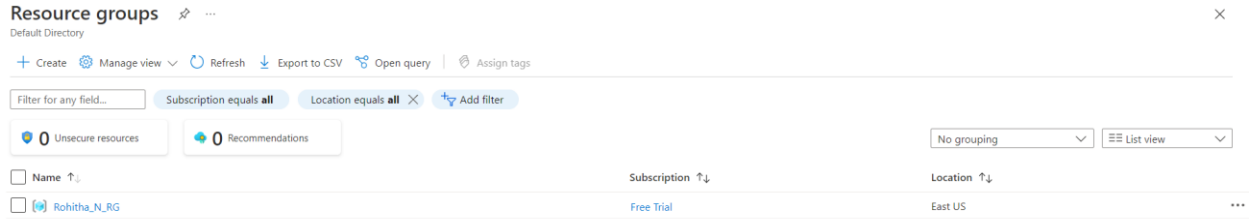
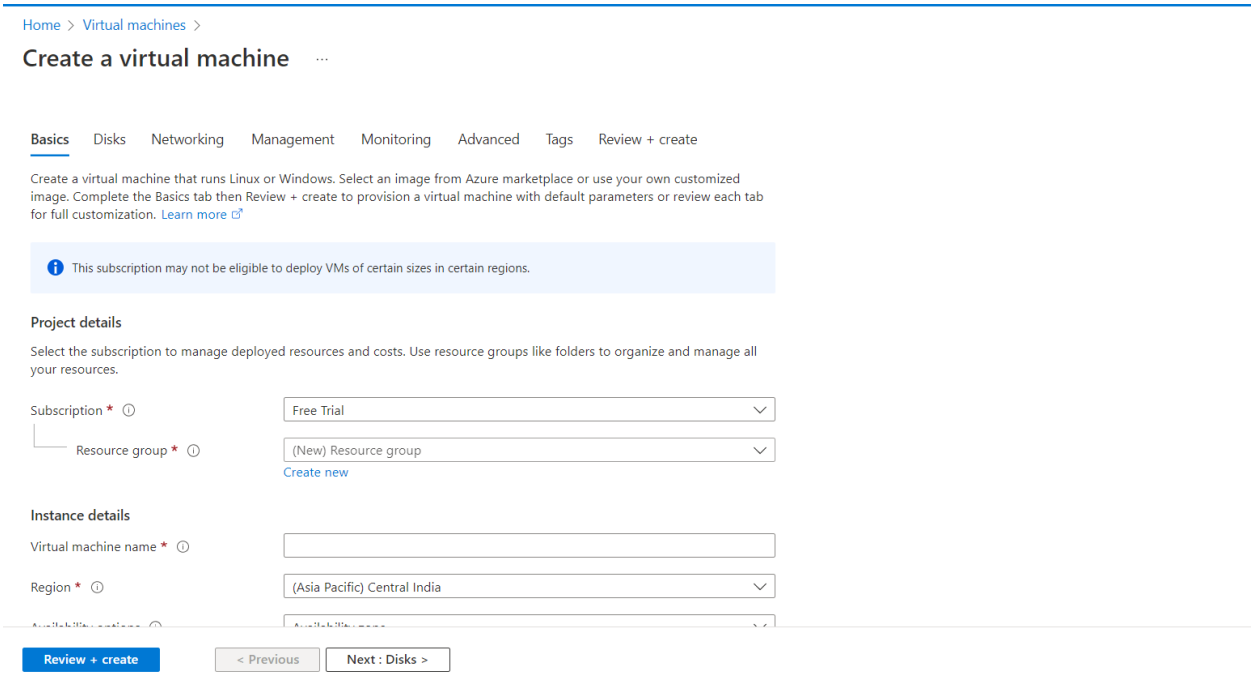
Azure assignment topics:

➔ Create Windows Virtual Machine:

1. Create resource group.



2. Create Windows Virtual machine in same location.



Create a virtual machine ...

See all sizes

Administrator account

Username * RohithaWindows

Password * ••••••••••••••••••

Confirm password * ••••••••••••••••••

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 * RDP (3389)

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 >

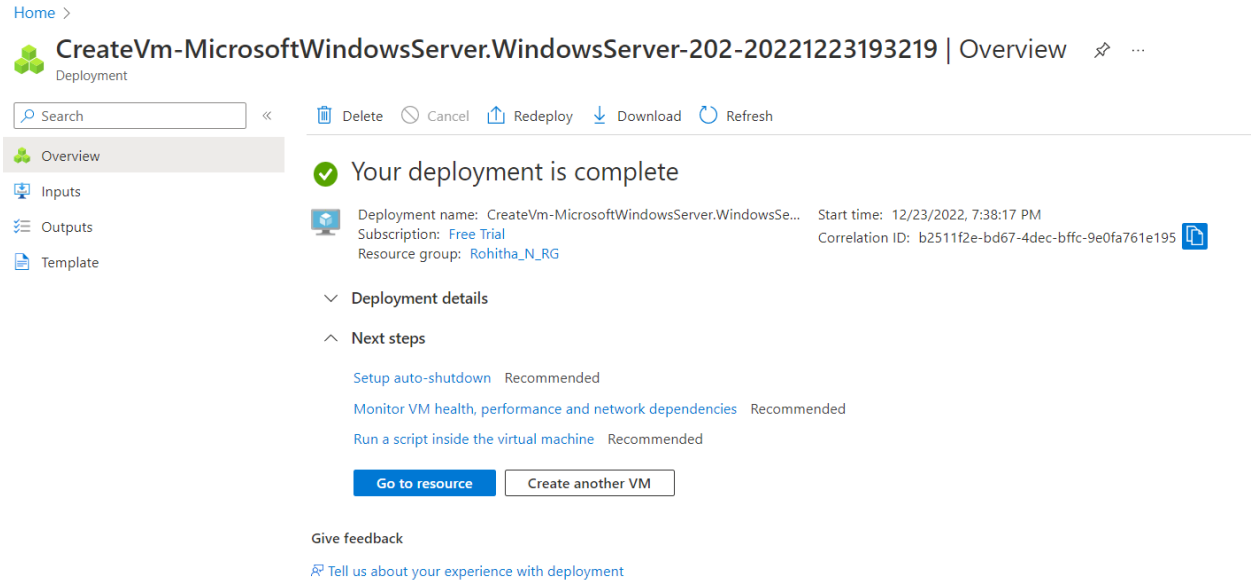
Create a virtual machine ...

