11. Aim: To change the hardware compatability of a VM either by clone / create a new virtual machine.

Procedure:

⇒ Open VM work Station.
⇒ Select a VM and right click it
⇒ Add hardware at a select ~~sc si &~~ click next.
⇒ Click on ~~new~~ present virtual disk.
⇒ Give the name :
⇒ Give maximum RAM size.
⇒ Change no. of processors.
⇒ Choose the maximum disk capacity.
⇒ Click on the finish.
⇒ The Hardware compatability is changed compare with other.

output:

memory	2GB	memory	6GB
Processor	1	Processor	8
Hard disk	20GB	Hard Disk	40GB
CD/DVD	Auto	CD/DVD	Auto
network Adapter	Present	network adapter	Present
USB controller	Auto	USB controller	Auto

Result: We have changed the hardware compatability Successfully.

Clone of uday

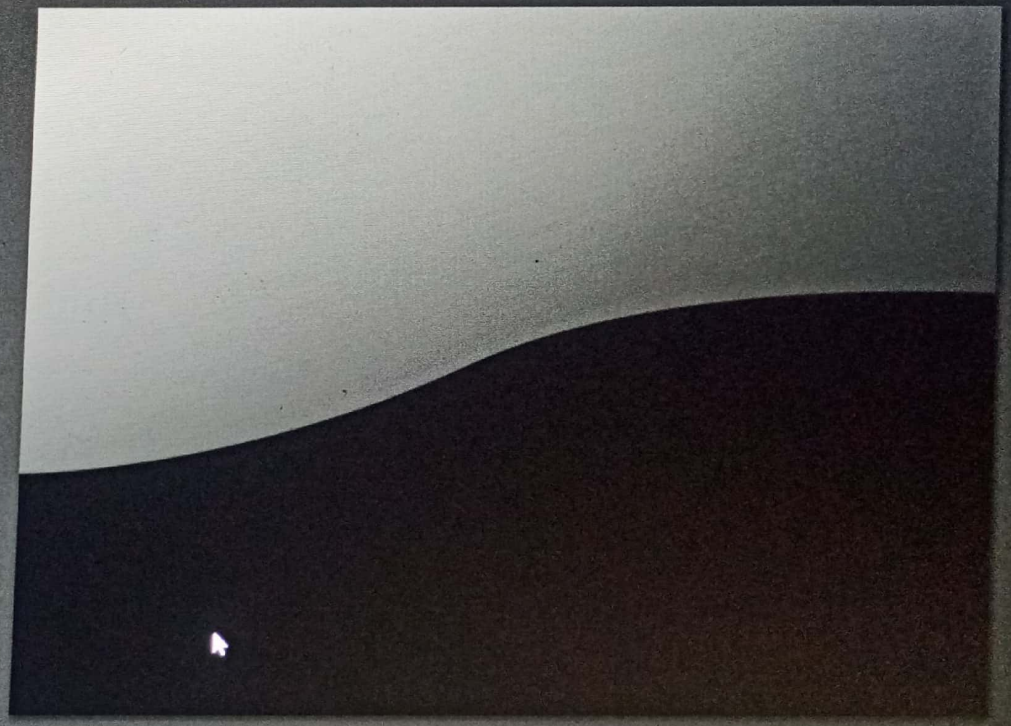
- Power on this virtual machine
- Edit virtual machine settings
- Upgrade this virtual machine

Devices

Memory	12.1 GB
Processors	1
Hard Disk (SCSI)	21 GB
CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

Description

Type here to enter a description of this virtual machine.



Virtual Machine Details

State: Powered off
Configuration file: C:\Users\Bhargav\Documents\Virtual Machines\Clone of uday\Clone of uday.vmx
Clone of: C:\Users\Bhargav\Documents\Virtual Machines\uday\uday.vmx
Hardware compatibility: Workstation 15.x virtual machine
Primary IP address: Network information is not available

12. Aim: To demonstrate infrastructure as a service creating a resource group by using public cloud service provides.

Procedure

→ Create an account in microsoft azure. By E-mail/student
→ Click on Resources & create a group.
→ Give necessary info & create a new VM with your username & password.
→ create virtual machine with suitable OS. whether ~~as or~~ windows or Linux.
→ Click on : create and finish creating virtual machine.

output:

Uday virtual machine.

