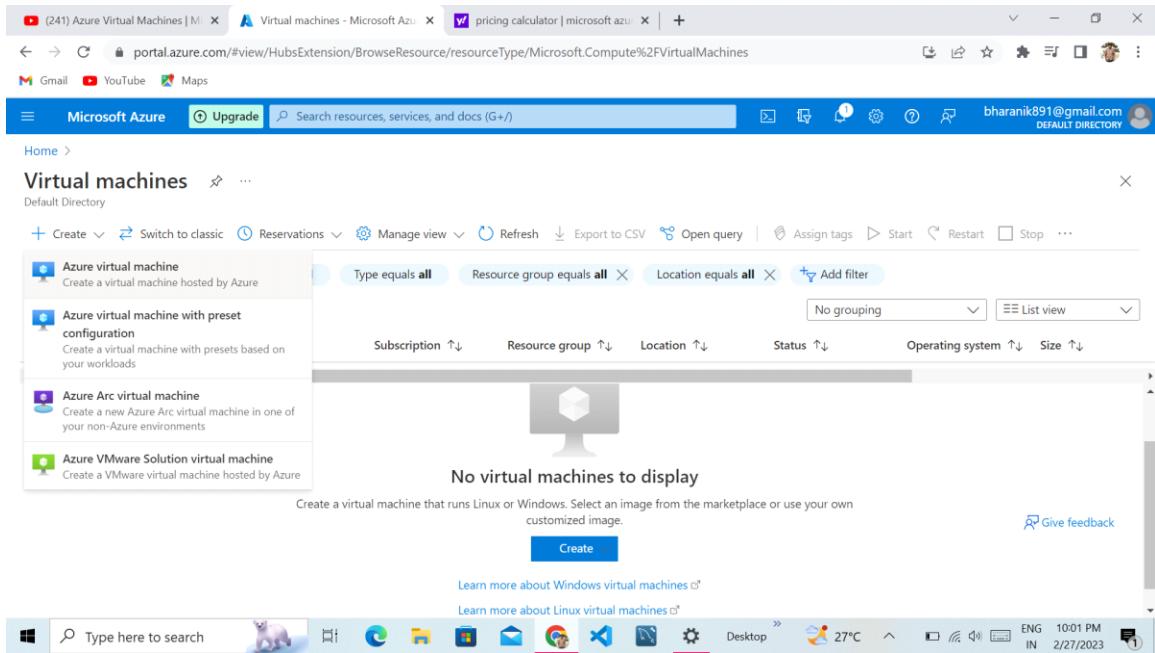


# CREATING AZURE VISUAL MACHINE

B.Bharani kumar |

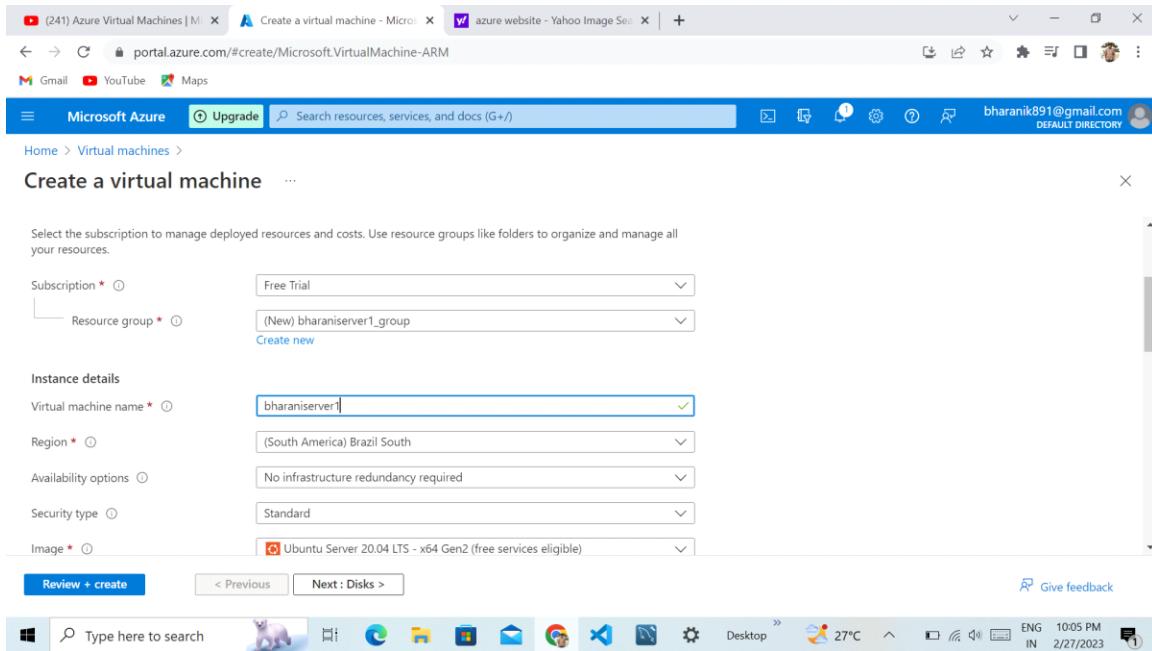
INTO0875

1. Open Azure website > login > Select virtual machines > click > + create

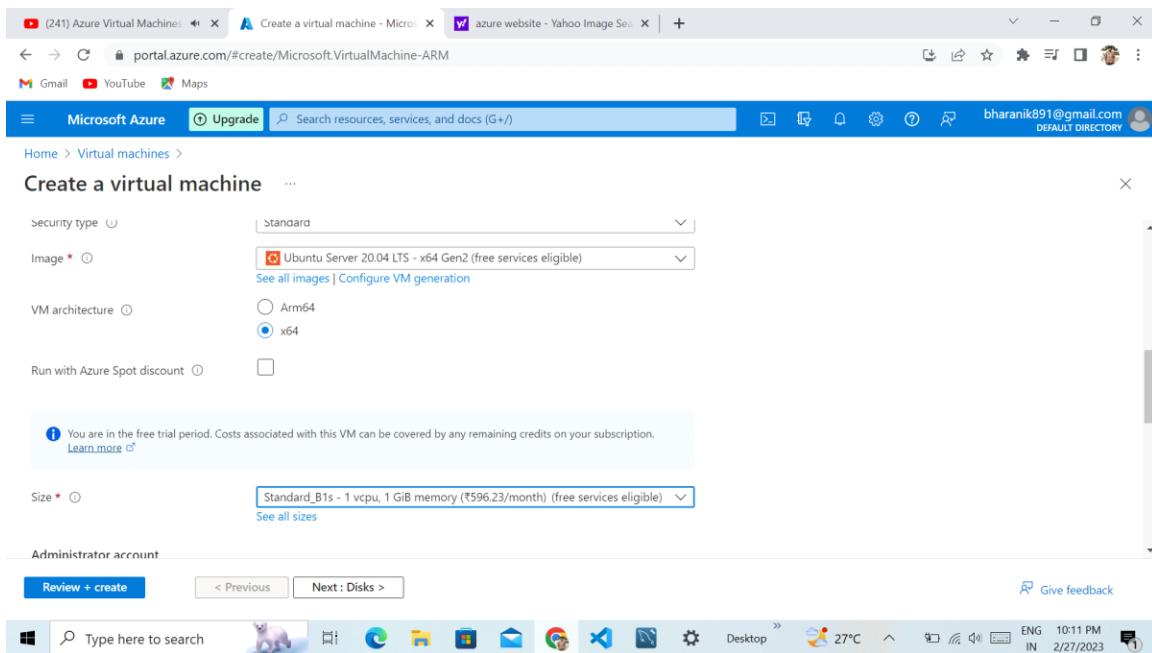


The screenshot shows the Microsoft Azure portal interface. The user is on the 'Virtual machines' page under the 'Default Directory'. The top navigation bar includes links for 'Azure Virtual Machines', 'Virtual machines - Microsoft Azure', 'pricing calculator | microsoft azure', and 'portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Compute%2FVirtualMachines'. The main content area displays a list of virtual machine types: 'Azure virtual machine', 'Azure virtual machine with preset configuration', 'Azure Arc virtual machine', and 'Azure VMware Solution virtual machine'. A large 'Create' button is prominently displayed at the bottom left of the page. The status bar at the bottom shows system information like 'Type here to search', 'Desktop', '27°C', and the date '2/27/2023'.

2. Select azure virtual machine > put name in an instance details



### 3. Select size > click free services eligible



### 4. Select > Disks

Key pair name \* bharaniserver1\_key

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 \*  Allow selected ports

Select inbound ports \* SSH (22)

**⚠️ 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.

Review + create < Previous Next : Disks > Give feedback

## 5.Select port and add HTTP (80)

Key pair name \* bharaniserver1\_key

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 \*  Allow selected ports

Select inbound ports \* HTTP (80), SSH (22)

**⚠️ 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.

Review + create < Previous Next : Disks > Give feedback

## 6.Select OS disk type > change Standard SSD >Select Networking

The screenshot shows the Microsoft Azure portal interface for creating a new virtual machine. The top navigation bar includes links for 'Azure Virtual Machines', 'Create a virtual machine', and 'azure website - Yahoo Image Search'. The main header says 'Microsoft Azure' and 'Upgrade'. A search bar is present, along with account information for 'bharanik891@gmail.com'.

The current step is 'Create a virtual machine'. Under 'OS disk type', 'Standard SSD (locally-redundant storage)' is selected. A tooltip explains that Premium SSD disks offer lower latency, higher IOPS, and bandwidth, and can handle bursts. There are options for 'Delete with VM' (radio button selected) and 'Key management' (dropdown set to 'Platform-managed key').

