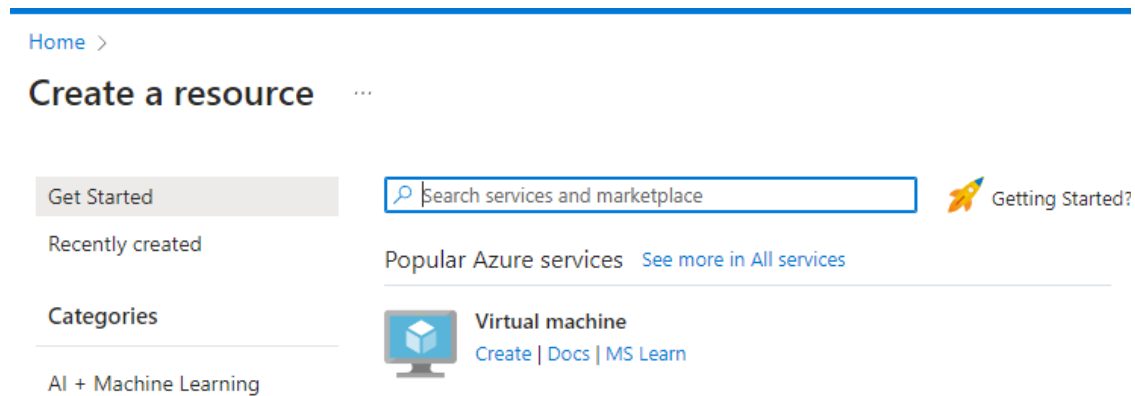
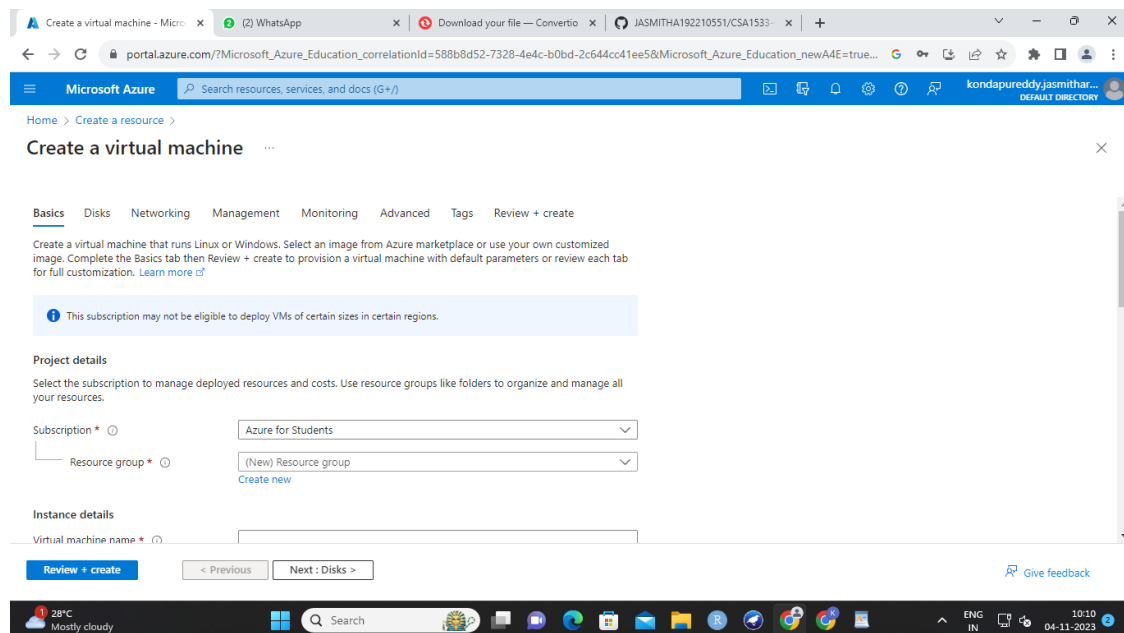


Demonstrate Infrastructure as a Service (IaaS) by creating a Virtual Machine using a Public Cloud Service Provider (Azure), configure with required memory and CPU.

STEP 1 :click on create resource and type for vm



step 2 : able to see all 8 tabs available in virtual machine



step 3 :

enter any name and write azure name

Microsoft Azure portal screenshot showing the "Create a virtual machine" wizard. The wizard is divided into two sections: "Project details" and "Instance details".