Connect Start Stop Restart Delete:

Computer name Uday Host —

OS windows Size - standard

VM generation 3 VCPUs - 3

RAM - 10GB.

Host group. none

Result: We have created ~~IAAS~~ virtual machine in azure and executed as IAAS.

Move | Delete | Refresh | Give feedback

Essentials

Resource group (move) : uday_group

Location : Central India

Subscription (move) : Azure for Students

Subscription ID : 3c742b6c-5922-47f1-8dbc-053995e61ddf

Tags (edit) : owner : uday

Custom security rules : 1 inbound, 0 outbound

Associated with : 0 subnets, 1 network interfaces

Filter by name | Port == all | Protocol == all | Source == all | Destination == all | Action == all

Priority	Name	Port	Protocol	Source	Destination	Action
Inbound Security Rules						
300	SSH	22	TCP	Any	Any	Allow
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerIn...	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny
Outbound Security Rules						
65000	AllowVnetOutBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowInternetOutBound	Any	Any	Any	Internet	Allow
65500	DenyAllOutBound	Any	Any	Any	Any	Deny

13. Aim: To create infrastructure as a service by creating a virtual machine using a public cloud service provider.

Procedure:

→ open microsoft.azure.com
→ login to the free student account. By E-mail.
→ click on resource and create resource group
→ click on new virtual machine to create a new VM.
→ now give user name & passport. and other all necessary information. and click on create.
→ Your VM is created.
→ now connect the virtual machine & password for VM and download the file for the new windows VM.

output:

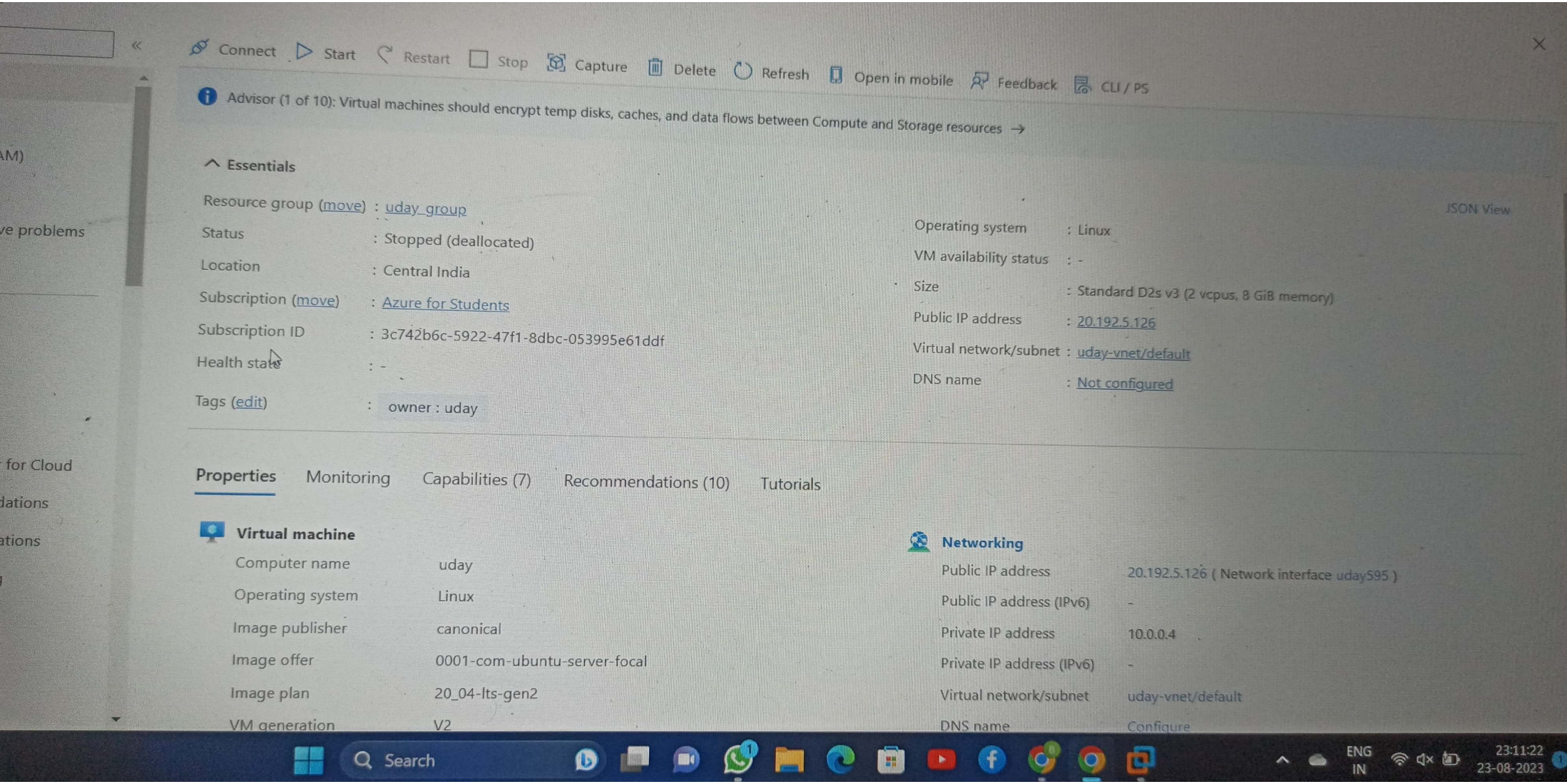
Uday virtual machine
Connect Start Restart Delete Stop Capture
Properties.