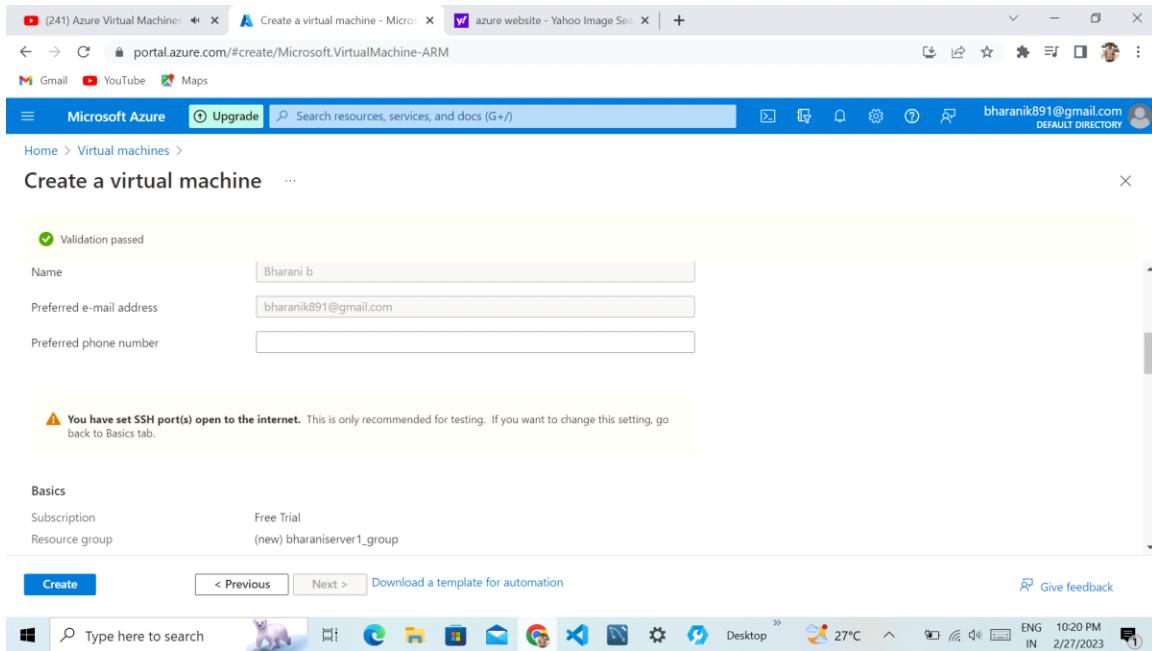
In the 'Data disk for bharaniserver1' section, it's noted that you can add and configure additional data disks or attach existing ones. A temporary disk is also mentioned. The table below lists disk details:

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
					<input checked="" type="radio"/>

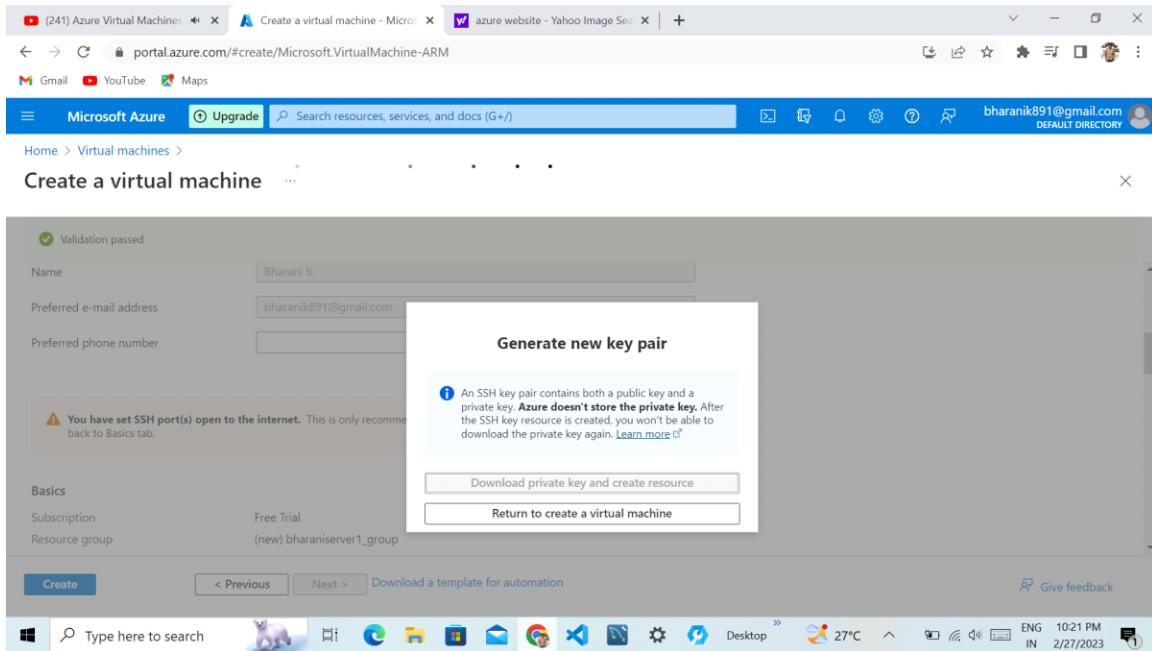
Buttons at the bottom include 'Review + create' (highlighted in blue), '< Previous' (disabled), 'Next : Networking >', and 'Give feedback'.

The taskbar at the bottom shows various pinned icons and system status: 27°C, ENG IN, 10:16 PM, 2/27/2023.

## 7.Validation passed > then select > Create



## 8.Select create after > Pop up shows Generate new key pair > then download private key



## 9.Deployment is in progress

The screenshot shows the Microsoft Azure Deployment Overview page for a deployment named "CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230227220139". The status is "Deployment is in progress". The deployment details table lists four resources: bharaniserver1390\_z1, bharaniserver1-nsg, bharaniserver1-vnet, and bharaniserver1-ip, all in a "Created" or "OK" state. The deployment started at 2/27/2023, 10:22:00 PM. The Azure taskbar at the bottom shows various icons and the date/time as 2/27/2023, 10:22 PM.

