EXPNO 8: CREATE A VIRTUAL MACHINE WITH 1 CPU, 2GB RAM AND 15GB STORAGE DISK USING A TYPE 2 VIRTUALIZATION SOFTWARE.

DATE: 1-10-2025

AIM:

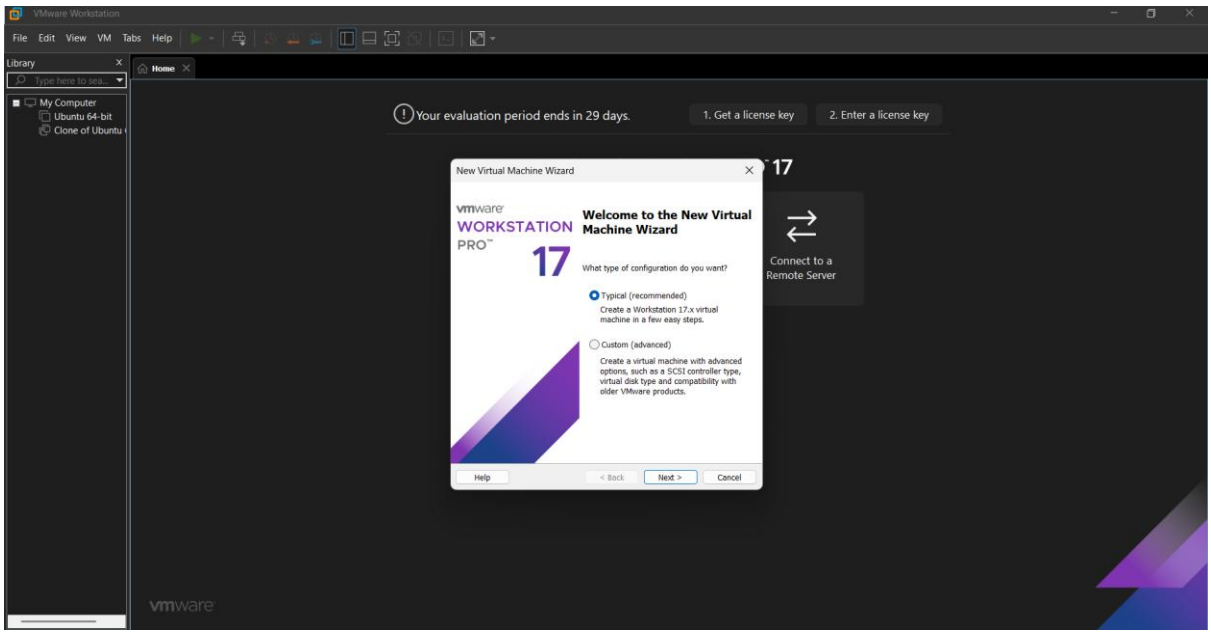
To create a virtual machine with 1 cpu, 2gb ram and 15gb storage disk using a type 2 virtualization software.