**Project details:**

- Subscription: Azure for Students
- Resource group: jst
- Virtual machine name: reddy
- Region: Asia Pacific South India
- Availability options: No infrastructure redundancy required
- Security type: Trusted launch virtual machines
- Image: Ubuntu Server 20.04 LTS - x64 Gen2
- VM architecture: x64
- Run with Azure Spot discount: ☐
- Size: Standard\_DS2\_v3 - 2 vcpus, 8 GB memory (₹7,739.57/month)

**Instance details:**

- Administrator account: ☐
- Authentication type: ☒ SSH public key
- Username: azureuser
- SSH public key source: Generate new key pair
- Key pair name: reddy\_key
- Public inbound ports: ☒ Allow selected ports
- Select inbound ports: SSH (22)

The "Next: Disks" button is visible at the bottom of the wizard.

step 4 : enter data in disk

The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Networking' step. The page is titled 'Create a virtual machine' and has tabs for 'Basics', 'Disks', 'Networking', 'Management', 'Monitoring', 'Advanced', 'Tags', and 'Review + create'. The 'Networking' tab is selected. The page explains that a network interface will be created for the VM and provides instructions on how to define network connectivity. The configuration options are as follows:

- Virtual network:** (new) reddy-vnet (with a 'Create new' link)
- Subnet:** (new) default (10.0.0/24) (with a 'Create new' link)
- Public IP:** (new) reddy-ip (with a 'Create new' link)
- NIC network security group:** Radio buttons for 'None', 'Basic' (selected), and 'Advanced'.
- Public inbound ports:** Radio buttons for 'None' and 'Allow selected ports' (selected).
- Select inbound ports:** A dropdown menu showing 'SSH (22)'.
- Warning:** A yellow warning box states: 'This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.'
- Delete public IP and NIC when VM is deleted:** An unchecked checkbox.
- Enable accelerated networking:** A checked checkbox.

At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next: Management >'. The Windows taskbar at the bottom shows the date as 04-11-2023 and the time as 10:21.

## step 5 : go for networking

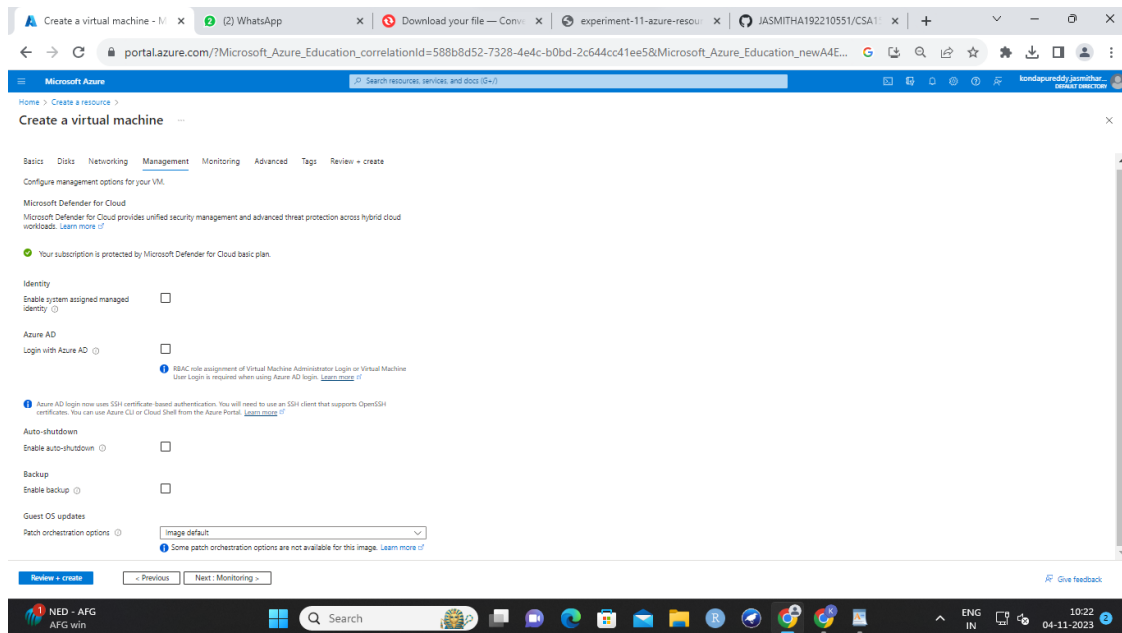
The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Management and default' step. The page is titled 'Create a virtual machine' and has tabs for 'Basics', 'Disks', 'Networking', 'Management', 'Monitoring', 'Advanced', 'Tags', and 'Review + create'. The 'Management' tab is selected. The page explains that the user can add and configure additional data disks for the VM or attach existing disks. The configuration options are as follows:

- OS disk:** A dropdown menu showing 'Image default (30 GiB)'.
- OS disk type:** A dropdown menu showing 'Premium SSD (locally-redundant storage)'.
- Delete with VM:** A checked checkbox.
- Key management:** A dropdown menu showing 'Platform-managed key'.
- Enable Ultra Disk compatibility:** An unchecked checkbox, with a note: 'Ultra disk is not supported with selected security type.'
- Data disks for redundancy:** A section explaining that additional data disks can be added or existing disks attached. Below this is a table with columns: LUN, Name, Size (GiB), Disk type, Host caching, and Delete with VM.
- Table:**

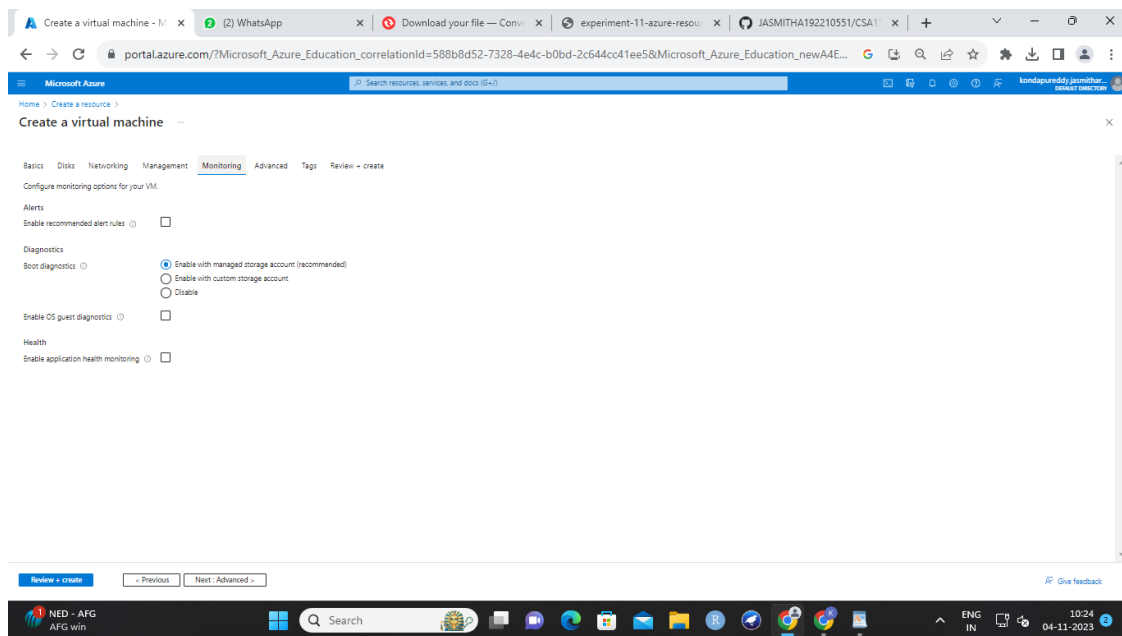
LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
0	reddy_DataDisk0	32	Premium SSD LRS	Read-only	<input type="checkbox"/>
- Create and attach a new disk:** A link to 'Attach an existing disk'.

At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next: Management >'. The Windows taskbar at the bottom shows the date as 04-11-2023 and the time as 10:21.

