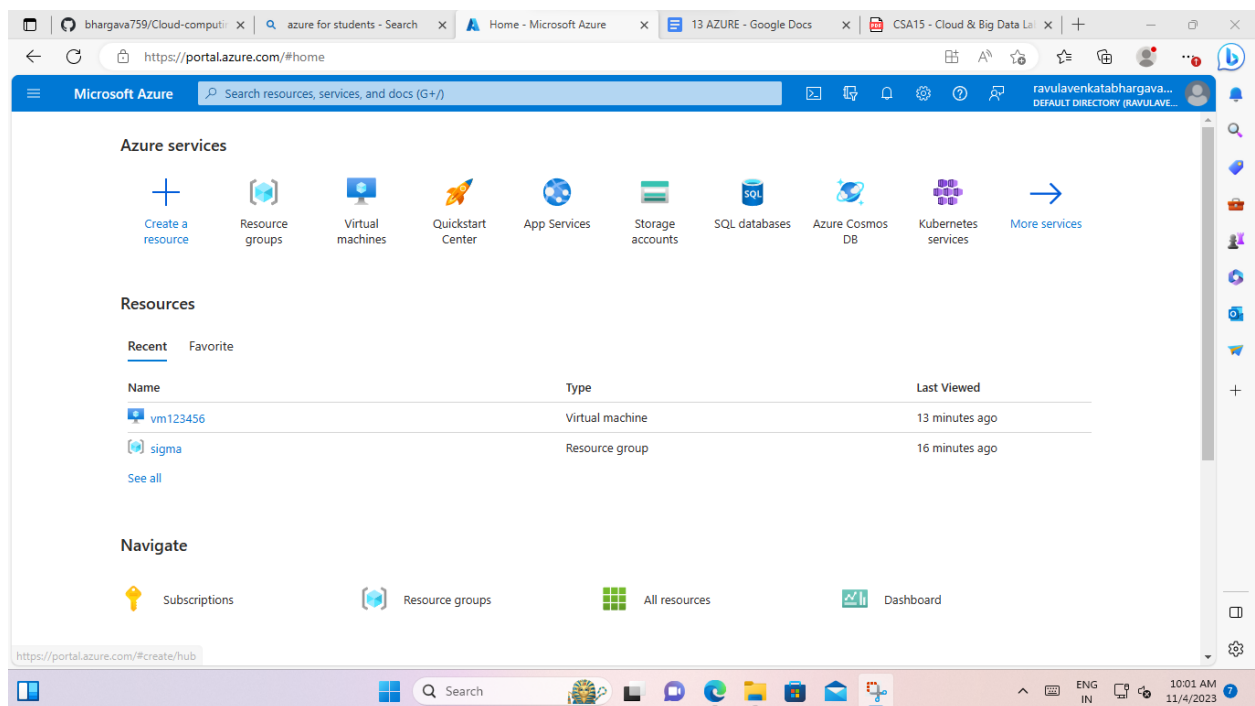
CLOUD COMPUTING DAY-3 QUESTIONS

USING AZURE

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

Procedure:

1. To create a one virtual machine from the Azure for students service provider.



2. And after select the virtual machine application.

Virtual machines

Default Directory (ravulavenkatabhargava@onmicrosoft.com)

Create virtual machine hosted by Azure

Create a virtual machine with presets based on your workloads

Create a new Azure Arc virtual machine in one of your non-Azure environments

Create a VMware virtual machine hosted by Azure

Subscription	Resource group	Location	Status	Operating system	Size
Azure for Students	sigma	Central India	Running	Linux	Standard_D2s_v3

3.To create one virtual machine and fill the all basic (8) details.

-> from basics

Create a virtual machine

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: Azure for Students

Resource group: sigma

Instance details

Virtual machine name: bhargava759

Region: West Pacific South India

Availability options: No infrastructure redundancy required

Security type: Trusted launch virtual machines

Image: Ubuntu Server 20.04 LTS - amd64 Gen2

VM architecture: amd64

Run with Azure Spot discount: ☐

Size: Standard_D2s_v4 - 2 vcpus, 8 GB memory

Administrator account

Authentication type: Password

Username: bhargava759

Password: *****

Confirm password: *****

Next: Disks

->from discs.

Create new disc after.

Microsoft Azure

Create a virtual machine

OS disk

OS disk size:

OS disk type:

Delete with VM: ☒

Key management:

Enable Ultra Disk compatibility: ☐

Ultra disk is not supported with selected security type.

