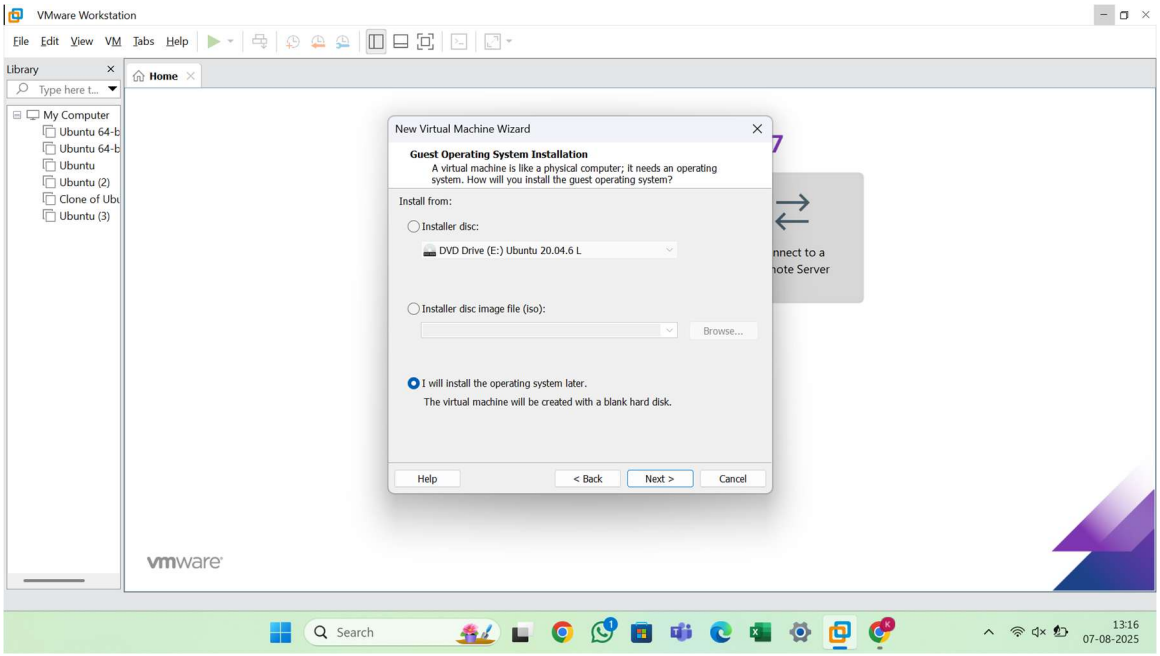
EXPERIMENT – 13

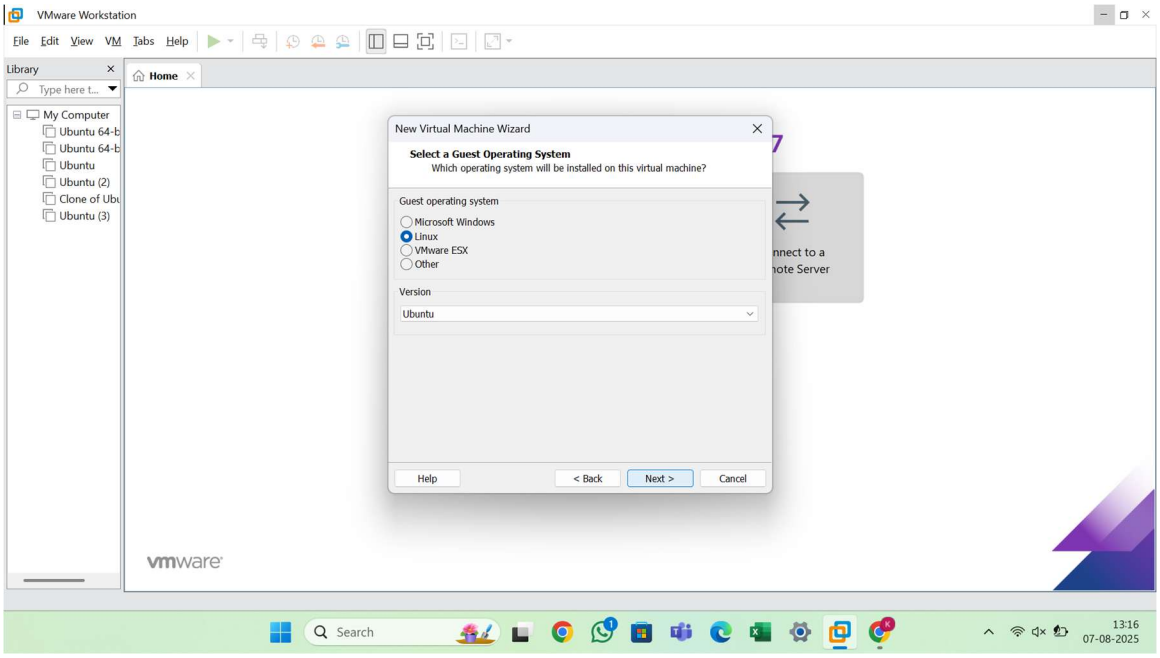
Aim

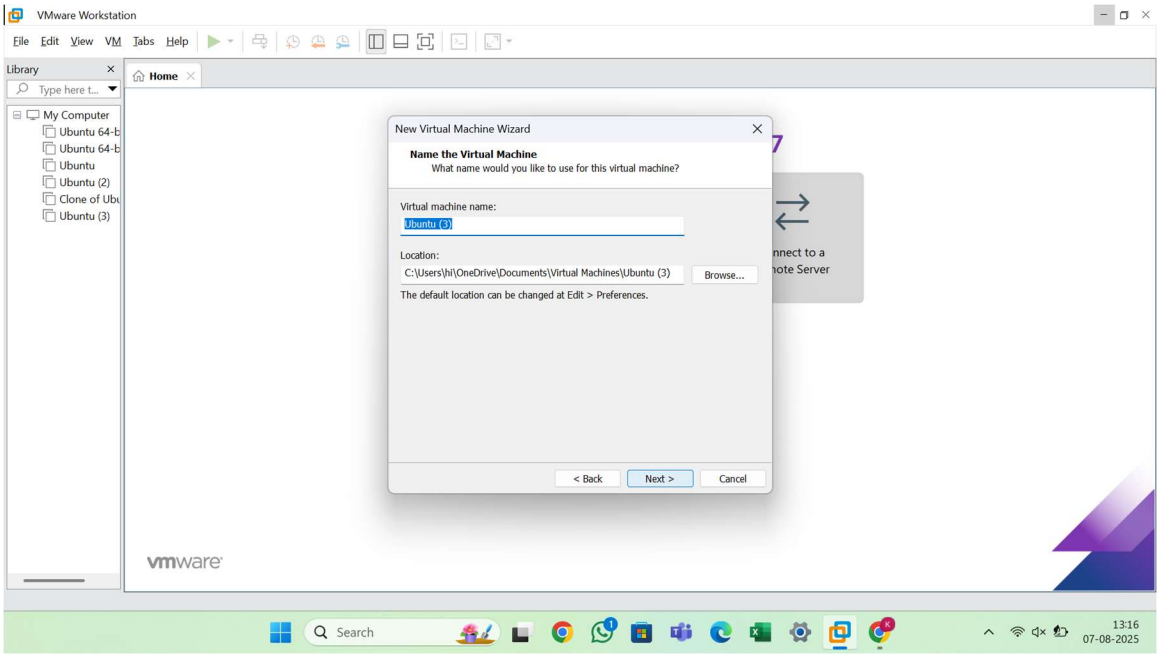
To create a Virtual Machine with 1 CPU, 2GB RAM, and 15GB storage using a Type-2 virtualization software (VMware Workstation).