## 10.Your deployment is complete

The screenshot shows the Microsoft Azure Deployment Overview page for the same deployment. The status is now "Your deployment is complete". The deployment details table remains the same. The "Next steps" section includes "Setup auto-shutdown" (Recommended), "Monitor VM health, performance and network dependencies" (Recommended), and "Run a script inside the virtual machine" (Recommended). The Azure taskbar at the bottom shows various icons and the date/time as 2/27/2023, 10:23 PM.

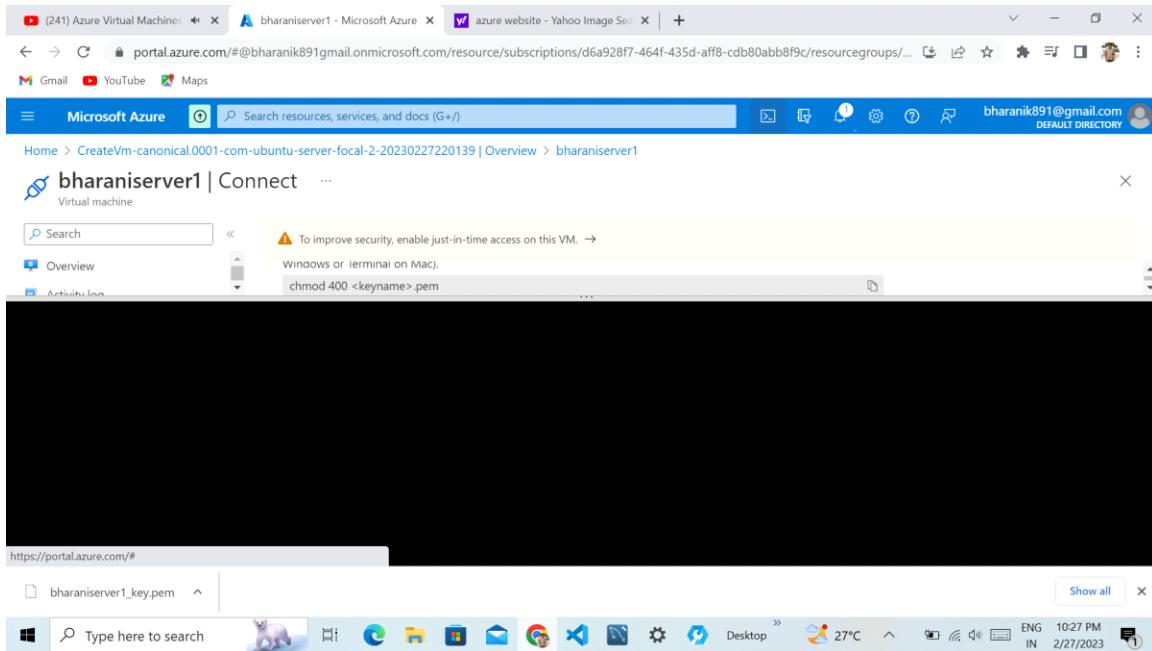
## 11.Select connect > click SSH

The screenshot shows the Microsoft Azure portal interface. At the top, there are three tabs: '(241) Azure Virtual Machine', 'bharaniserver1 - Microsoft Azure', and 'azure website - Yahoo Image Se...'. Below the tabs is a navigation bar with links to Gmail, YouTube, and Maps. The main header bar has a search bar and a user profile for 'bharanik891@gmail.com'. The title bar says 'Microsoft Azure' and 'bharaniserver1 - Virtual machine'. The left sidebar contains navigation links: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Disks, Size, Microsoft Defender for Cloud, and a key file link for 'bharaniserver1\_key.pem'. The main content area is titled 'bharaniserver1' and shows the 'Overview' tab. Under 'Connect', the 'SSH' tab is selected, showing the status as 'Ready'. Other tabs include RDP and Bastion. To the right, there's a 'Size' section showing 'Standard B1s' with 1 vCPU and 1 GiB RAM, and a 'Disk' section showing an OS disk named 'bharaniserver1\_OsDisk\_1'. The bottom of the screen shows the Windows taskbar with various pinned icons.

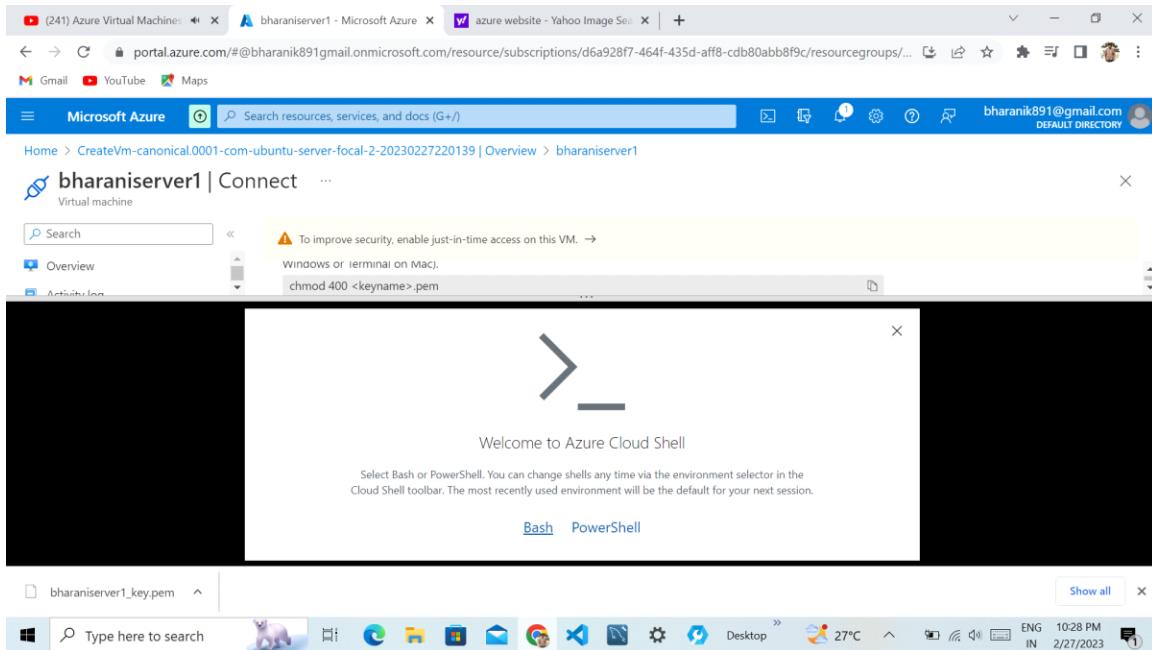
## 12. Select SSH > its shows below green tick and shows suggested method for connecting

