EXPNO 8:

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

AIM

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

REQUIREMENTS

Hardware Requirements

- Processor: Intel / AMD Processor with virtualization support
- RAM: Minimum 4 GB
- Hard Disk: Minimum 50 GB free space
- System Type: 64-bit system

Software Requirements

- Host Operating System: Windows / Linux
- Type-2 Hypervisor: VMware Workstation
- Guest Operating System: Ubuntu / Tiny OS ISO image

PROCEDURE

STEP 1: Download and install **VMware Workstation** on the host system.

STEP 2: Download **Ubuntu or Tiny OS ISO** image file.

STEP 3: Open VMware Workstation and click **Create a New Virtual Machine**.

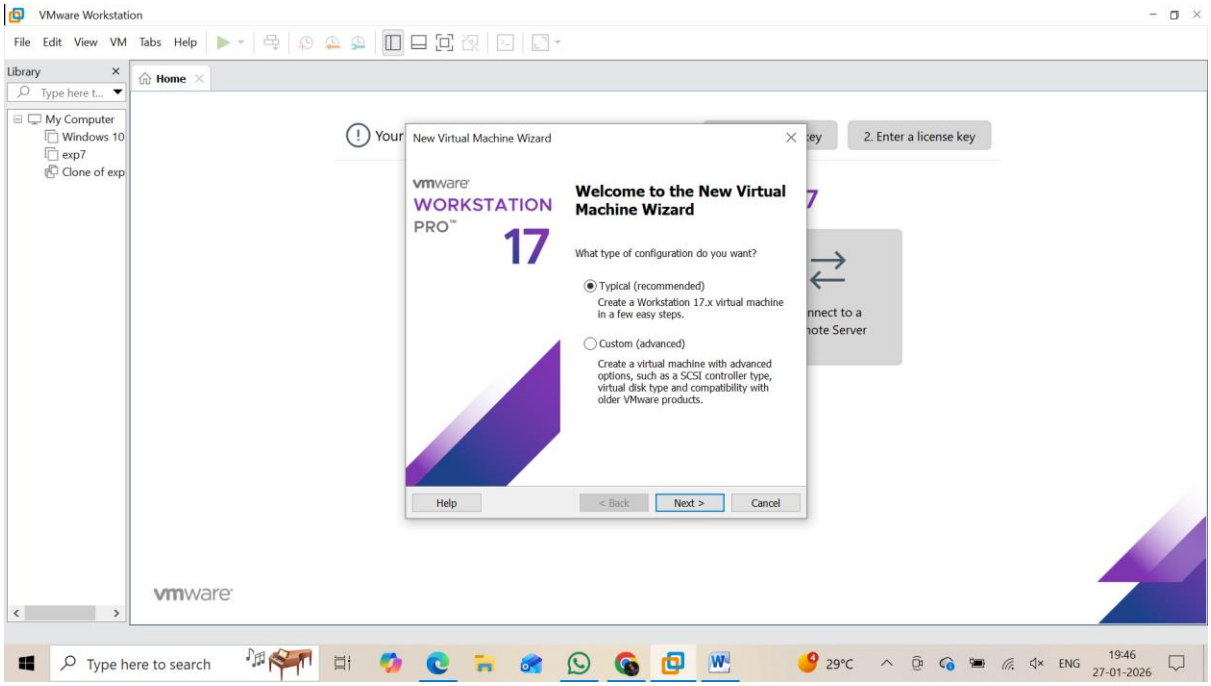
STEP 4: Select **Installer disc image file (ISO)** and browse the OS ISO file.