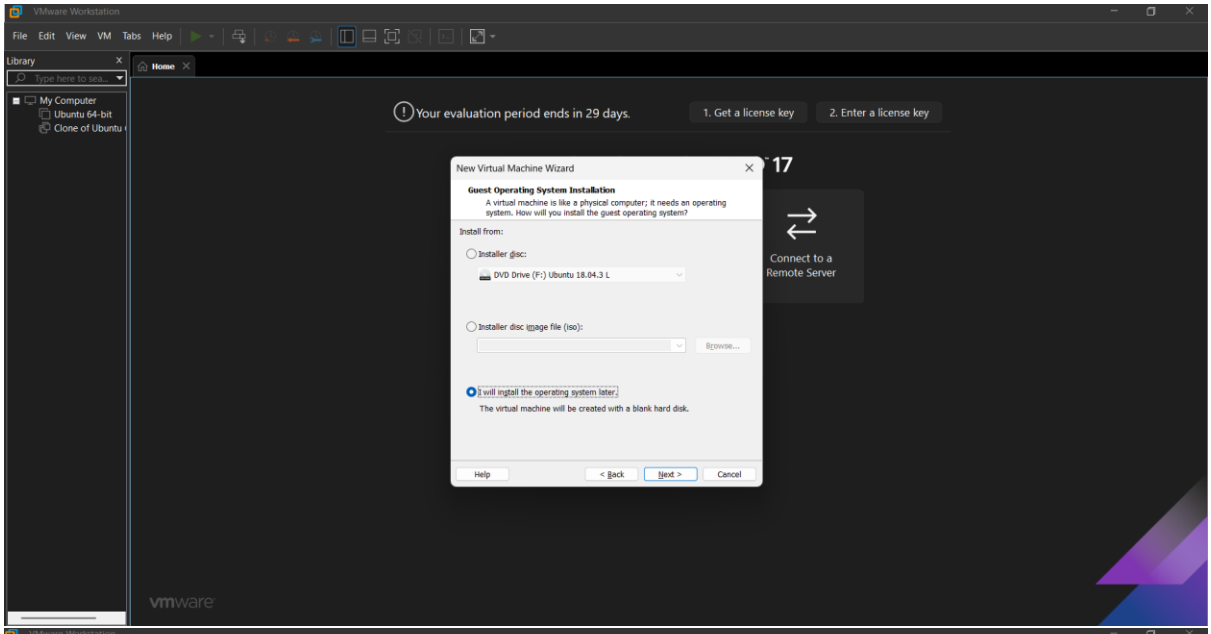
PROCEDURE:

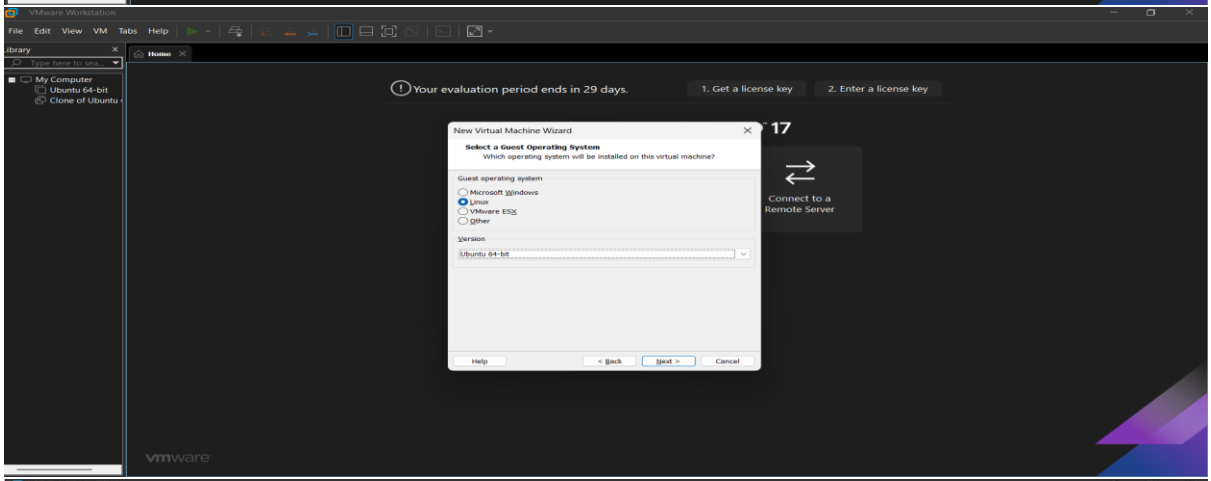
Step 1: Download and install VMware Workstation (a type-2 hypervisor) on the host operating system.
Step 2: Download an operating system ISO file such as Ubuntu or Tiny OS.
Step 3: Open VMware Workstation → Select Create a New Virtual Machine.
Step 4: Configure the VM with the following specifications:

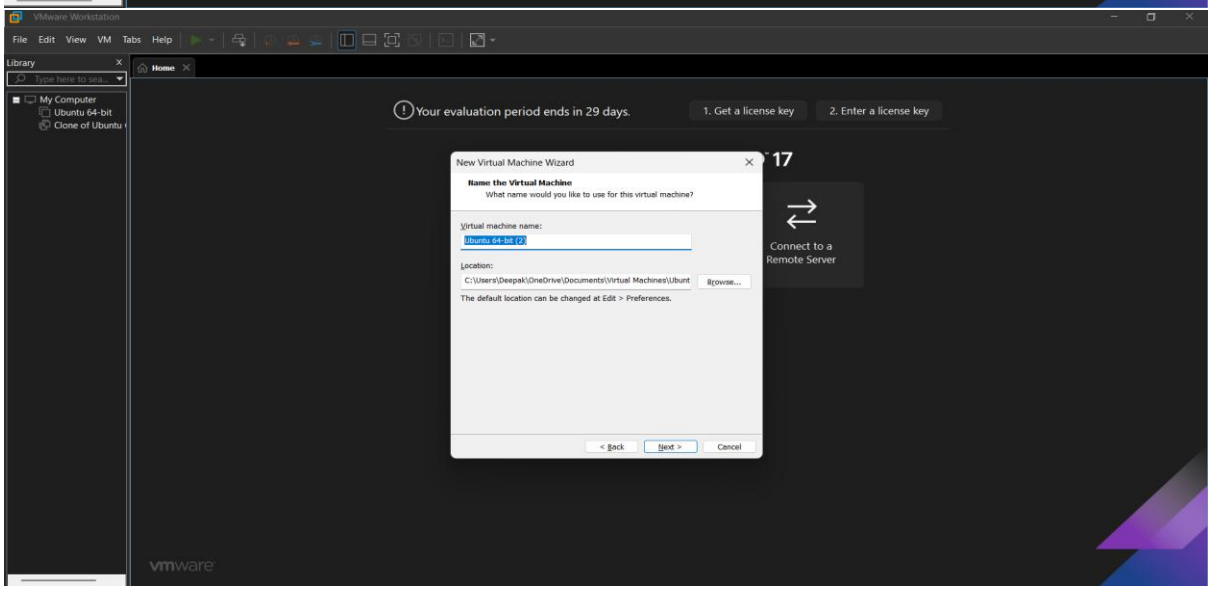
- Processor (CPU): 1 core
- Memory (RAM): 2 GB
- Hard Disk: 15 GB (virtual storage)
- ISO Image: Select the downloaded Ubuntu/Tiny OS ISO.
  Step 5: Complete the virtual machine setup and create the VM.
  Step 6: Launch the VM and install the operating system inside the virtual machine.