Validation passed

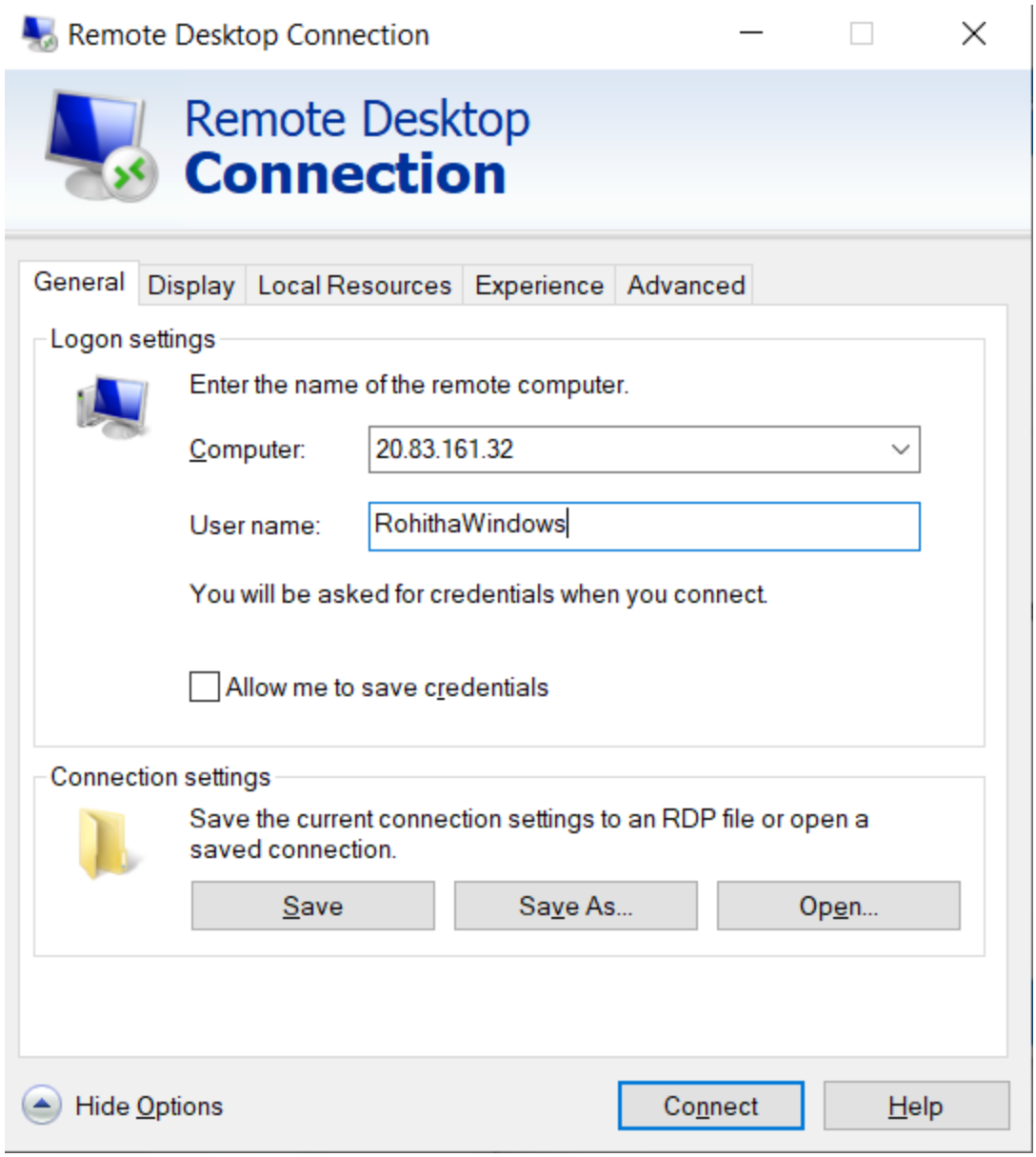
You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