This screenshot shows the 'Connect' page for the virtual machine 'bharaniserver1'. The 'SSH' tab is active. A green checkmark next to the text 'Suggested method for connecting' indicates that SSH is the recommended way to access the VM. Below this, there are instructions: '1. Open the client of your choice, for example WSL on Windows, Terminal on Mac or Shell on Linux.' and '2. Ensure you have read-only access to the private key. Chmod is only supported on Linux subsystems (e.g. WSL on Windows or Terminal on Mac). chmod 400 <keyname>.pem'. There is also a field for 'Private key path' containing the value '/~/.ssh/<keyname>.pem'. The left sidebar and taskbar are identical to the previous screenshot.

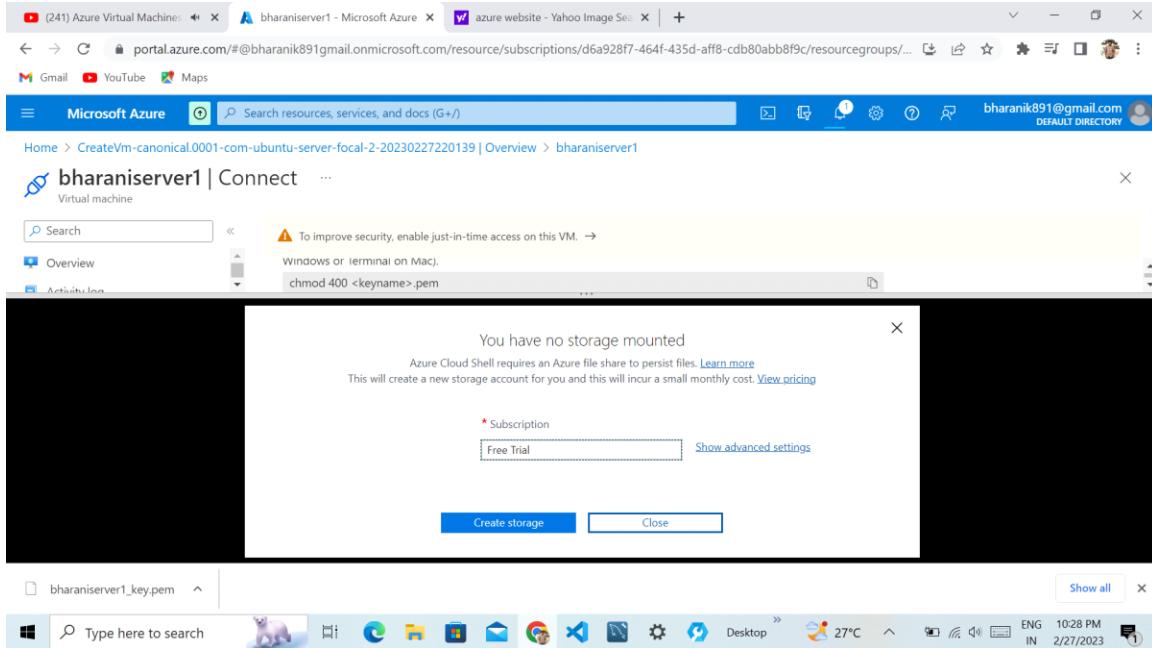
## 13. Select Powershell |>\_|



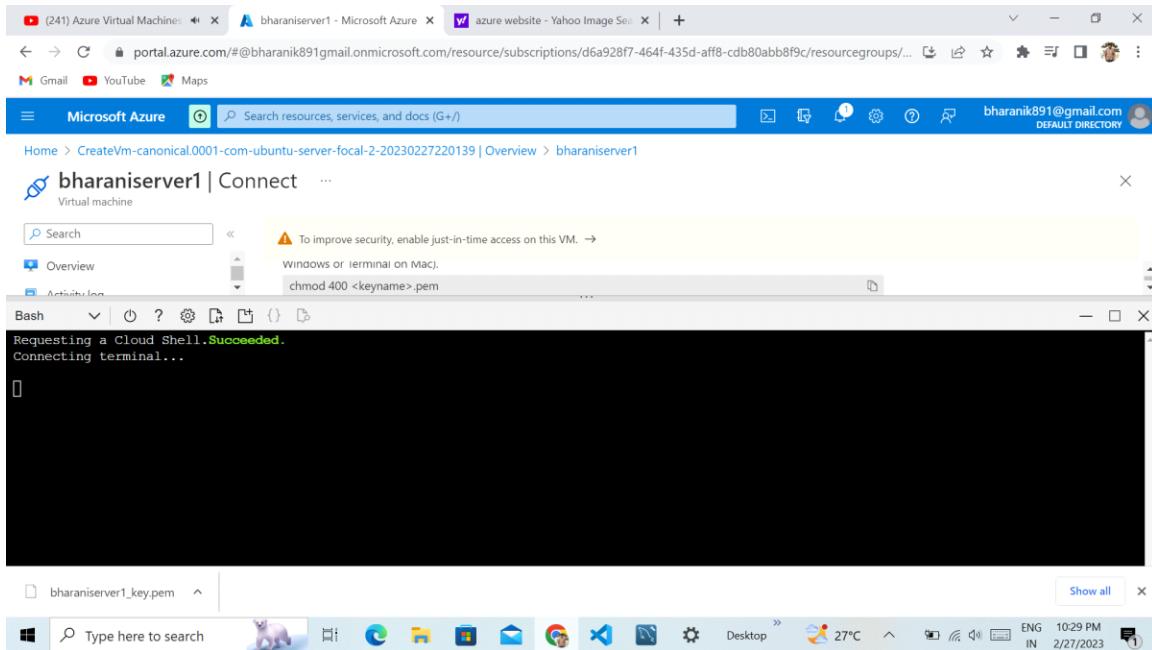
#### 14. Select > Bash



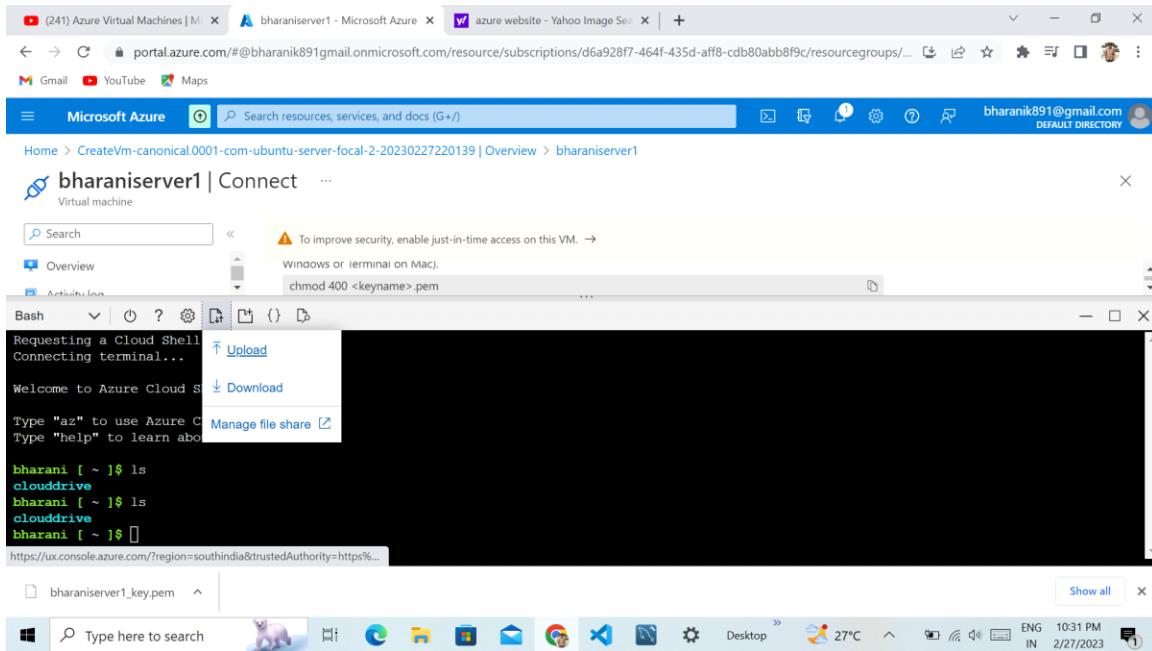
#### 15. Free trial > Select > Create storage