Computer name: Uday
OS : windows
Host : none
VM generation : 2-2

Disks
OS disk : disk3
Encryption : none
Data disks : 2

Agent status : Ready (done).

Result: By using azure we created VM ~~By~~ To create IAAS and executed it success fully.

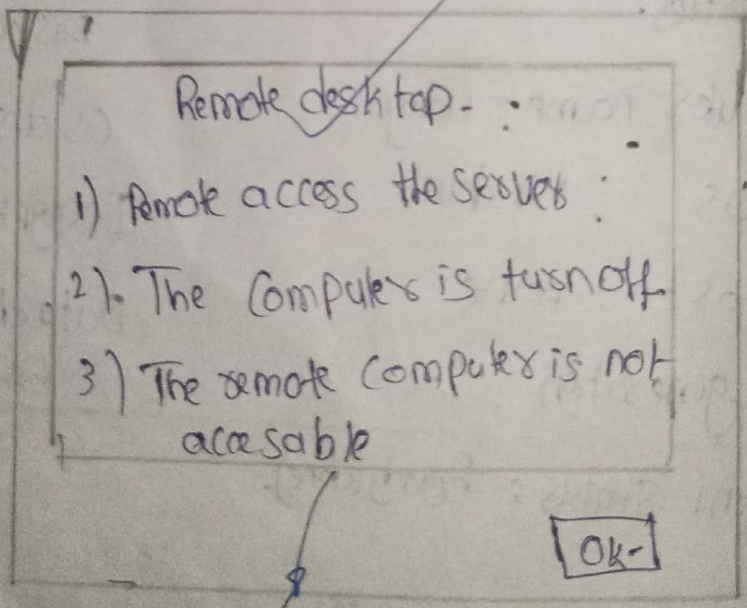


14 Aim: To demonstrate a infrastructure as a service by establishing remote connection launch the VM image and Remote in your desktop.