Data disks for vm6574

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
-----	------	------------	-----------	--------------	----------------

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

[Review + create](#) [Previous](#) [Next: Networking](#)

[Give feedback](#)

->change the size and tick the delete disc with vm.

Microsoft Azure

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:

Source type:

Size:
Premium SSD LRS
[Change size](#)

Key management:

Enable shared disk: ☐ Yes ☒ No

Delete disk with VM: ☐

[OK](#) [Give feedback](#)

Home > Virtual machines >

Create a virtual machine

OS disk size:

OS disk type:

Delete with VM: ☒

Key management:

Enable Ultra Disk compatibility: ☐ Ultra disk is not supported with selected security type.

Data disks for vm6574

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	vm6574_DataDisk_0	32	Premium SSD LRS	Read-only	<input checked="" type="checkbox"/>

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

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

->And after networking.

Home > Virtual machines >

Create a virtual machine

network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network: [Create new](#)

Subnet:

Public IP: [Create new](#)

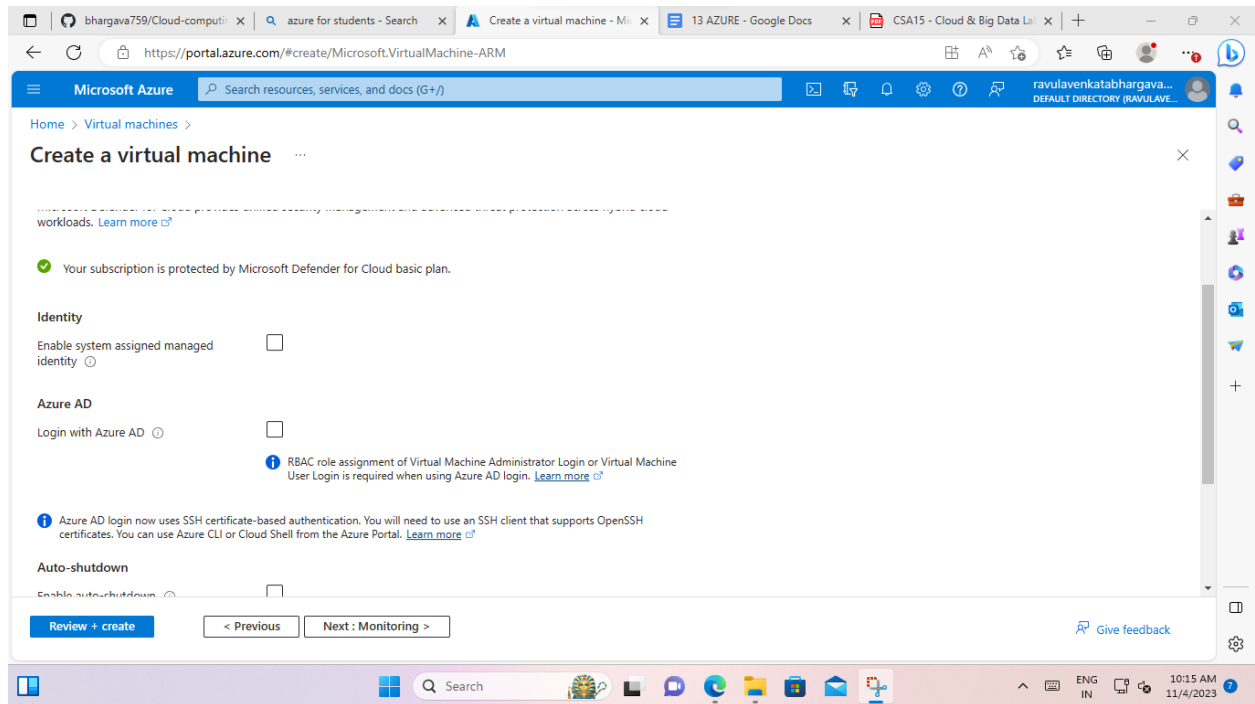
NIC network security group: ☒ Basic ☐ None ☐ Advanced

