EXPERIMENT – 7

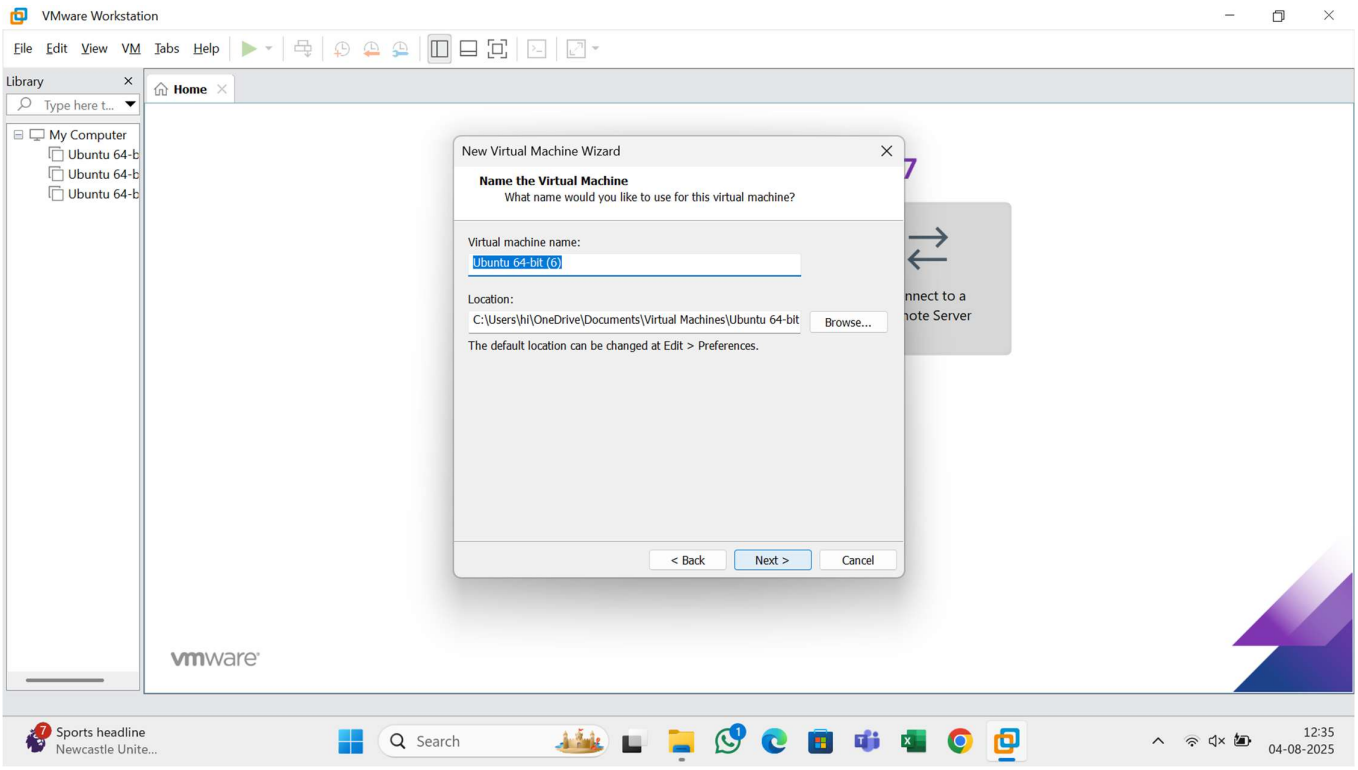
AIM:

To create a Virtual Machine using Type-2 Virtualization Software (Oracle VirtualBox) with the following specifications:

- 1 CPU
- 2GB RAM
- 15GB Storage Disk.