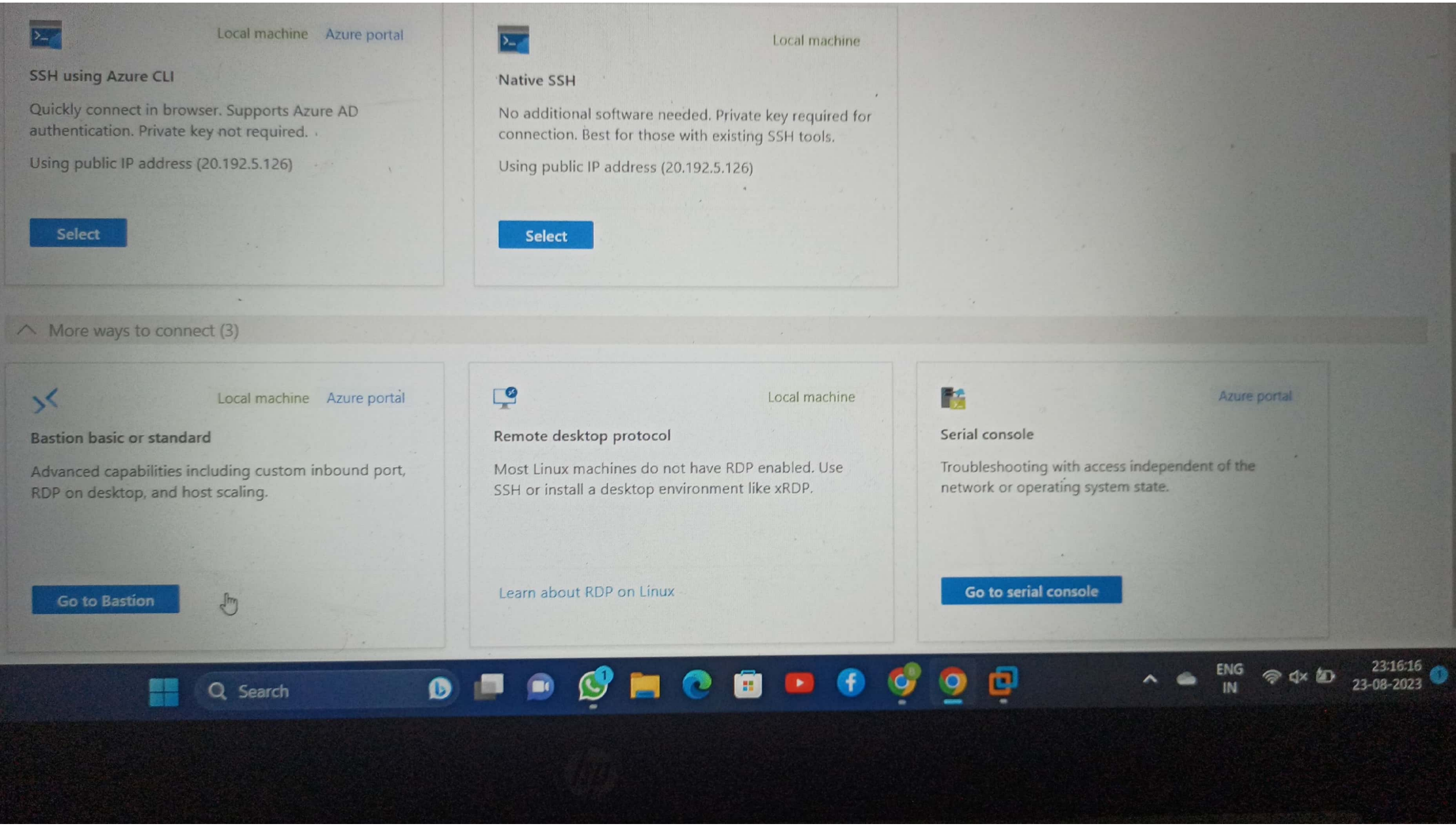
Procedure;

→ Open microsoft azure.com
→ login to the free student account by E-mail.
→ Create a virtual network by click network option.
→ And create a new virtual machine with needed data and click on create option.
→ New VM will be created.
→ Create an image through console. And the image created should have the correct specifications.
→ launch VM By image we created and we can access VM remotely.

output:



Result: we have created and launched VM image Remotely in desktop and demonstrated IAAS successfully.