Public inbound ports: ☒ Allow selected ports ☐ None

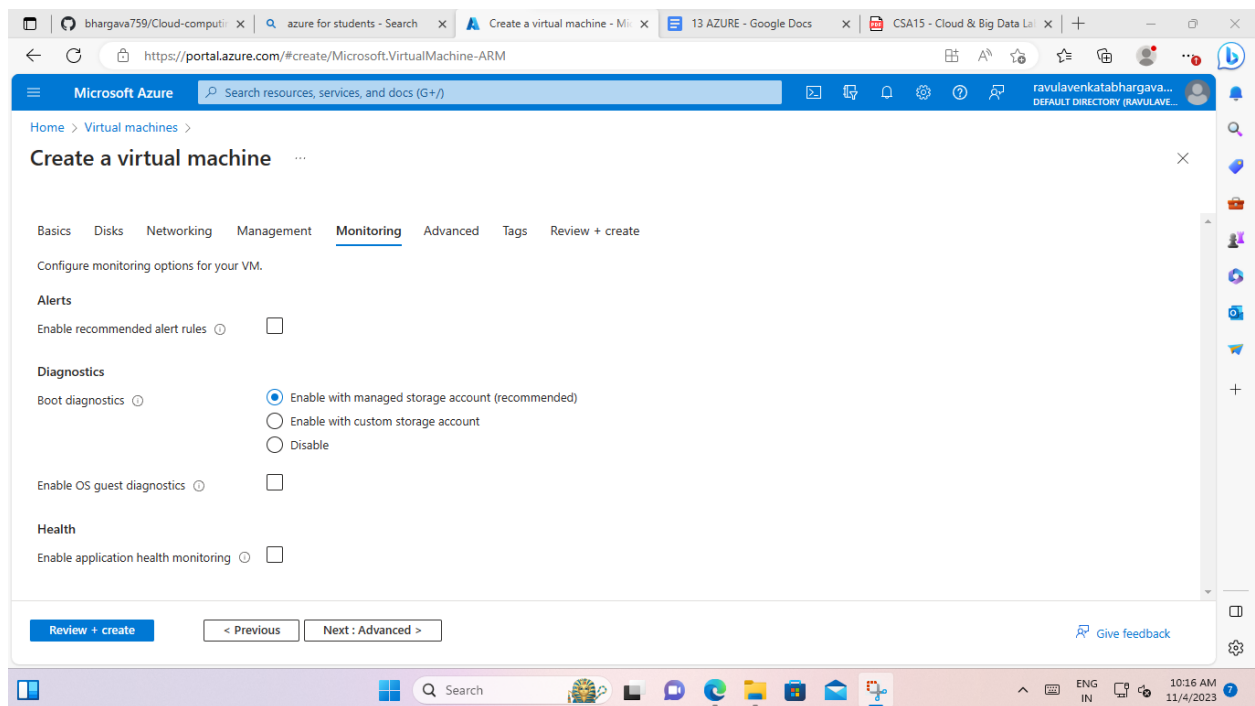
Select inbound ports:

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

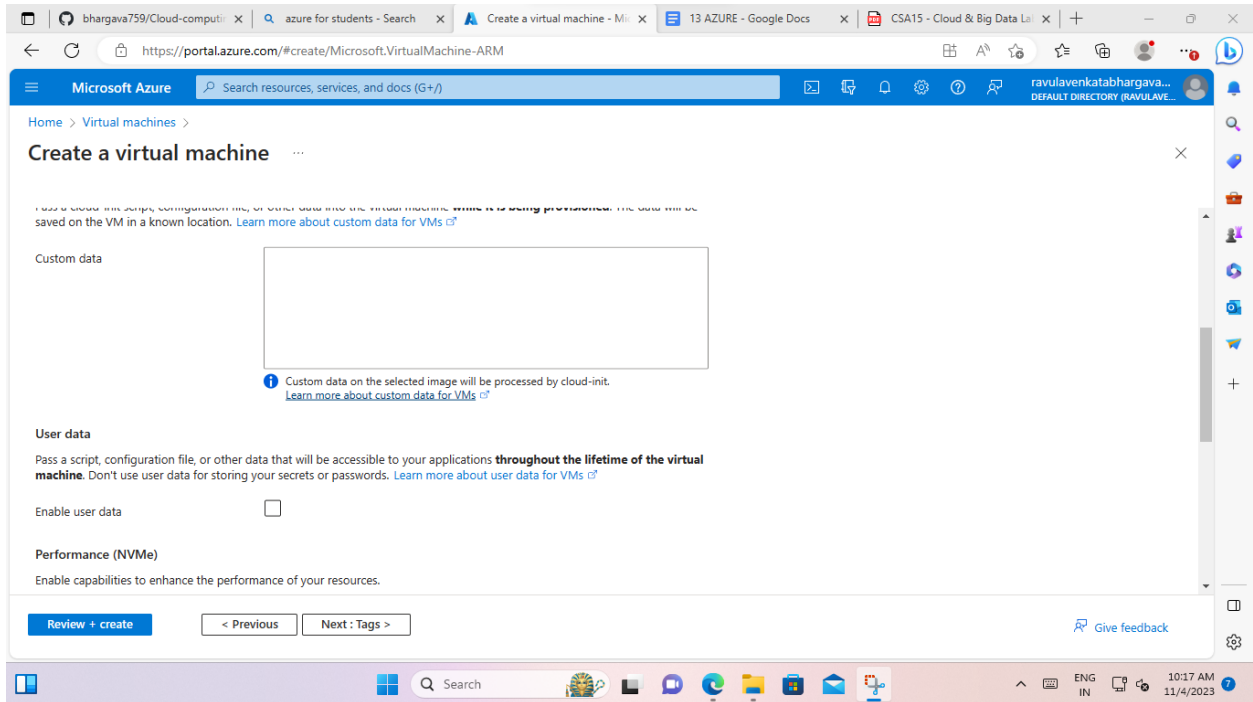
->Next management.no changes



->Next monitoring.no changes

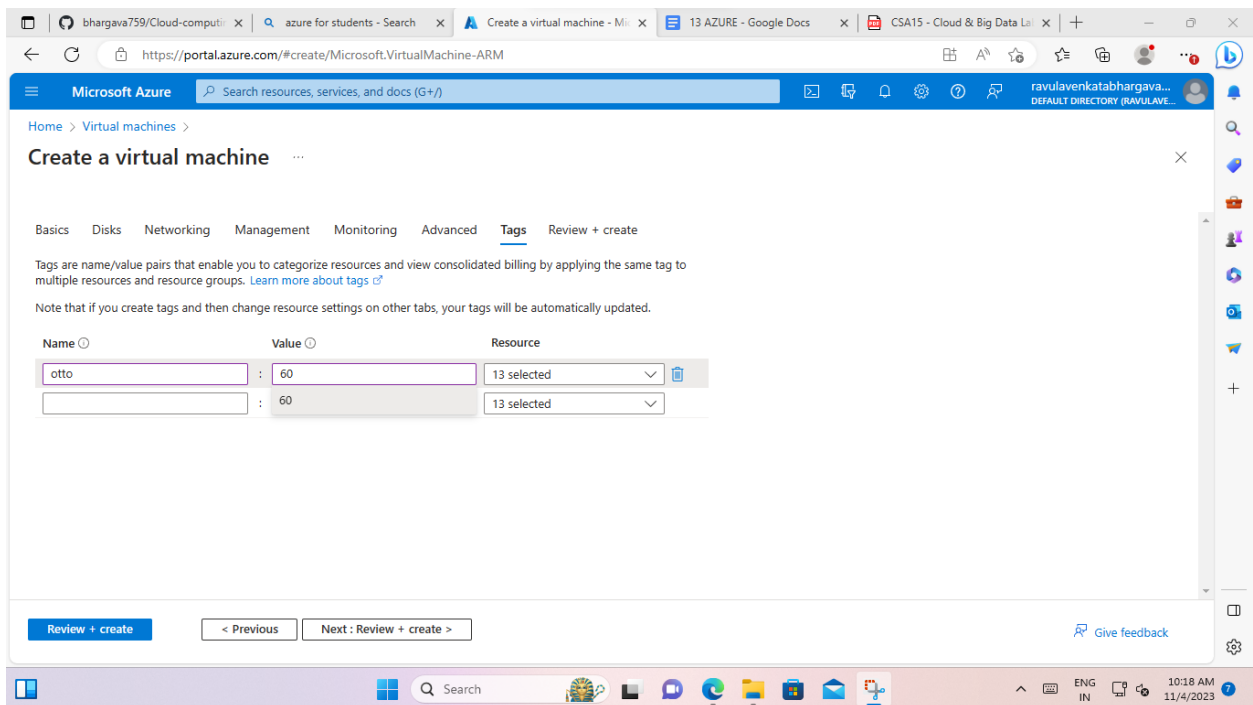


->next advanced.no changes



->next tags.

And create a tag and key value.



-> review and create. Its shows validation is valid.

Microsoft Azure portal showing the "Create a virtual machine" wizard. The "Review + create" tab is selected, displaying a price estimate of 10.6022 INR/hr for 1 X Standard D2s v3. The "Validation passed" message is visible at the top. The "Create" button is highlighted.

->No create the vm its shows deployment progress.

Microsoft Azure portal showing the "CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231104101113 | Overview" page. The deployment is complete, showing the start time as 11/4/2023, 10:20:25 AM. The page includes sections for "Deployment details", "Next steps", and "Cost Management".

R.V.BHARGAVA DILEEP

192210452