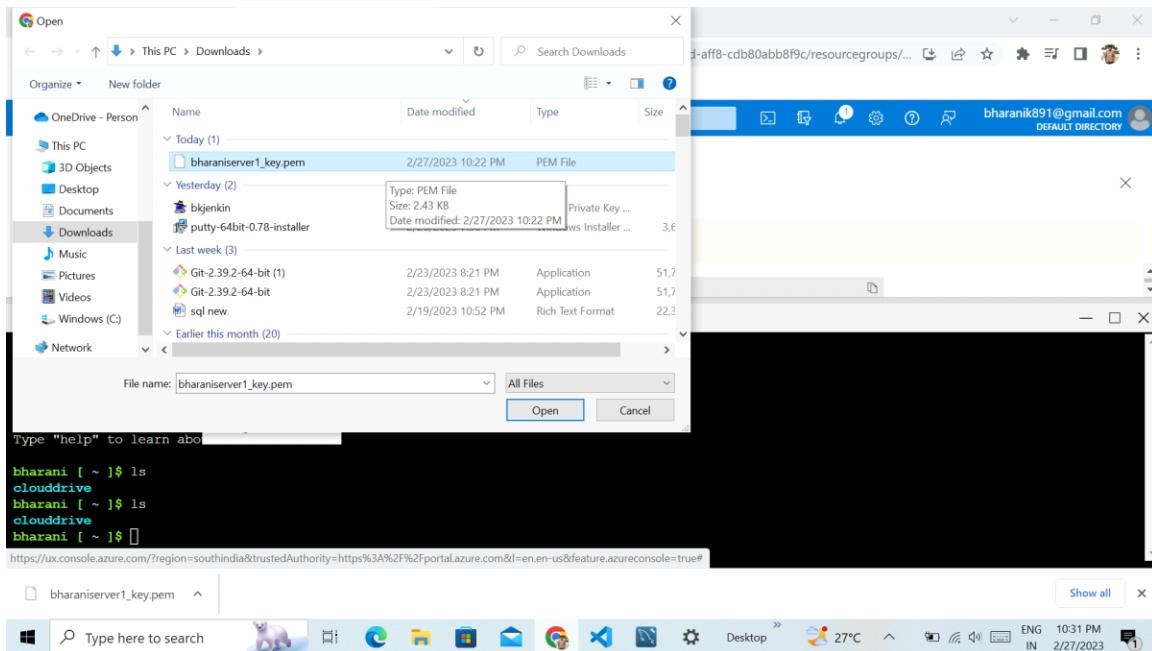
## 16.Now bash shows



## 17.In bash > type >ls >then upload your downloaded key into bash



## 18. Select downloaded file then upload



## 19. Type the some commands in bash

```

total 60
drwxr-xr-x 3 bharani bharani 4096 Feb 27 17:16 .
drwxrwxrwx 3 root root 4096 Feb 27 17:16 .
drwx----- 5 bharani bharani 4096 Feb 27 16:59 .azure
-rw----- 1 bharani bharani 63 Feb 27 17:14 .bash_history
-rw-r--r-- 1 bharani bharani 178 Apr 23 2022 .bash_logout
-rw-r--r-- 1 bharani bharani 645 Apr 23 2022 .bash_profile
-rw-r--r-- 1 bharani bharani 741 Feb 27 16:59 .bashrc
-rw-r----- 1 bharani bharani 2494 Feb 27 17:01 bharaniserver1_key.pem
lrwxrwxrwx 1 bharani bharani 22 Feb 27 17:16 clouddrive -> /usr/csuser/clouddrive
-rw-r--r-- 1 bharani bharani 42 Feb 27 16:59 .tmux.conf
-rw-r--r-- 1 bharani bharani 22287 Jun 17 2022 .zshrc
bharani [ ~ ]$ 