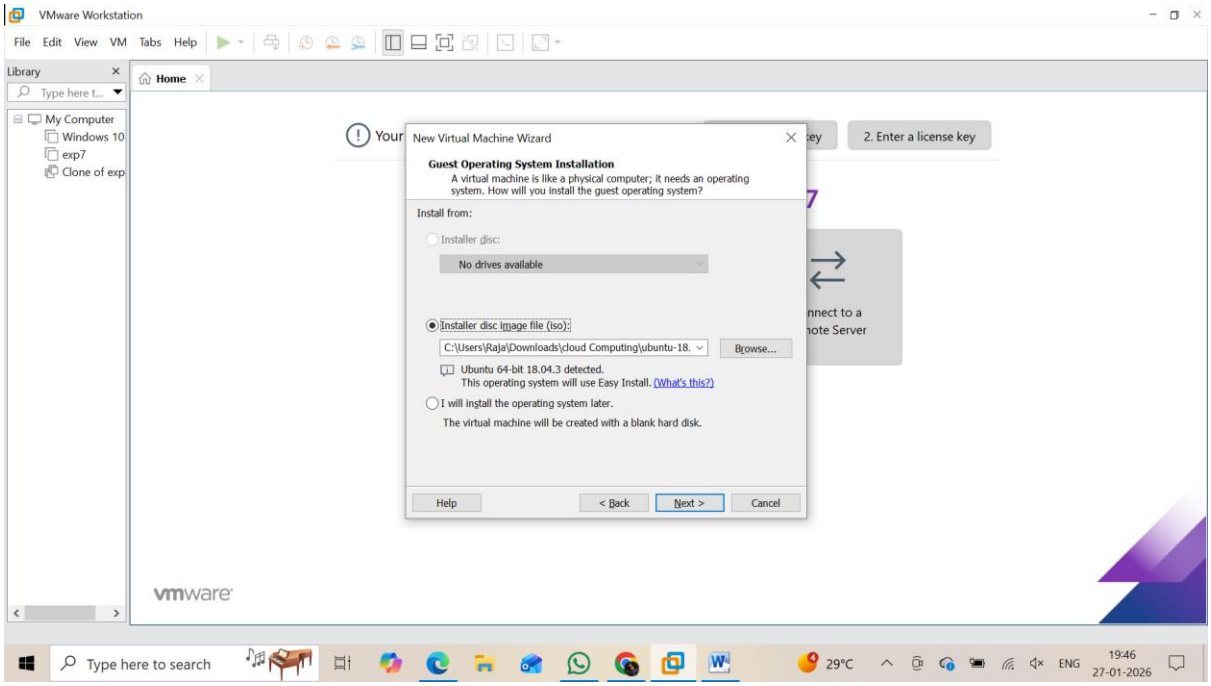
STEP 5: Configure virtual hardware settings as follows:

- CPU: **1 Processor**
- RAM: **2 GB**
- Storage Disk: **15 GB**

STEP 6: Complete the VM creation process and power on the virtual machine.

Output :


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Windows 10
exp7
Clone of exp
Home
New Virtual Machine Wizard
vmware
WORKSTATION
PRO™
17
Welcome to the New Virtual Machine Wizard
What type of configuration do you want?
Typical (recommended)
Create a Workstation 17.x virtual machine in a few easy steps.
Custom (advanced)
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.
Help
< Back
Next >
Cancel
2. Enter a license key
vmware
Type here to search
29°C
ENG
19:46
27-01-2026