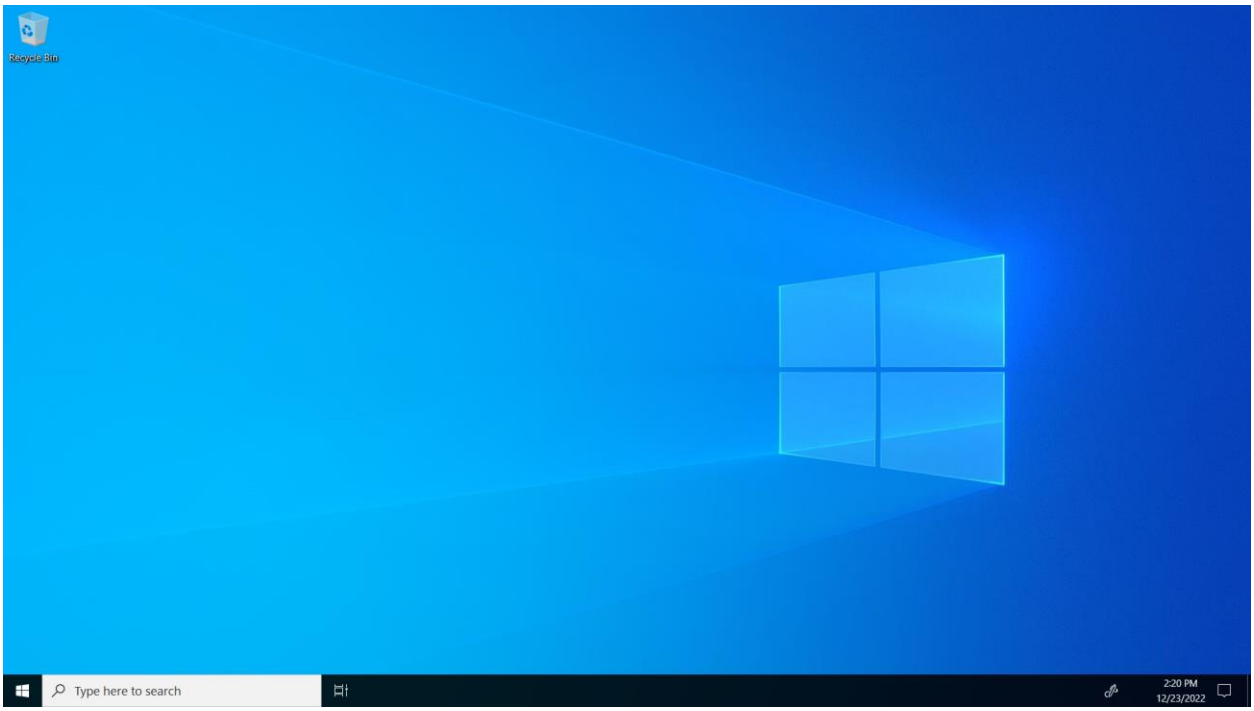
Basics

Subscription	Free Trial
Resource group	Rohitha_N_RG
Virtual machine name	RohithaNamburiWindows
Region	East US
Availability options	Availability zone
Availability zone	1
Security type	Standard
Image	Windows Server 2022 Datacenter: Azure Edition - Gen2
VM architecture	x64
Size	Standard B1s (1 vcpu, 1 GiB memory)
Username	RohithaWindows
Public inbound ports	RDP
Already have a Windows license?	No
Azure Spot	No