## step 6 : then management and default



## step 7 : default monitoring



## step 8 : default advanced

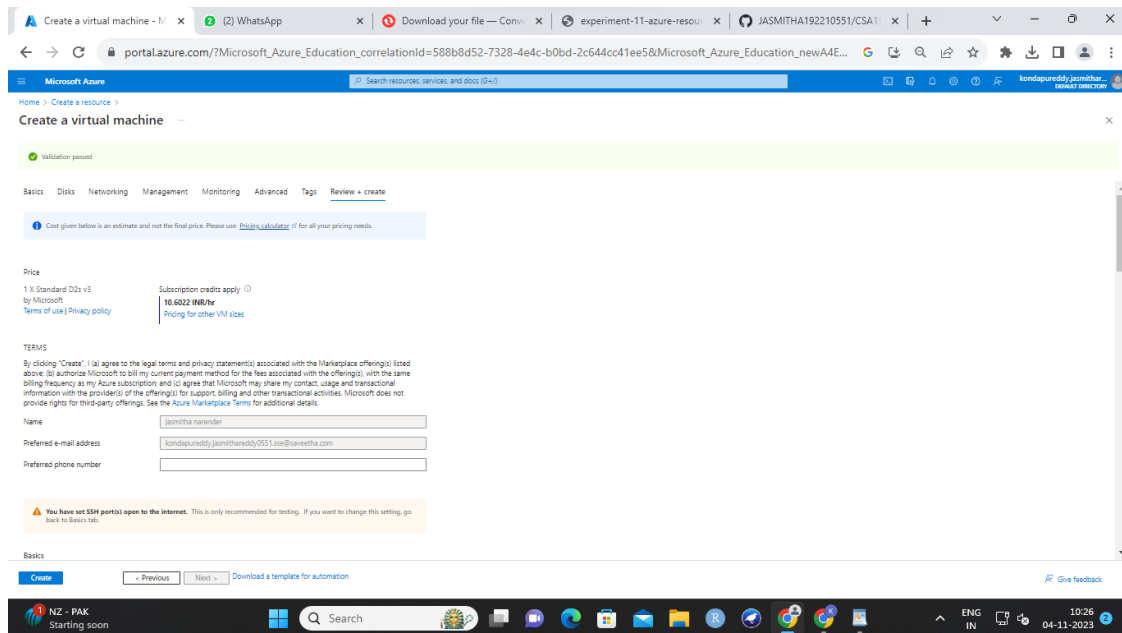
Microsoft Azure portal interface showing the "Create a virtual machine" wizard. The "Extensions" tab is active, displaying options to add additional configuration, agents, scripts, or applications via virtual machine extensions or cloud-init. The "Custom data and cloud-init" section is visible, with a text area for custom data. The "User data" section is also visible, with a text area for user data. The "Review + create" button is at the bottom.

## step 9 : enter data in tags

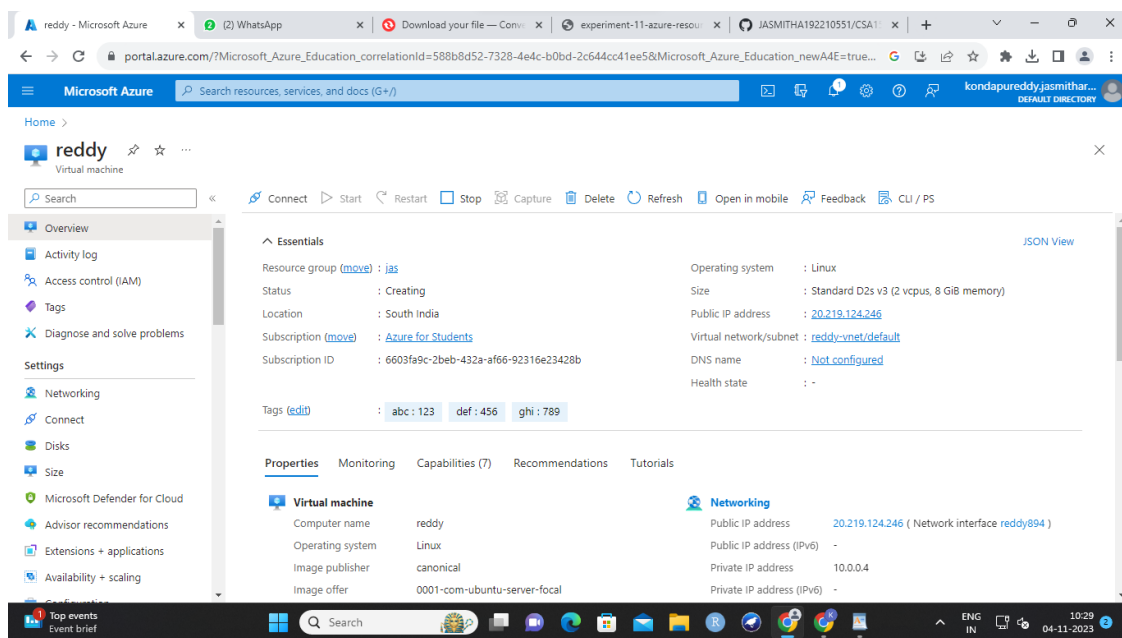
Microsoft Azure portal interface showing the "Create a virtual machine" wizard. The "Tags" tab is active, displaying a table for adding tags. The table has columns for Name, Value, and Resource. The "ghn" tag is highlighted in the Value column.