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Windows 10
exp7
Clone of exp
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:
No drives available
Installer disc image file (iso):
C:\Users\Raja\Downloads\cloud Computing\ubuntu-18.
Browse...
Ubuntu 64-bit 18.04.3 detected.
This operating system will use Easy Install. (What's this?)
I will install the operating system later.
The virtual machine will be created with a blank hard disk.
Help
< Back
Next >
Cancel
2. Enter a license key
vmware
Type here to search
29°C
ENG
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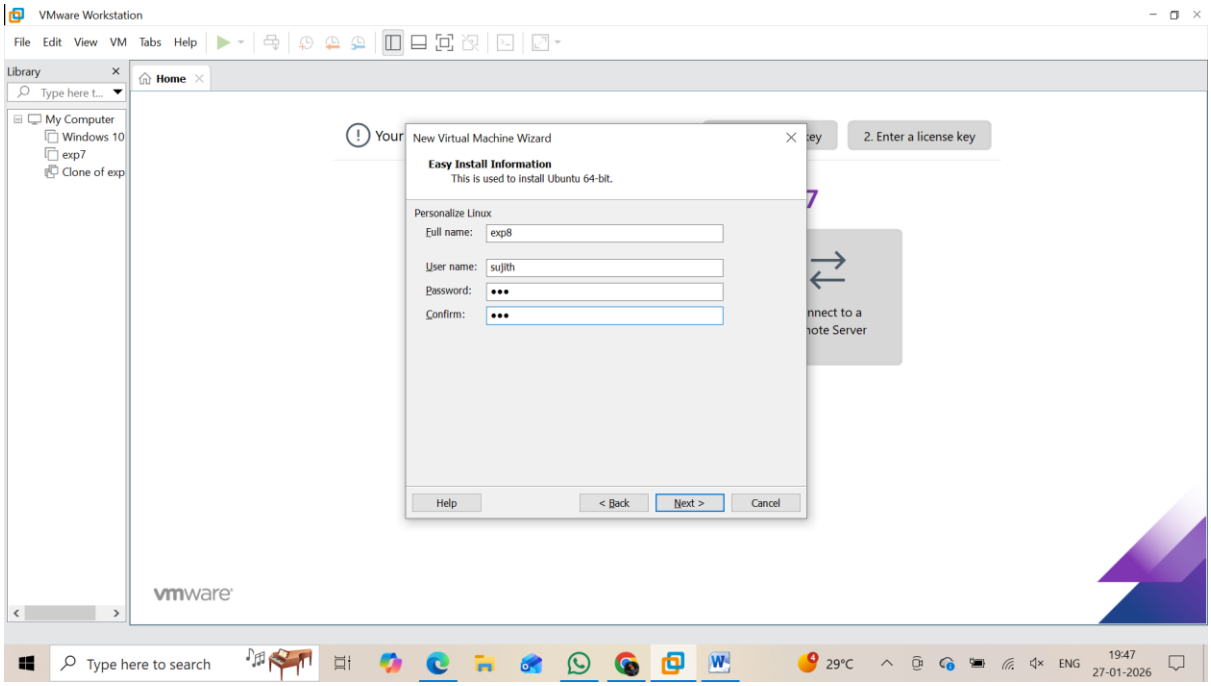
27-01-2026