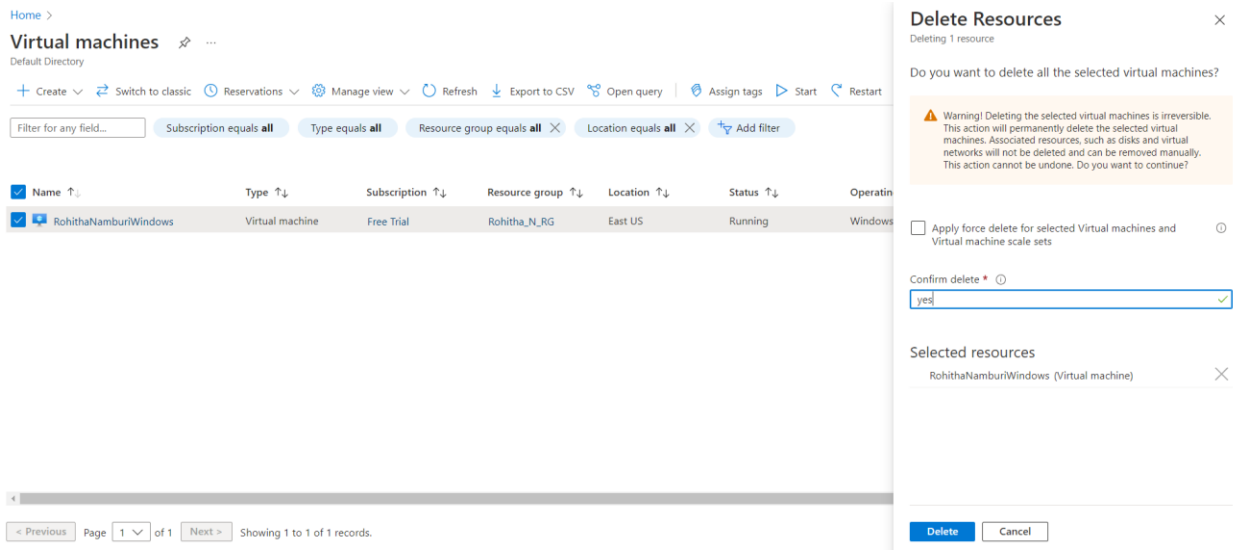


3. Connect Windows virtual machine using Remote desktop connection.
   Give Public IP address and user name to connect.

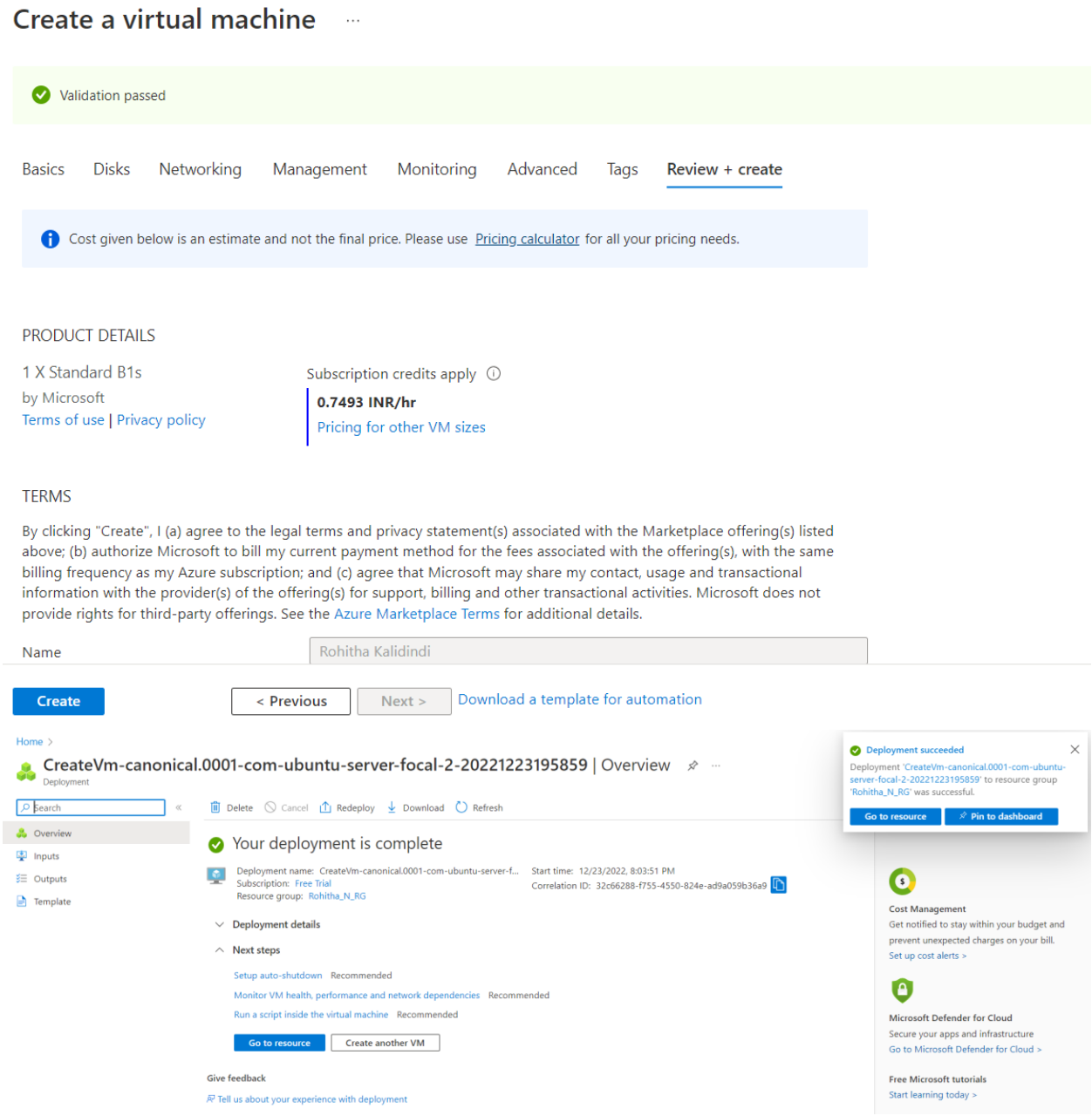

Remote Desktop Connection
Remote Desktop
Connection
General
Display
Local Resources
Experience
Advanced
Logon settings
Enter the name of the remote computer.
Computer:
20.83.161.32
User name:
RohithaWindows
You will be asked for credentials when you connect.
Allow me to save credentials
Connection settings
Save the current connection settings to an RDP file or open a saved connection.
Save
Save As...
Open...
Hide Options
Connect
Help



4. Delete Windows virtual machine.



➔ Create Linux virtual machine:



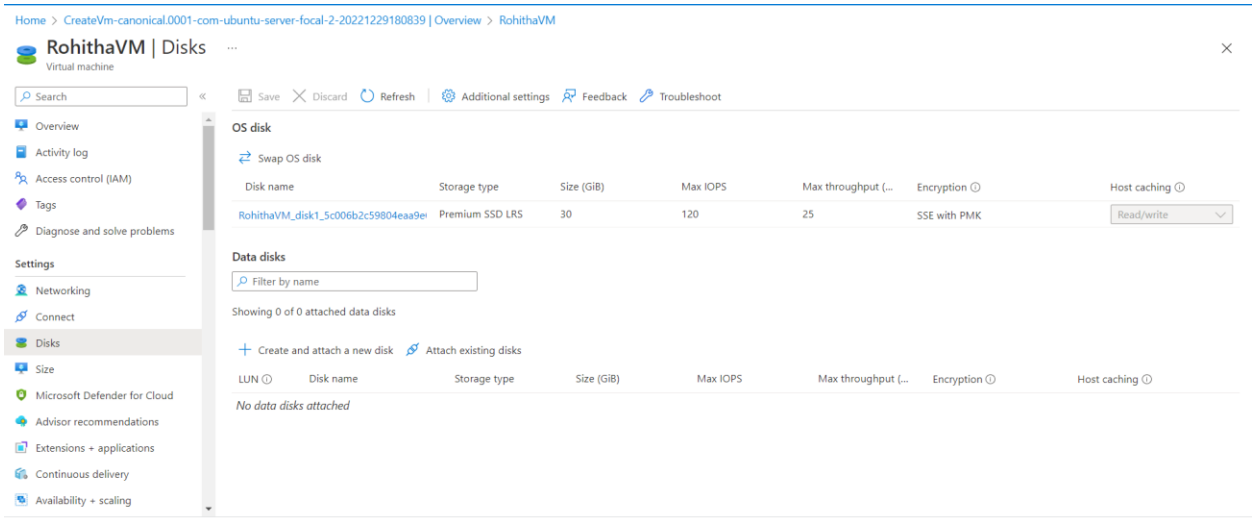
2. Connect Linux machine using SSH any terminal.

```
PS C:\Users\DELL> cd downloads
PS C:\Users\DELL\downloads> ssh -i .\linuxmachine.pem azureuser@20.92.224.233
The authenticity of host '20.92.224.233 (20.92.224.233)' can't be established.
ECDSA key fingerprint is SHA256:lGHdWYtLbO7r1n8QRkfZtJZfc536KExjw4IgkAZ6pZo.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '20.92.224.233' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-1029-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

 System information disabled due to load higher than 1.0

0 updates can be applied immediately.


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@Linuxuser:~$ sudo su
root@Linuxuser:/home/azureuser#
```

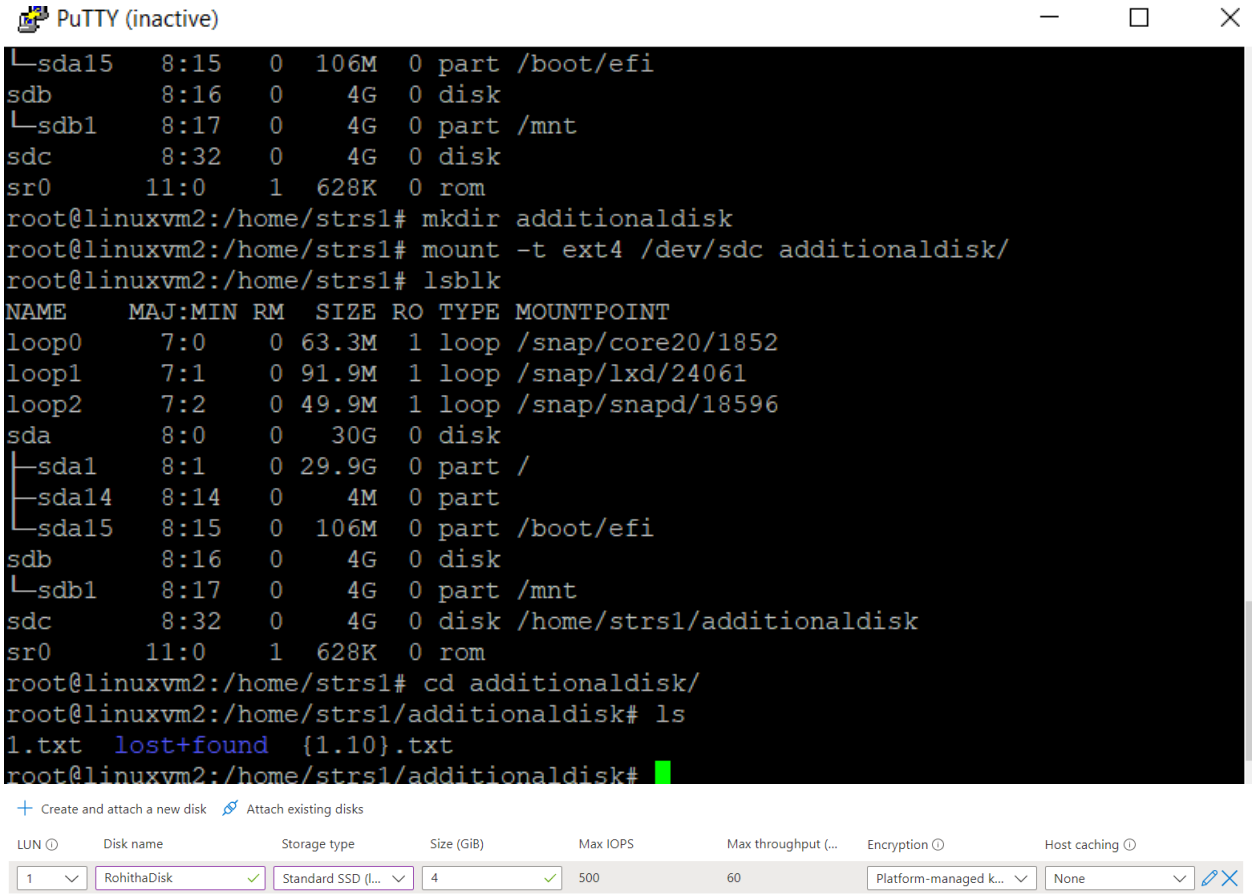
➔ Create Disk for Virtual machine:

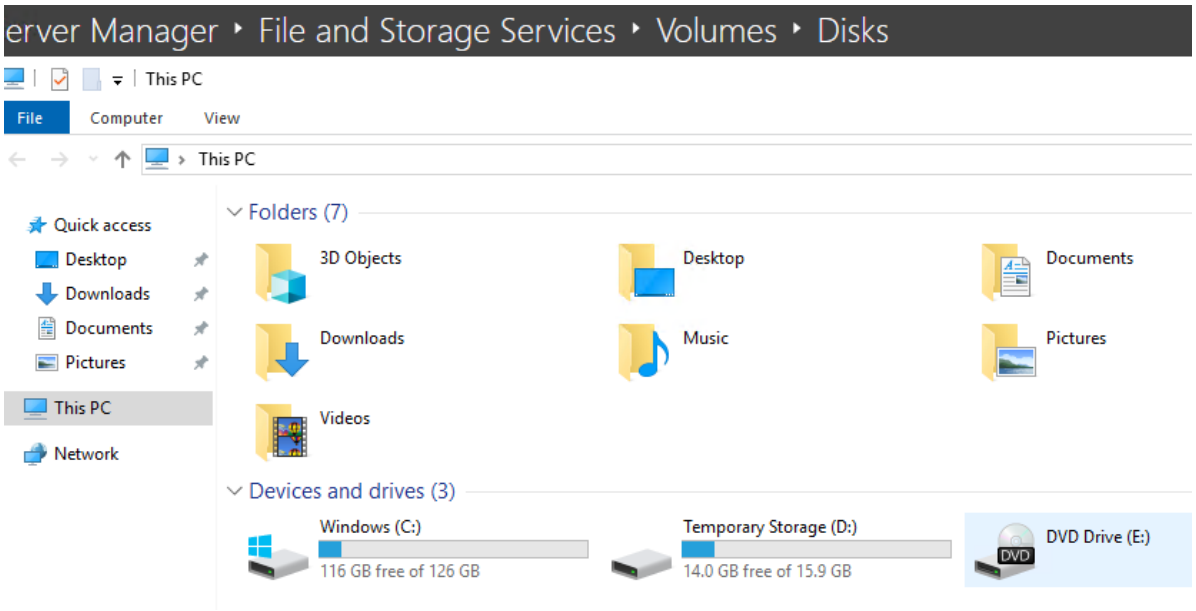
a. lsblk will show the 8 GB additional disk that we added
b. mkfs.ext4 /dev/sdc will make a file system
c. Make a new directory
d. Mount the file system “mount -t ext4 /dev/sdc <dirname>”
e. df -hTP will show the additional disk that is mounted as below
f. Create some files using touch command

Created a new disk, attached the disk to the VM

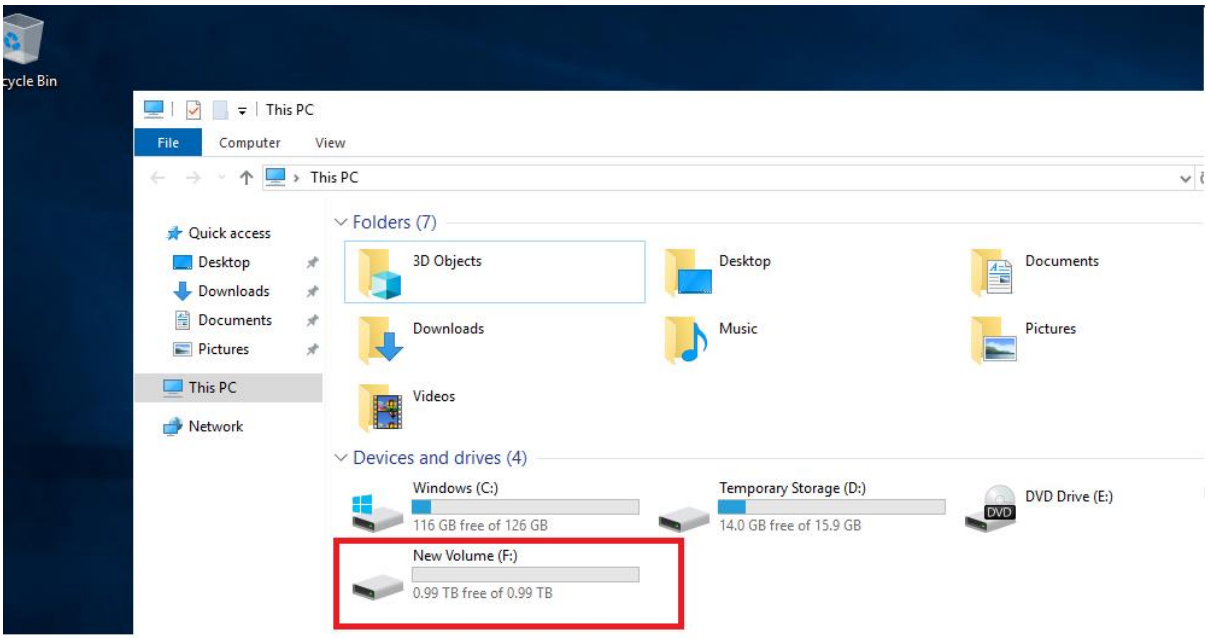


Click on Create and attach a new disk.