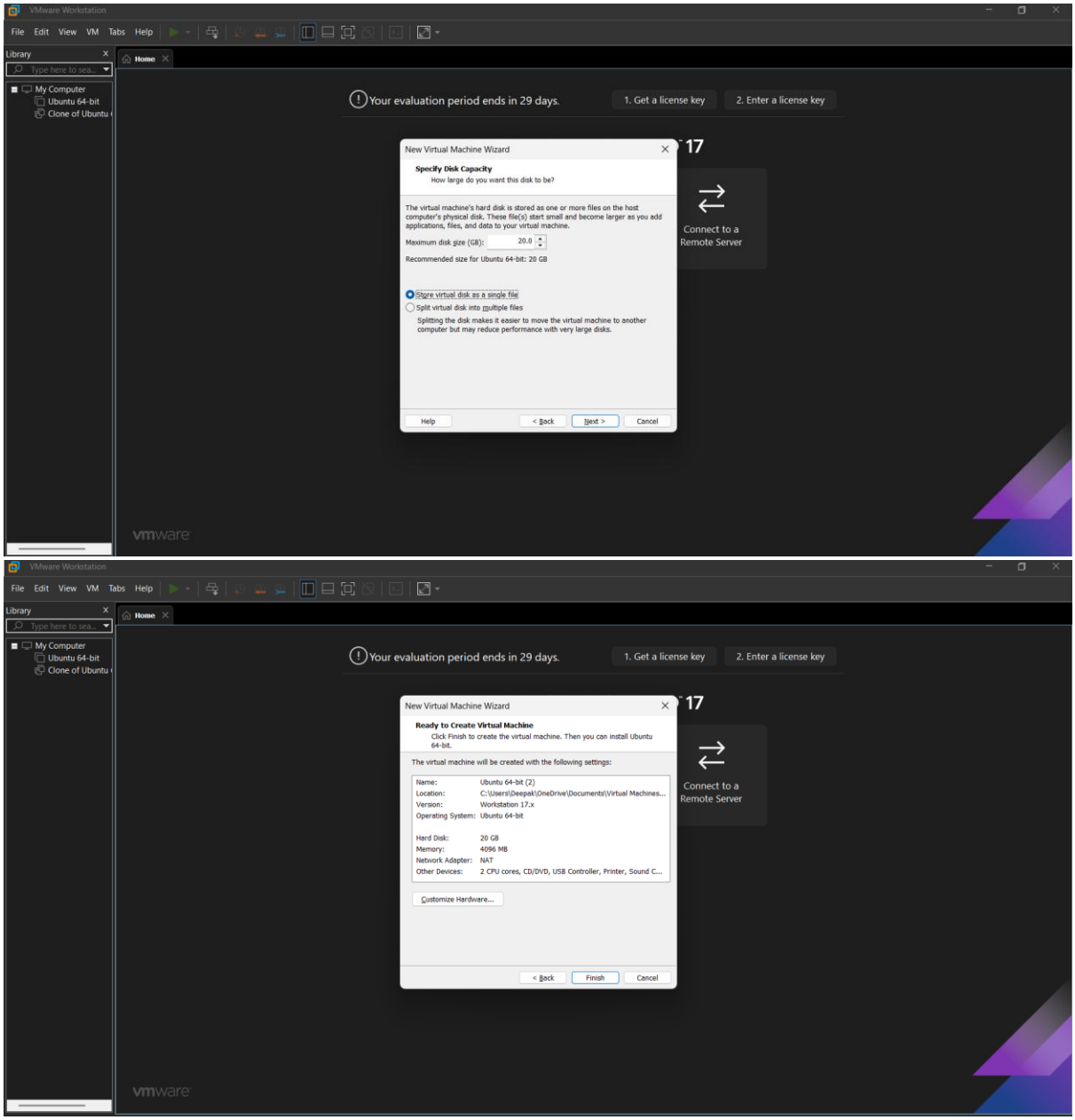
IMPLEMENTATION:




VMware Workstation
File Edit View VM Tabs Help
Library
Type here to sea...
My Computer
Ubuntu 64-bit
Clone of Ubuntu
Home
Your evaluation period ends in 29 days.
1. Get a license key
2. Enter a license key
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 (F:) Ubuntu 18.04.3 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
17
Connect to a Remote Server
vmware


VMware Workstation
File Edit View VM Tabs Help
Library
Type here to sea...
My Computer
Ubuntu 64-bit
Clone of Ubuntu
Home
Your evaluation period ends in 29 days.
1. Get a license key
2. Enter a license key
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 64-bit
Help
< Back
Next >
Cancel
17
Connect to a Remote Server
vmware


VMware Workstation
File Edit View VM Tabs Help
Library
Type here to sea...
My Computer
Ubuntu 64-bit
Clone of Ubuntu
Home
Your evaluation period ends in 29 days.
1. Get a license key
2. Enter a license key
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 (2)
Location:
C:\Users\Deepak\OneDrive\Documents\Virtual Machines\Ubunt
Browse...
The default location can be changed at Edit > Preferences.
< Back
Next >
Cancel
17
Connect to a Remote Server
vmware



RESULT :

A virtual machine with 1 CPU, 2 GB RAM, and 15 GB storage disk was successfully created using VMware Workstation (Type-2 Hypervisor). The selected operating system was installed and executed properly, thereby demonstrating the concept of Type-2 virtualization.