Name	Value	Resource
abc	123	All resources
def	456	All resources
ghn	789	13 selected
		13 selected

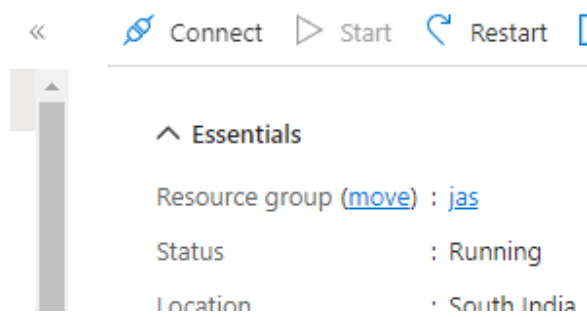
## step 10 : review




## step 11 : result




## step 12 : connect



step 13 : select ssh

Unsupported by plan 

## Recommended



Local machine

Azure portal

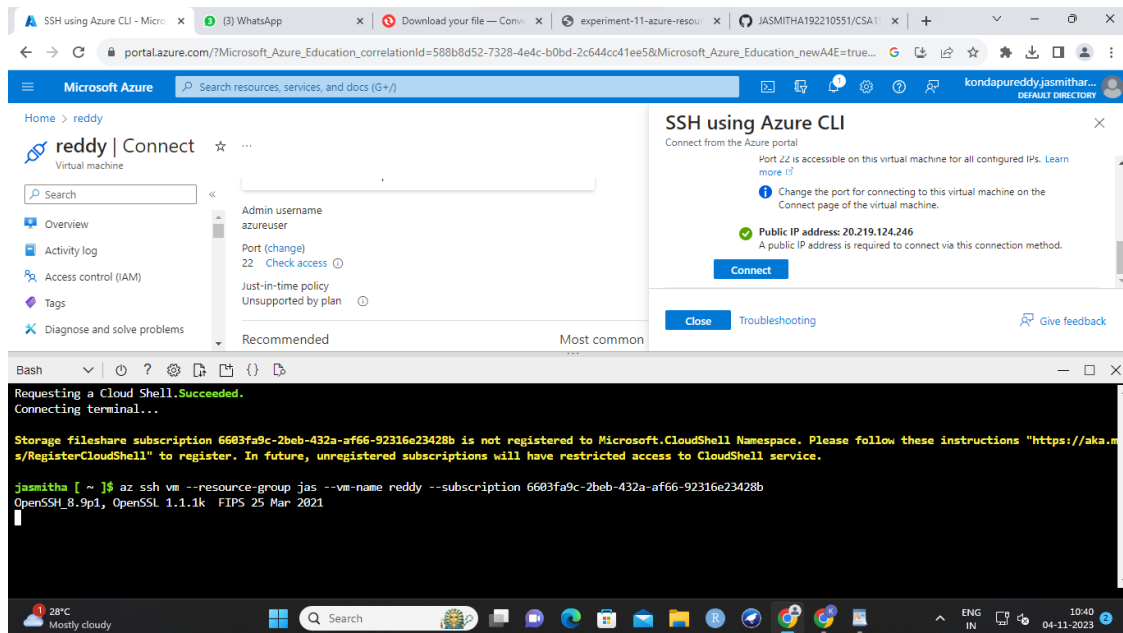
### SSH using Azure CLI

Quickly connect in browser. Supports Azure AD authentication. Private key not required.

Public IP address (20.219.124.246)

Select

step 14 : give tick and agree



step 15 : getting a bash and then type yes and once pur saveetha mail is shown experiemnt got done