PROCEDURE:

1. Launch Oracle VM VirtualBox installed on your system.
2. Click on 'New' to begin the process of creating a new virtual machine.
3. Enter the VM Name (e.g., Linux-VM), choose the type (Linux/Windows), and version (e.g., Ubuntu 64-bit). Click Next.
4. Set the memory size to 2048 MB (2 GB). Click Next.
5. Select 'Create a virtual hard disk now'. Click Create.
6. Choose VDI (VirtualBox Disk Image) as the hard disk file type. Click Next.
7. Choose 'Dynamically allocated' for storage. Click Next.
8. Set the storage size to 15.00 GB and click Create.
9. After VM is created, click on 'Settings'.
10. Under 'System > Processor', ensure the CPU is set to 1 core.
11. Under 'Storage', select 'Empty' under Controller: IDE and load the ISO file of the guest OS by clicking the disk icon and choosing the ISO.
12. Click 'Start' to boot the VM and follow the OS installation steps.
13. Complete the installation process, reboot the VM, and unmount the ISO if needed.


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Ubuntu 64-b
Ubuntu 64-b
Home
New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
Ubuntu 64-bit (6)
Location:
C:\Users\hi\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit
Browse...
The default location can be changed at Edit > Preferences.
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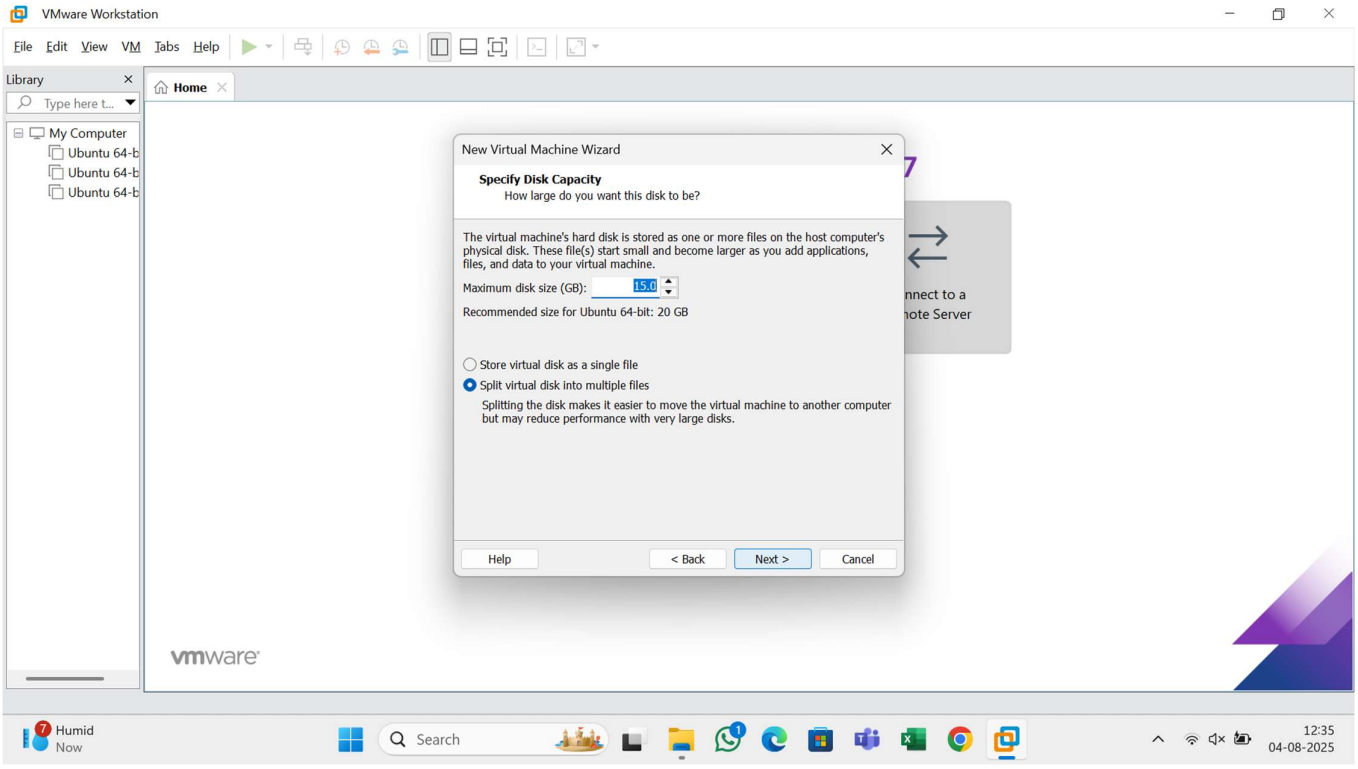
VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Ubuntu 64-b
Ubuntu 64-b
Home
New Virtual Machine Wizard
Specify Disk Capacity
How large do you want this disk to be?
The virtual machine's hard disk is stored as one or more files on the host computer's physical 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 64-bit: 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
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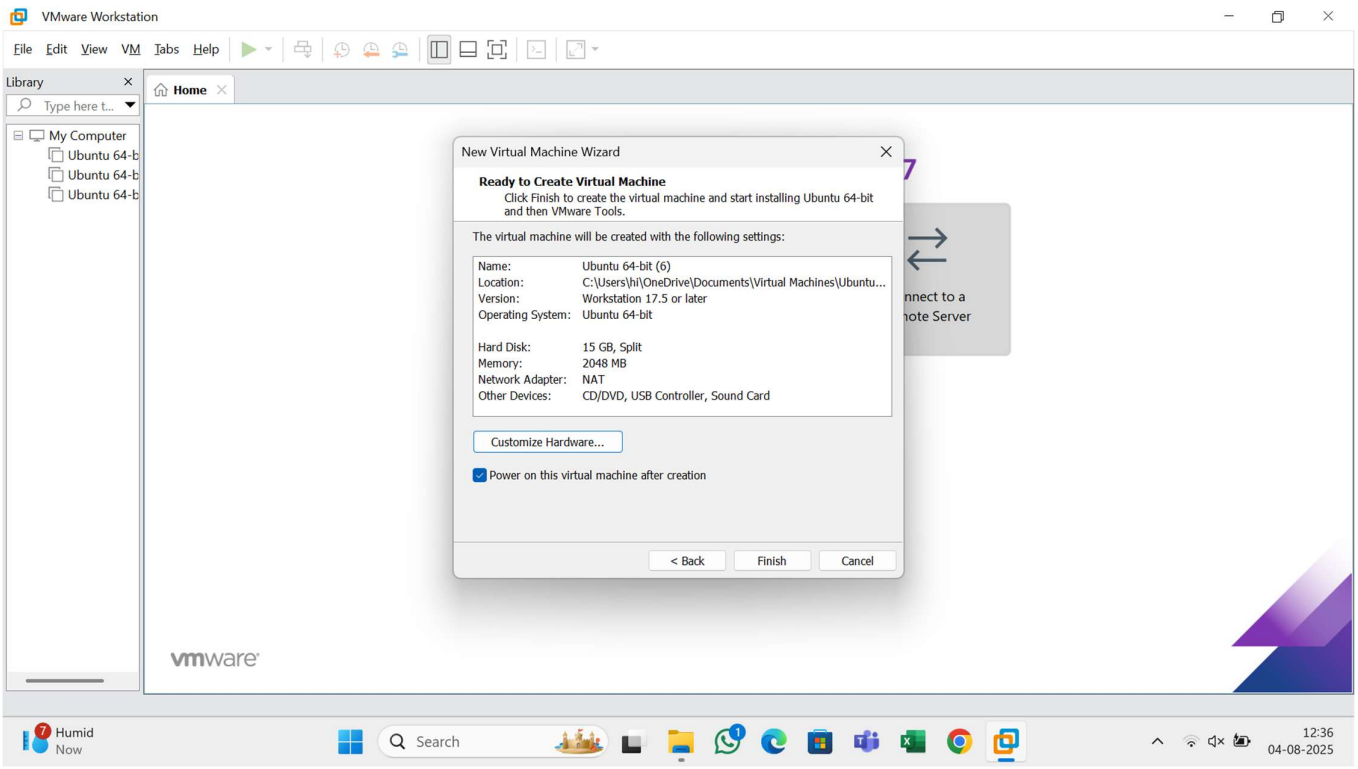