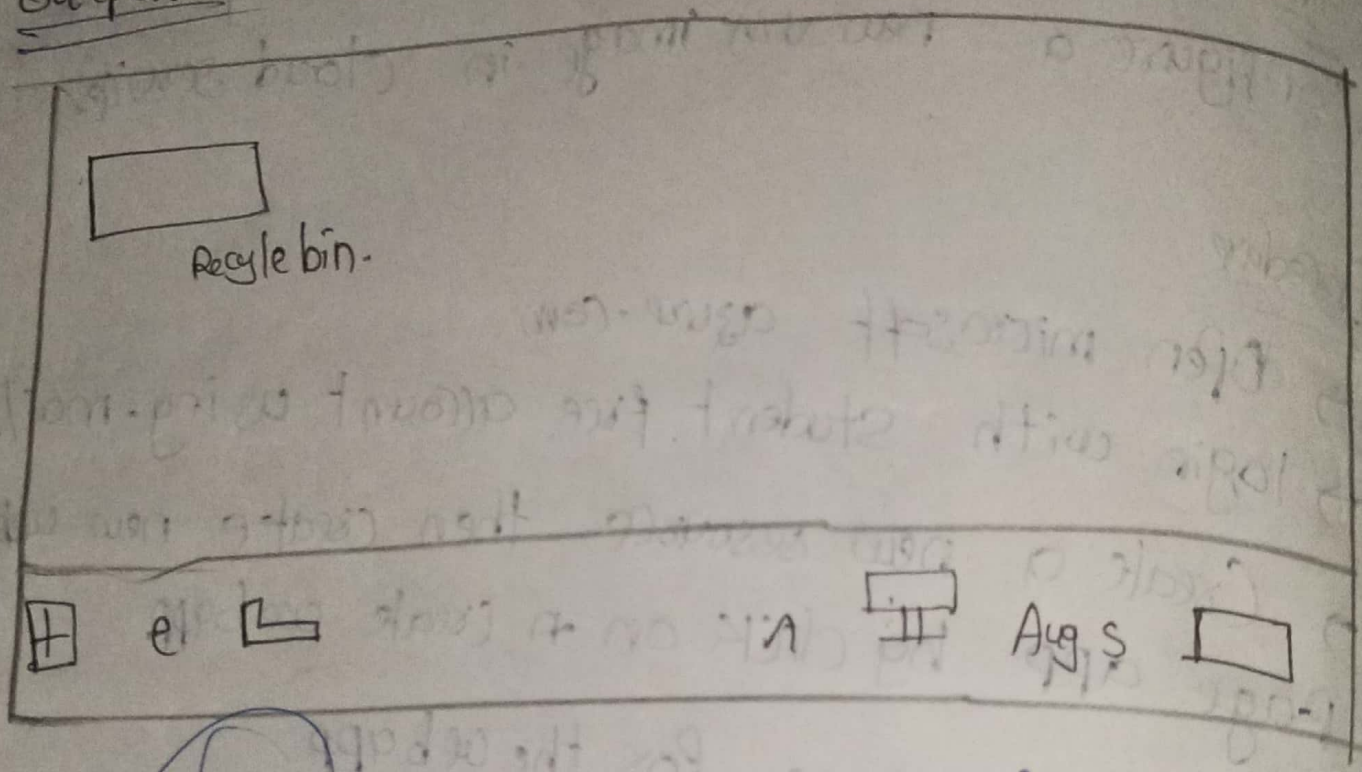
5. Aim: To demonstrate Paas Services & Create Configure a new VM image in cloud service.

Procedure:

→ Open microsoft azure.com
→ login with student free account using mail.
→ Create a new resource then create new web ~~Page~~ app by click on + create web app.
→ give any name for the web app
→ give the program type Java or python
→ specify the os type.
→ and give all other details and click on create option the web app will be created
→ choose run time stack & Configure setting.
→ we can deploy web app code to the azure.
→ Now deployment is done and your resource a URL so you can access the web page.

~~Output:~~
~~Snapshot manager.~~

Output:



Result: We have create a ~~con~~ configured VM image and demonstrated PAAS services and executed successfully.