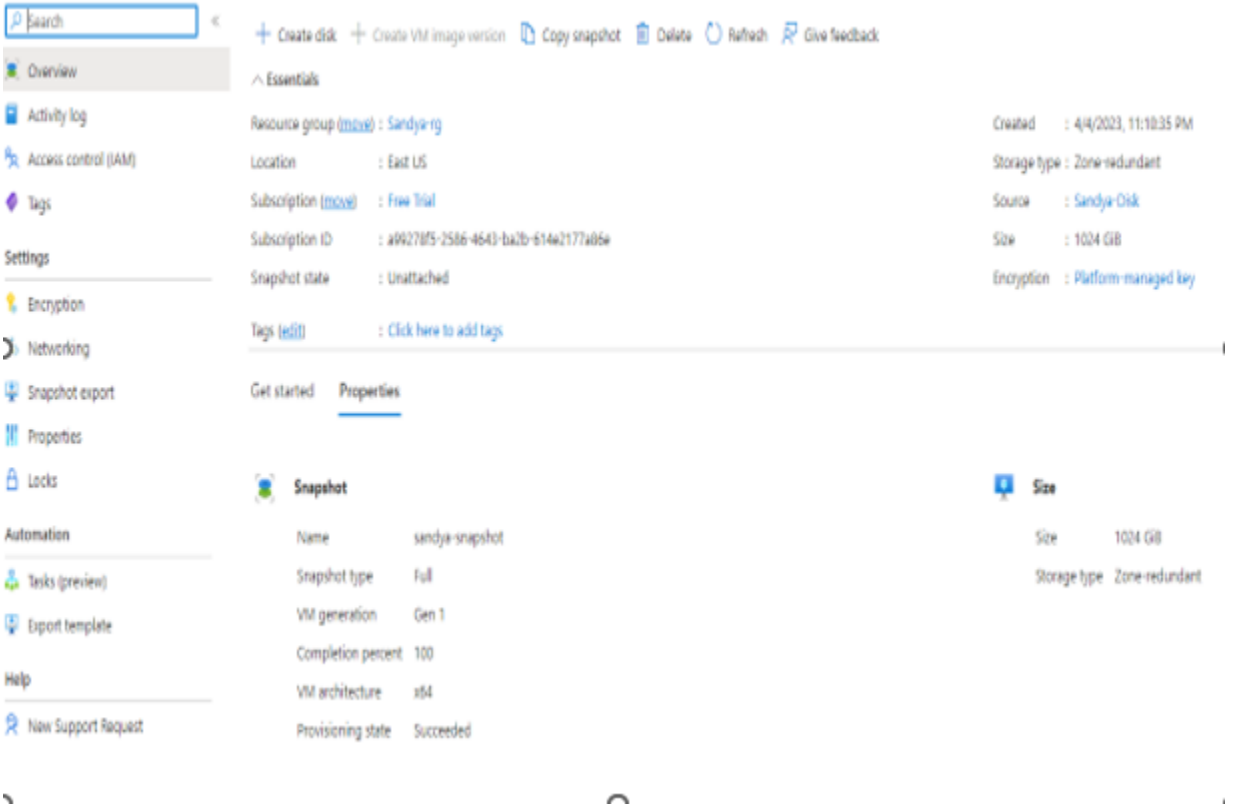


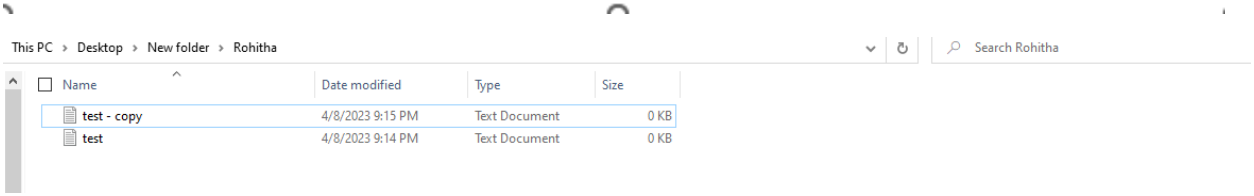


Add new volume as below:

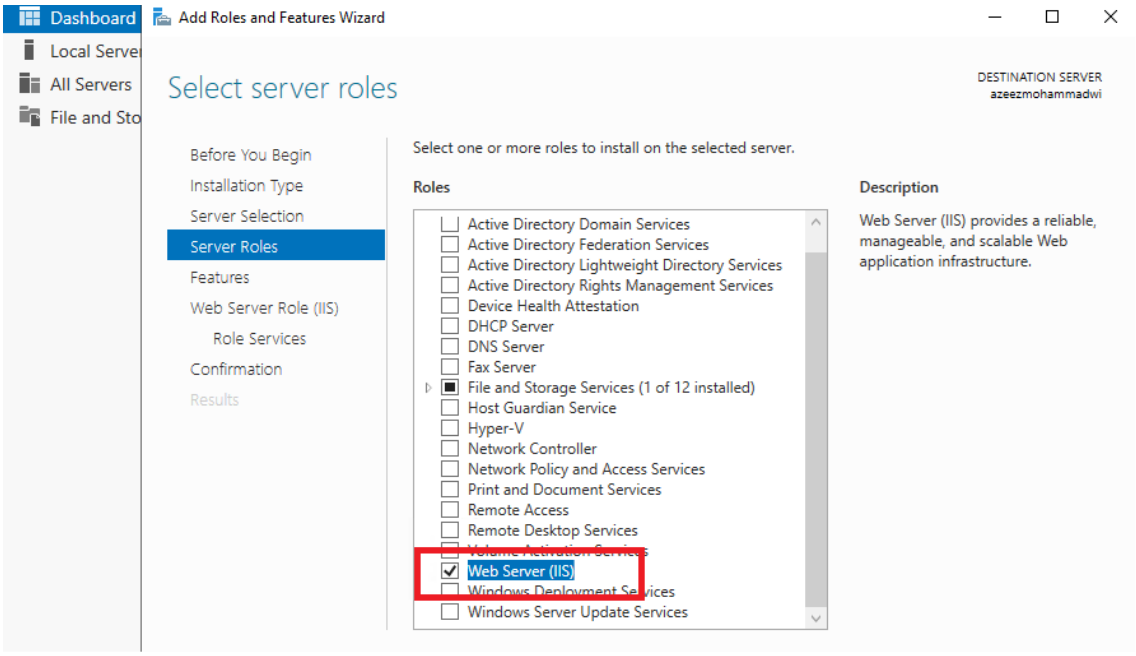


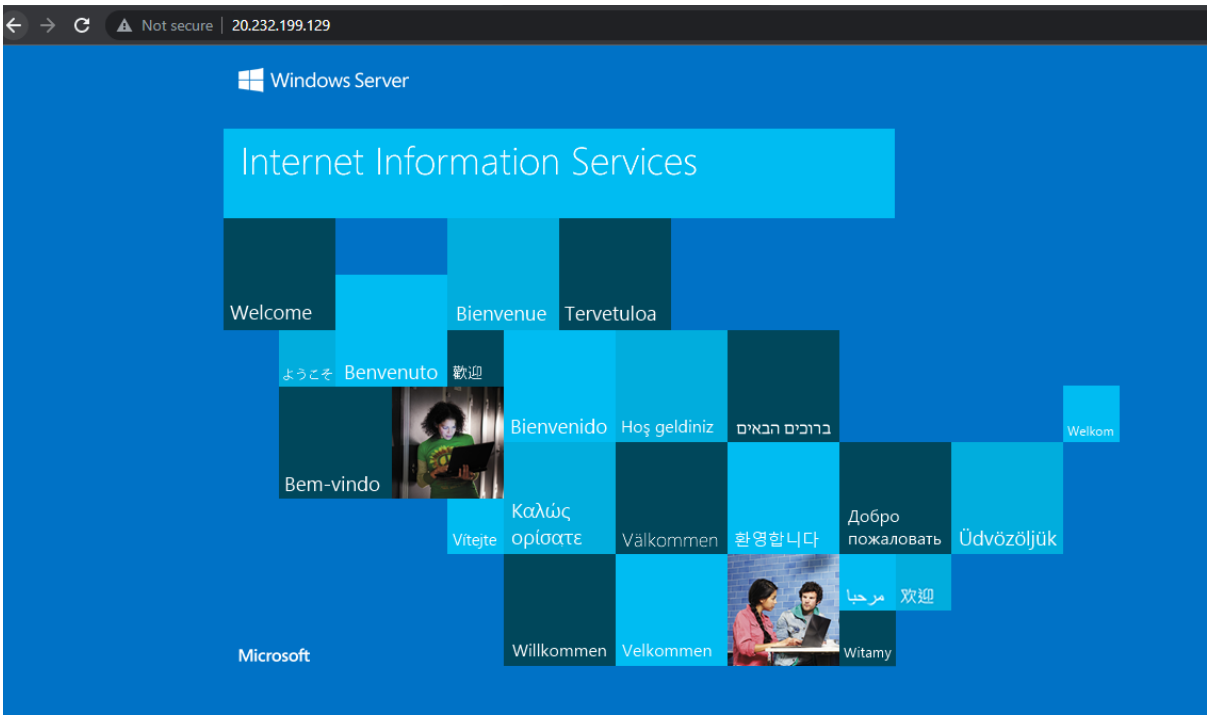
Create a snapshot from existing disk.