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Windows 10
exp7
Clone of exp
Home
New Virtual Machine Wizard
Easy Install Information
This is used to install Ubuntu 64-bit.
Personalize Linux
Full name: exp8
User name: sujith
Password: •••
Confirm: •••
Help
< Back
Next >
Cancel
2. Enter a license key
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Type here to search
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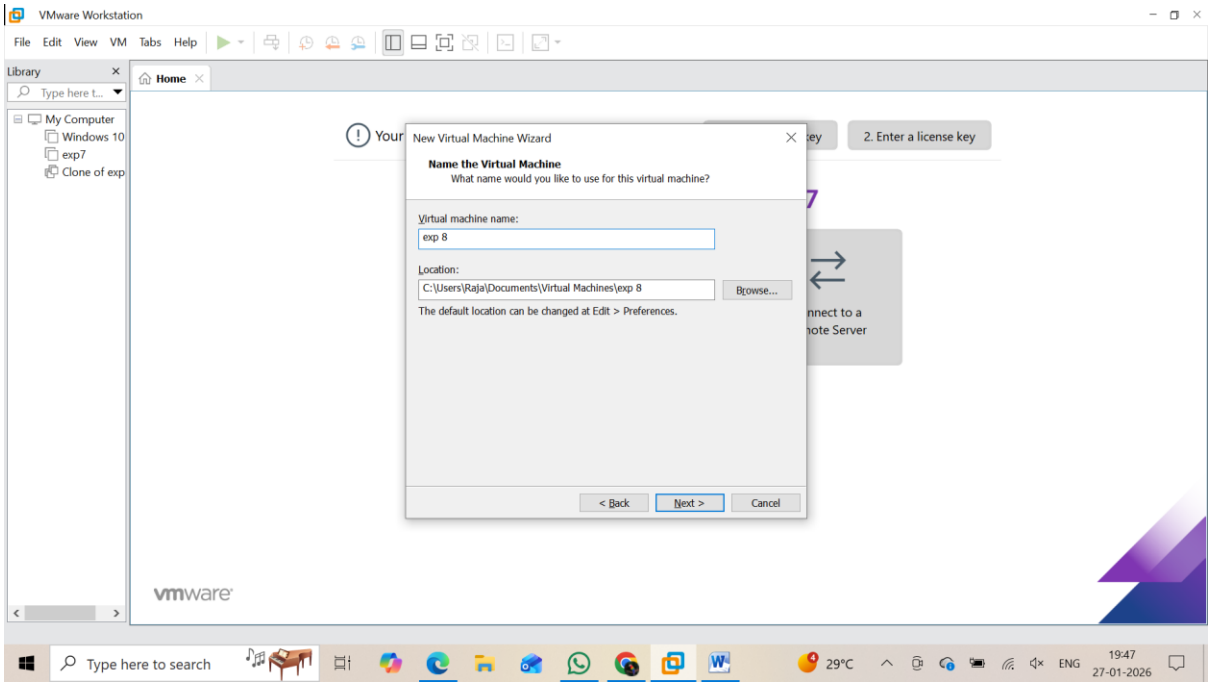
ENG
19:47
27-01-2026


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Windows 10
exp7
Clone of exp
Home
New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
exp 8
Location:
C:\Users\Raja\Documents\Virtual Machines\exp 8
Browse...
The default location can be changed at Edit > Preferences.
< Back
Next >
Cancel
2. Enter a license key
vmware
Type here to search
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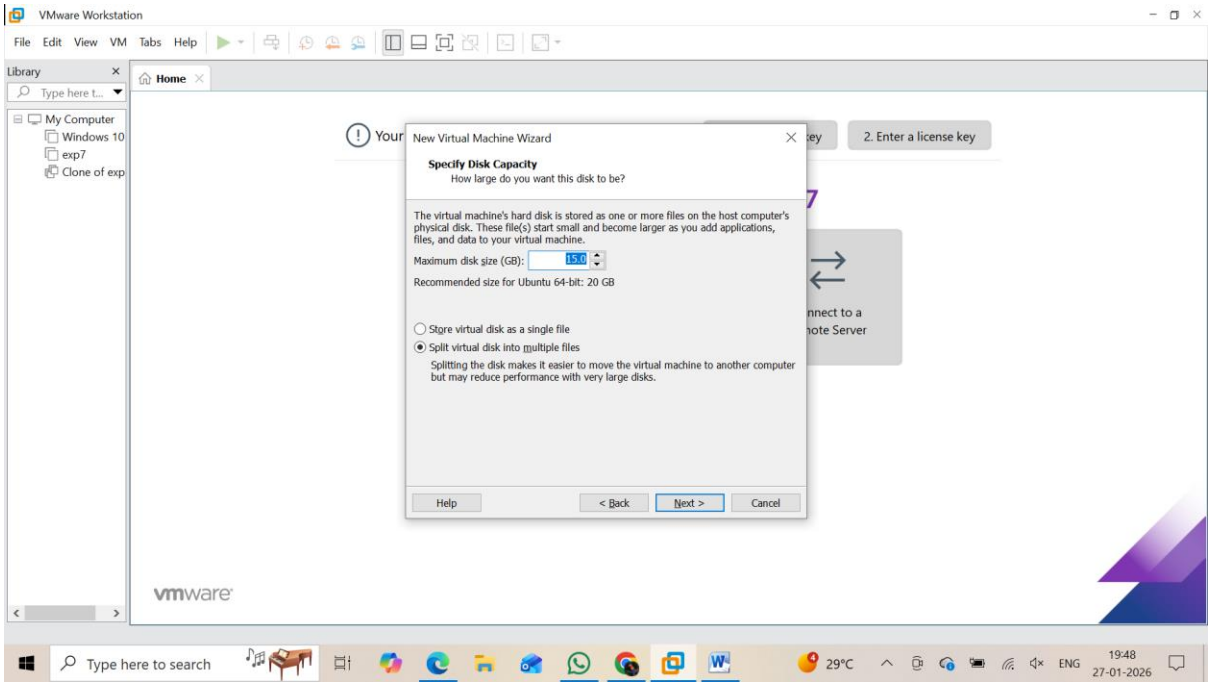
19:47
27-01-2026