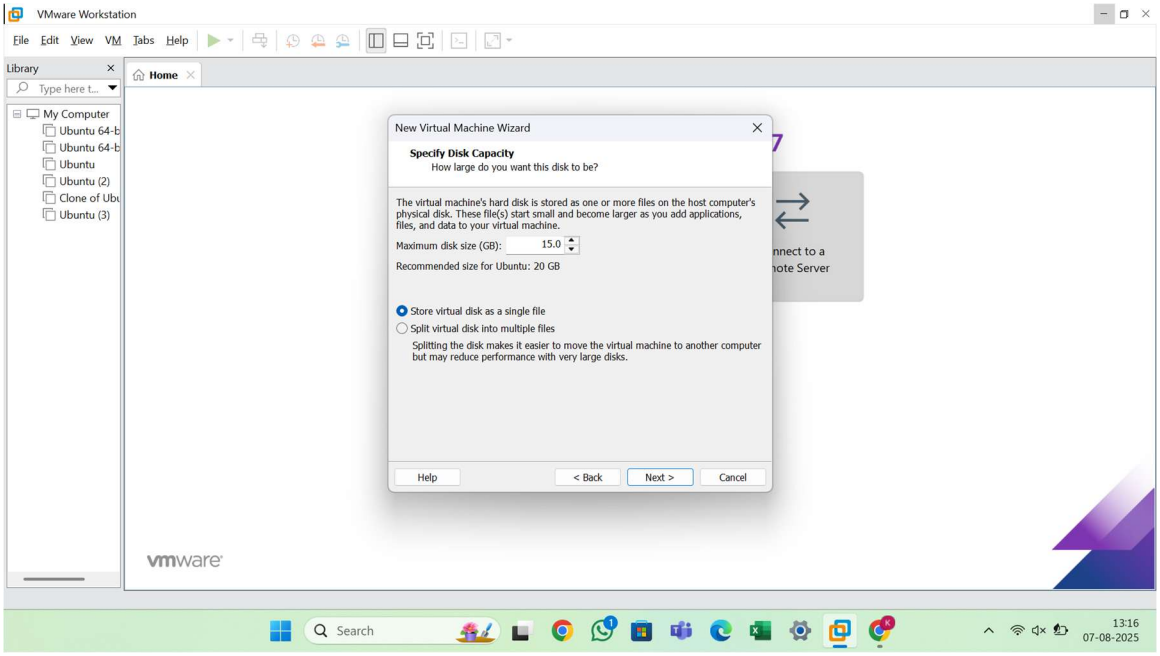
Procedure

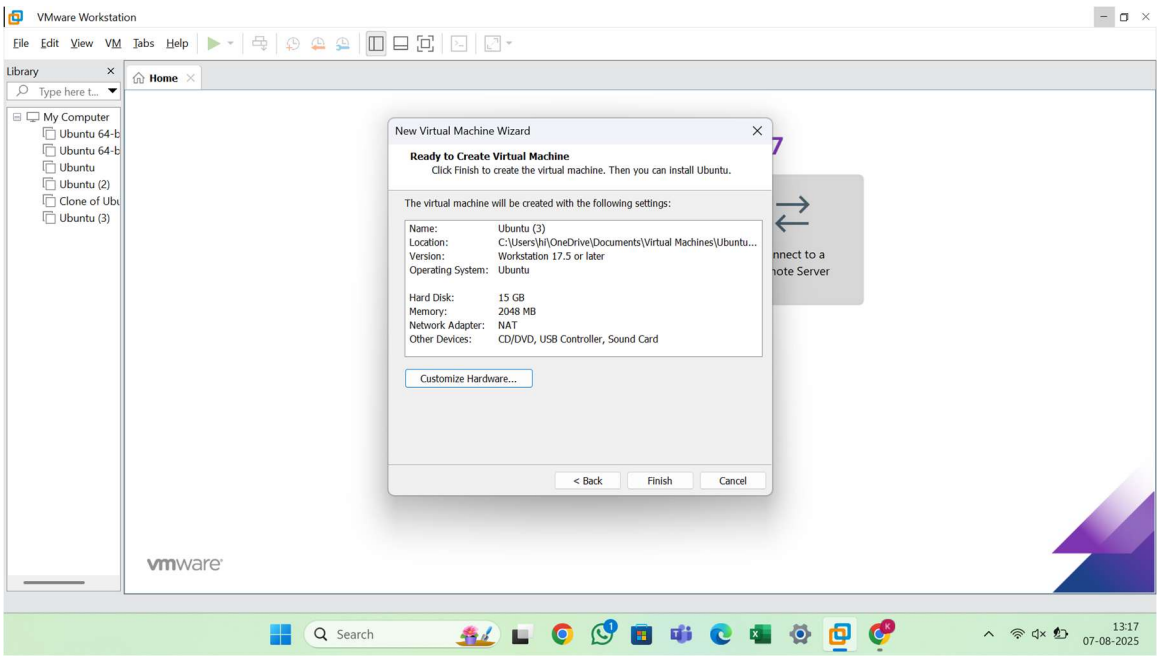
1. Launch VMware Workstation Player or Pro on your host operating system.
2. Click on 'Create a New Virtual Machine'.
3. Select 'Installer disc image file (iso)' and browse to select your guest OS ISO file (e.g., Ubuntu or Windows).
4. Choose the guest operating system type and version (e.g., Linux > Ubuntu 64-bit).
5. Provide a name for the virtual machine and select the storage location.
6. Set the disk size to 15 GB and choose 'Store virtual disk as a single file'.
7. Click on 'Customize Hardware' and adjust the settings:
   - Memory: 2048 MB (2 GB)
   - Processors: 1 core
   - Ensure the network adapter is set to NAT or Bridged.
8. Click 'Close' to save the hardware configuration, then click 'Finish' to create the virtual machine.
9. Start the virtual machine and proceed with the installation of the selected operating system.