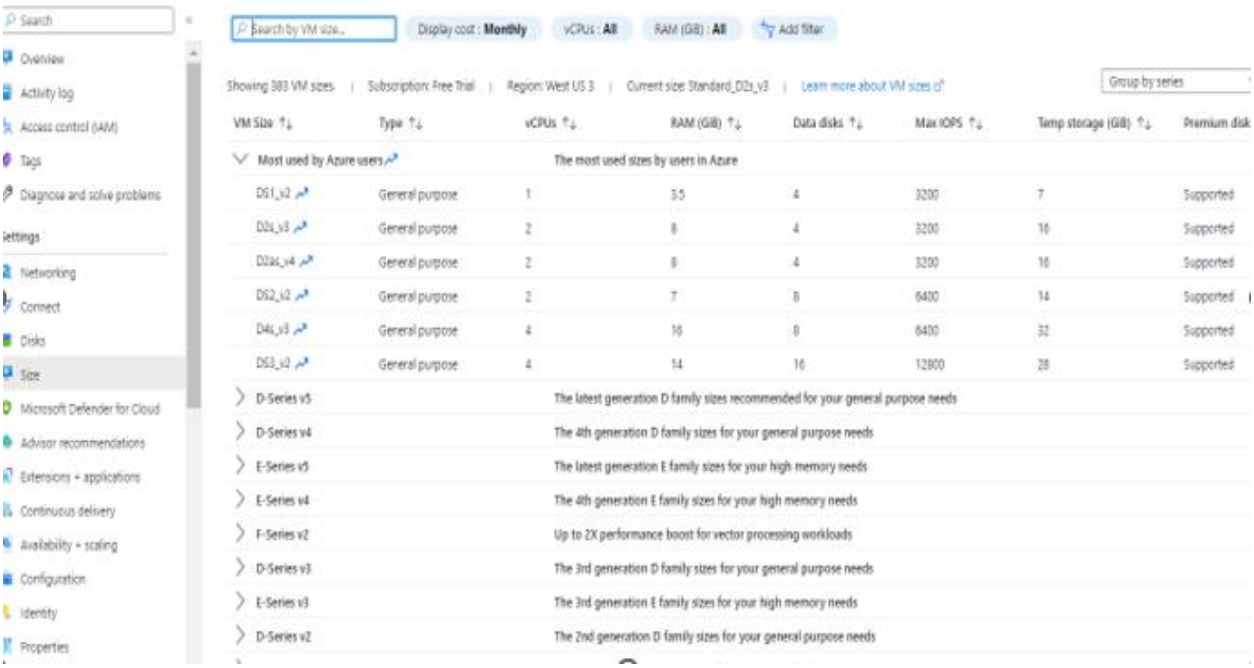
Installing Web Server



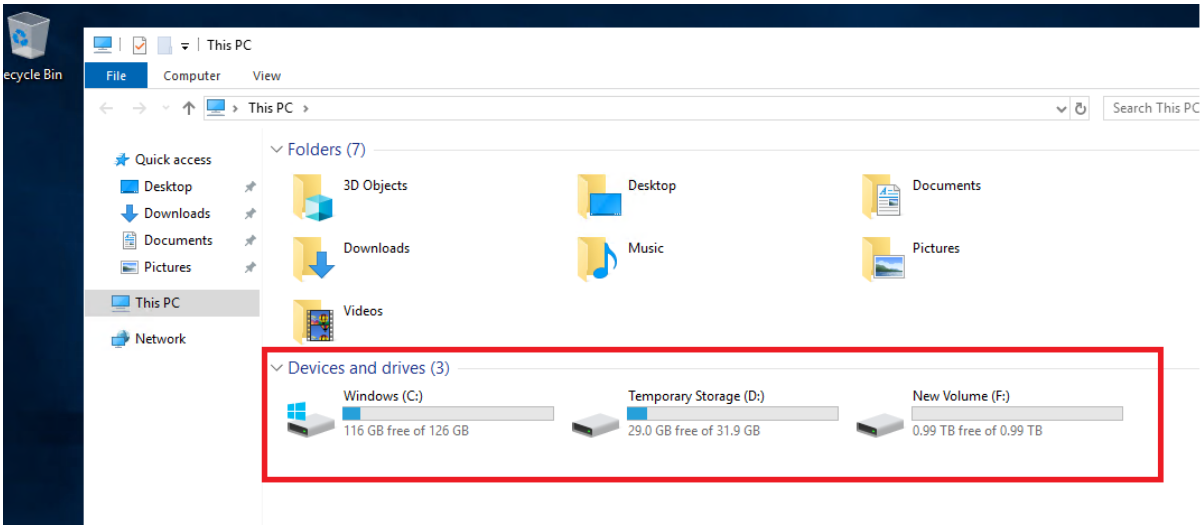


➔ Resizing the Windows Virtual machine.

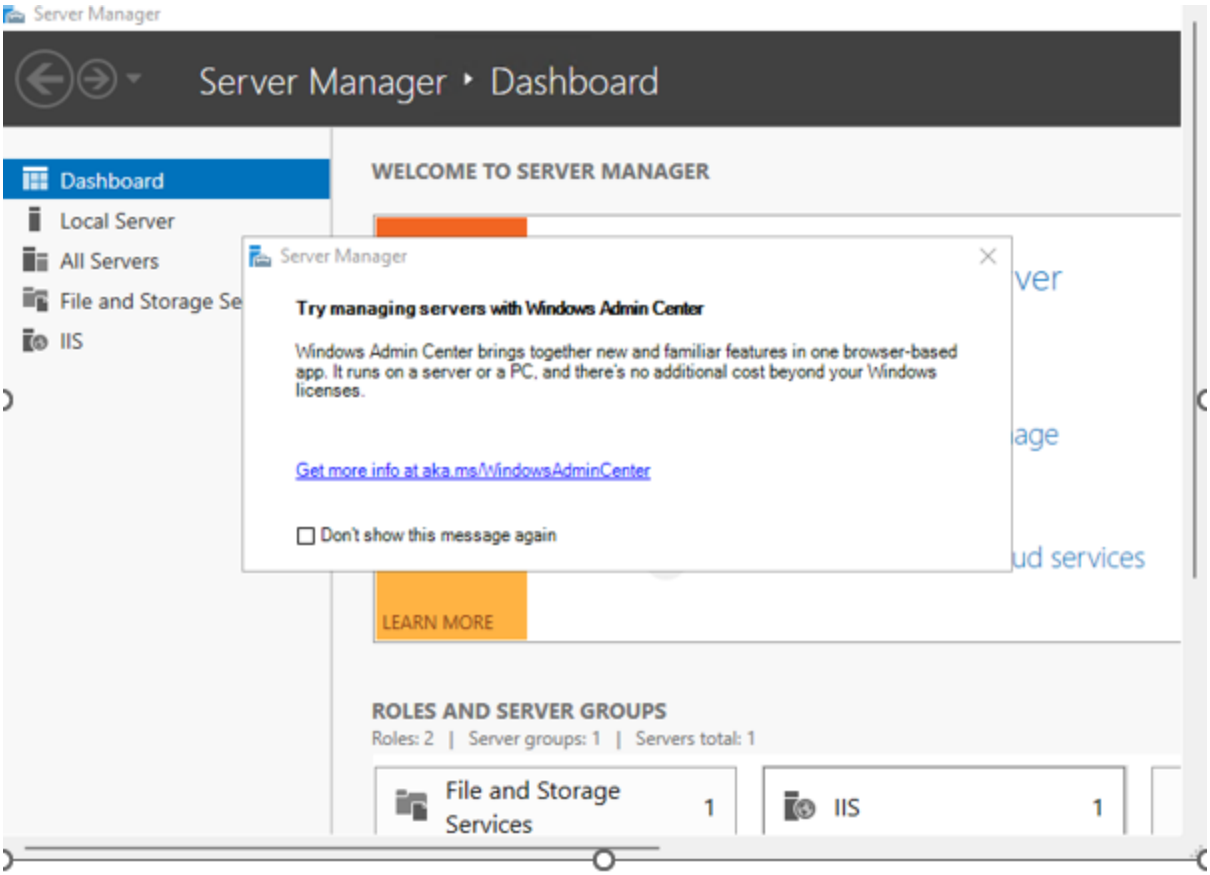
Present Size of the VM



Resize the disk as below:



➔ Create windows virtual machine from disk.


Server Manager
Server Manager ▸ Dashboard
Dashboard
Local Server
All Servers
File and Storage Se
IIS
WELCOME TO SERVER MANAGER
Server Manager
Try managing servers with Windows Admin Center
Windows Admin Center brings together new and familiar features in one browser-based app. It runs on a server or a PC, and there's no additional cost beyond your Windows licenses.
Get more info at aka.ms/WindowsAdminCenter
Don't show this message again
ver
age
ud services
LEARN MORE
ROLES AND SERVER GROUPS
Roles: 2 | Server groups: 1 | Servers total: 1
File and Storage Services 1
IIS 1