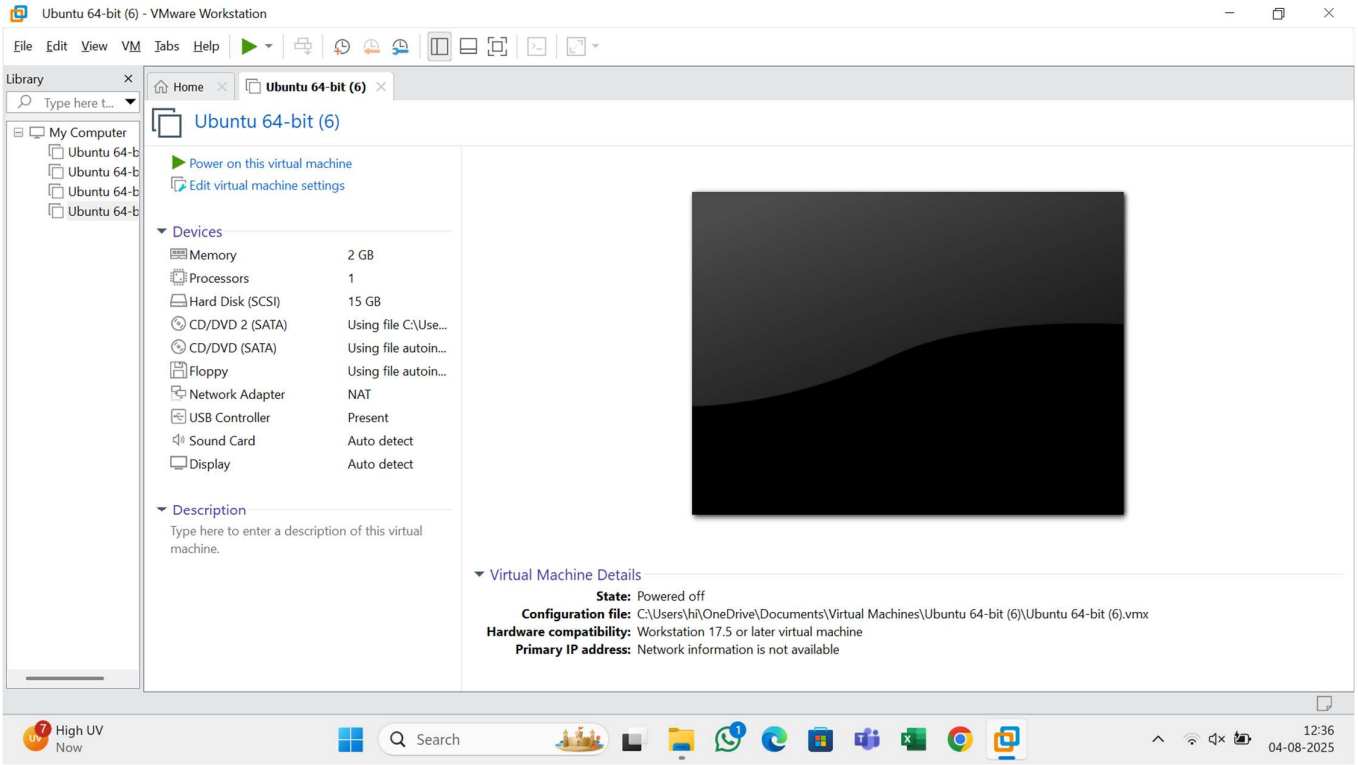

RESULT:

Thus, a virtual machine was successfully created using Oracle VirtualBox with 1 CPU, 2GB RAM, and 15GB of virtual storage, and the guest operating system was installed and verified.