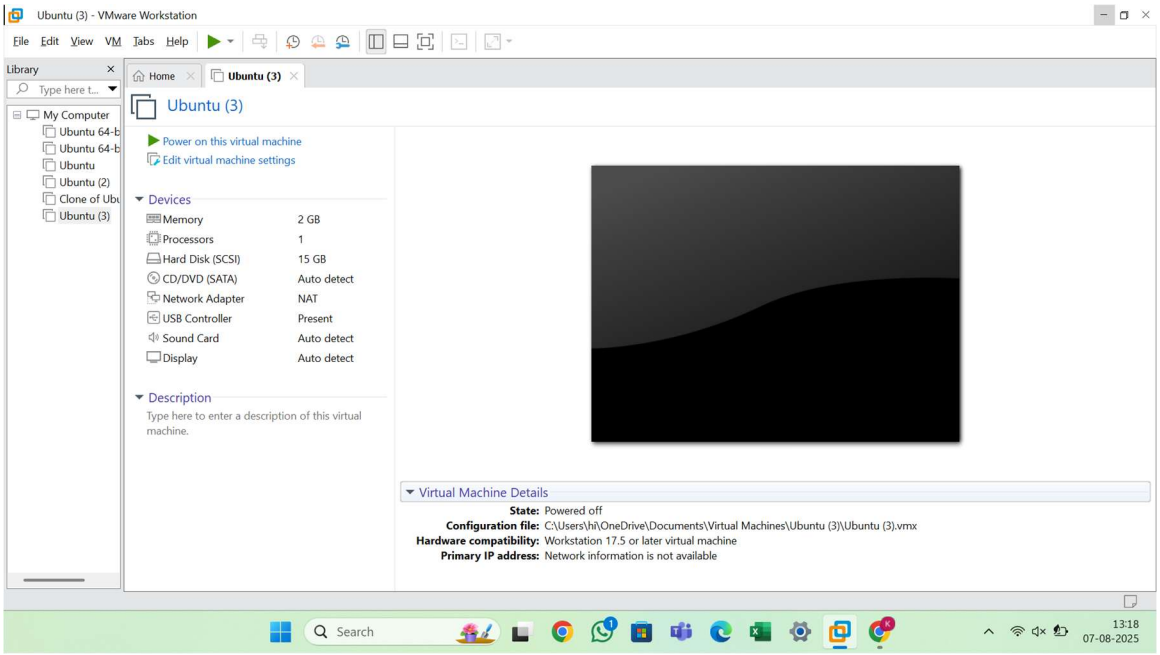

VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Ubuntu 64-b
Ubuntu
Ubuntu (2)
Clone of Ubu
Ubuntu (3)
Home
New Virtual Machine Wizard
Guest Operating System Installation
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?
Install from:
Installer disc:
DVD Drive (E:) Ubuntu 20.04.6 L
Installer disc image file (iso):
Browse...
I will install the operating system later.
The virtual machine will be created with a blank hard disk.
Help
< Back
Next >
Cancel
vmware
Search
13:16
07-08-2025


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Ubuntu 64-b
Ubuntu
Ubuntu (2)
Clone of Ubu
Ubuntu (3)
Home
New Virtual Machine Wizard
Select a Guest Operating System
Which operating system will be installed on this virtual machine?
Guest operating system
Microsoft Windows
Linux
VMware ESX
Other
Version
Ubuntu
Help
< Back
Next >
Cancel
vmware
Search
13:16
07-08-2025


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Ubuntu 64-b
Ubuntu
Ubuntu (2)
Clone of Ubu
Ubuntu (3)
Home
New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
Ubuntu (3)
Location:
C:\Users\hi\OneDrive\Documents\Virtual Machines\Ubuntu (3)
Browse...
The default location can be changed at Edit > Preferences.
< Back
Next >
Cancel
vmware
Search
13:16
07-08-2025


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Ubuntu 64-b
Ubuntu
Ubuntu (2)
Clone of Ubu
Ubuntu (3)
Home
New Virtual Machine Wizard
Specify Disk Capacity
How large do you want this disk to be?
The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.
Maximum disk size (GB):
15.0
Recommended size for Ubuntu: 20 GB
Store virtual disk as a single file
Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.
Help
< Back
Next >
Cancel
vmware
Search
13:16
07-08-2025





Result

A virtual machine was successfully created using VMware Workstation. The VM is configured with 1 CPU, 2GB RAM, and a 15GB virtual hard disk. The guest operating system was installed and is operational.

VM Hardware Configuration

- CPU: 1 Core
- RAM: 2 GB (2048 MB)
- Storage: 15 GB Virtual Disk
- Network Adapter: NAT or Bridged
- Guest OS: (User-selected ISO, e.g., Ubuntu 22.04 LTS or Windows 10)