```

## 20.After some command > It shows want to continue connecting (yes/no)?

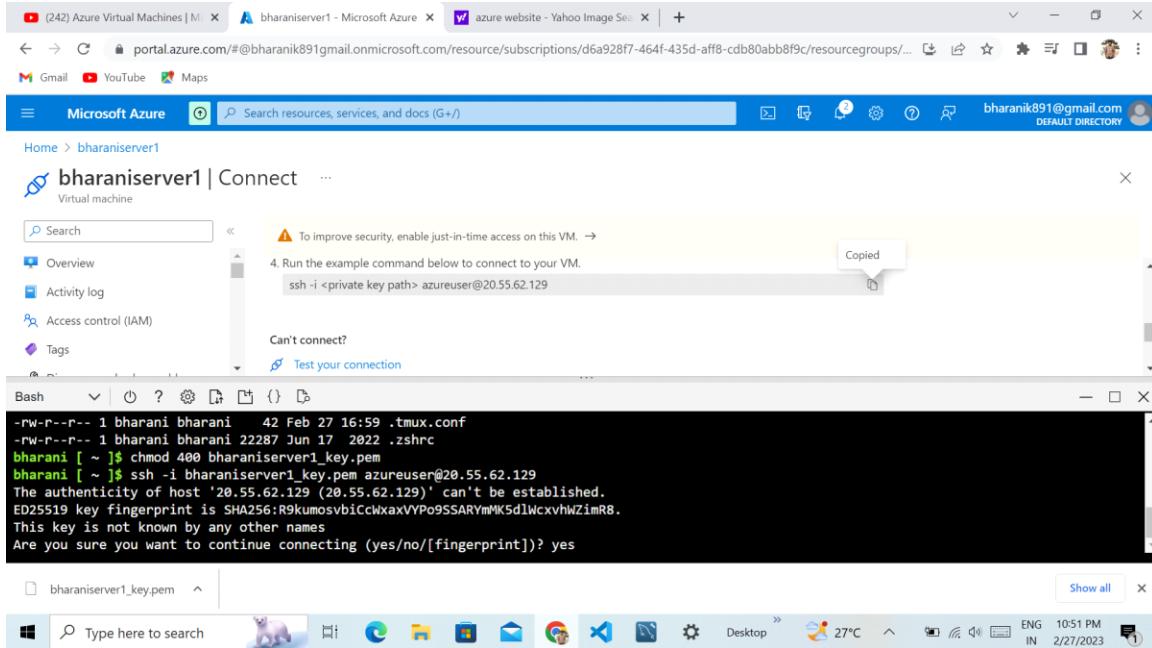
```

total 60
drwxr-xr-x 3 bharani bharani 4096 Feb 27 16:59 .
drwxrwxrwx 3 root root 4096 Feb 27 17:16 .
drwx----- 5 bharani bharani 4096 Feb 27 16:59 .azure
-rw----- 1 bharani bharani 63 Feb 27 17:14 .bash_history
-rw-r--r-- 1 bharani bharani 178 Apr 23 2022 .bash_logout
-rw-r--r-- 1 bharani bharani 645 Apr 23 2022 .bash_profile
-rw-r--r-- 1 bharani bharani 741 Feb 27 16:59 .bashrc
-rw-r----- 1 bharani bharani 2494 Feb 27 17:01 bharaniserver1_key.pem
lrwxrwxrwx 1 bharani bharani 22 Feb 27 17:16 clouddrive -> /usr/csuser/clouddrive
-rw-r--r-- 1 bharani bharani 42 Feb 27 16:59 .tmux.conf
-rw-r--r-- 1 bharani bharani 22287 Jun 17 2022 .zshrc
bharani [ ~ ]$ ssh -i <private key path> azureuser@20.55.62.129
Copied
4. Run the example command below to connect to your VM.

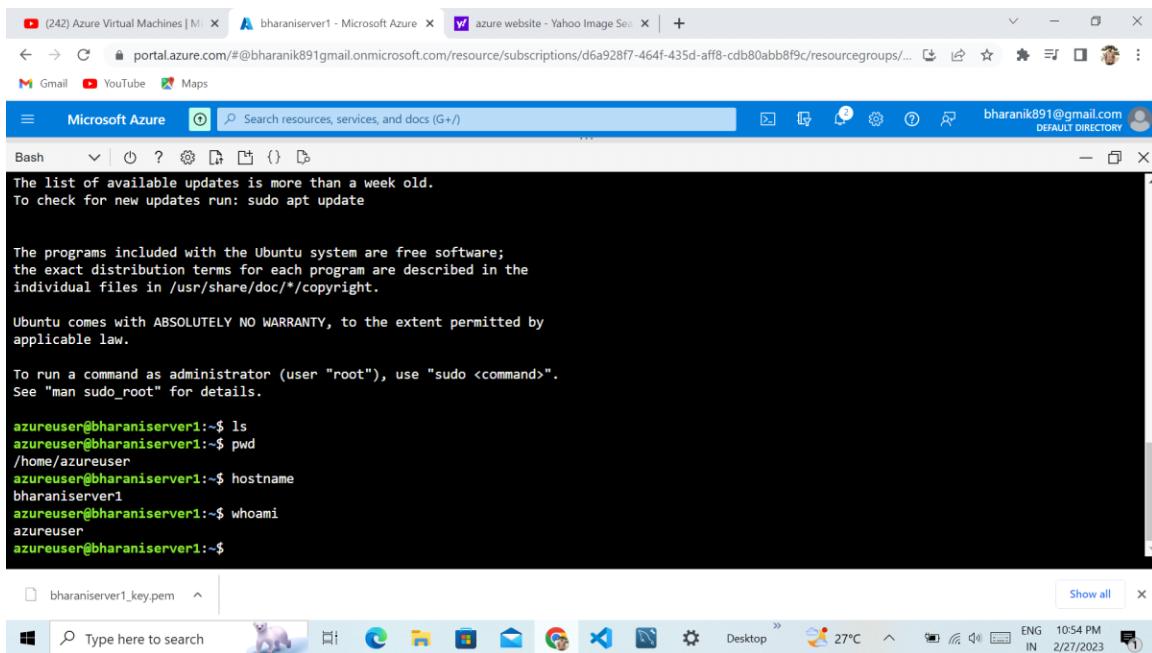
ssh -i <private key path> azureuser@20.55.62.129
Can't connect?
Test your connection

```

## 21.Put yes



## 22.Type these commands > now virtual machine is created



## 23.select virtual machine > select

Showing 1 to 1 of 1 records.

Name	Type	Subscription	Resource group	Location	Status	Operating system	Size
bharaniserver1	Virtual machine	Free Trial	bharaniserver1_group	East US	Running	Linux	Standard_B1s

## 24.Delete resources

Do you want to delete all the selected virtual machines?

⚠ Warning: Deleting the selected virtual machines is irreversible. This action will permanently delete the selected virtual machines. Associated resources, such as disks and virtual networks will not be deleted and can be removed manually. This action cannot be undone. Do you want to continue?

Apply force delete for selected Virtual machines and Virtual machine scale sets

Confirm delete \*

Delete Cancel

## 25.Delete after it shows look like this window > then logout

YouTube (242) Azure Virtual Machine | Virtual machines - Microsoft Azure | azur... | portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Compute%2FVirtualMachines

Gmail YouTube Maps

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

bharanik891@gmail.com DEFAULT DIRECTORY

Home > Virtual machines ...

Default Directory

+ Create Switch to classic Reservations Manage view Refresh Export to CSV Open query Assign tags Start Restart Stop ...

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add filter

Showing 0 to 0 of 0 records.

Name ↑ Type ↑ Subscription ↑ Resource group ↑ Location ↑ Status ↑ Operating system ↑ Size ↑

No virtual machines to display

Give feedback

bharaniserver1\_key.pem Show all

Type here to search

27°C ENG IN 10:56 PM 2/27/2023