VMware Workstation
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Library
Type here t...
My Computer
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exp7
Clone of exp
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
< Back
Next >
Cancel
2. Enter a license key
vmware
Type here to search
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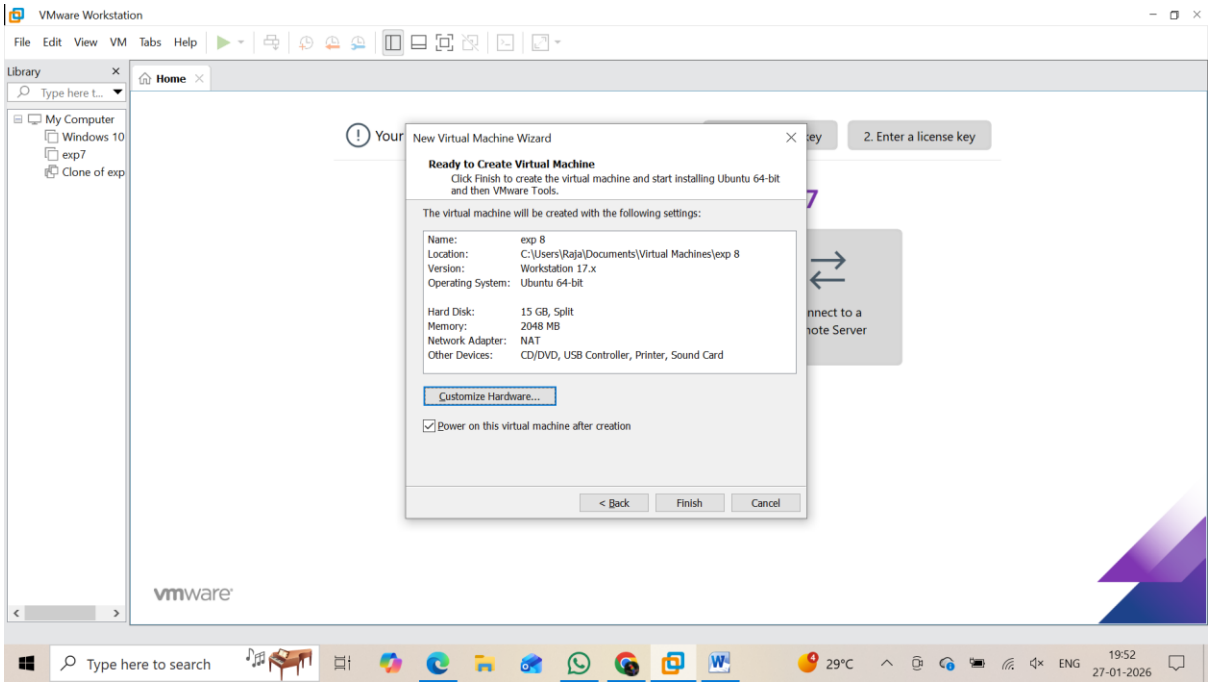
27-01-2026


VMware Workstation
File Edit View VM Tabs Help
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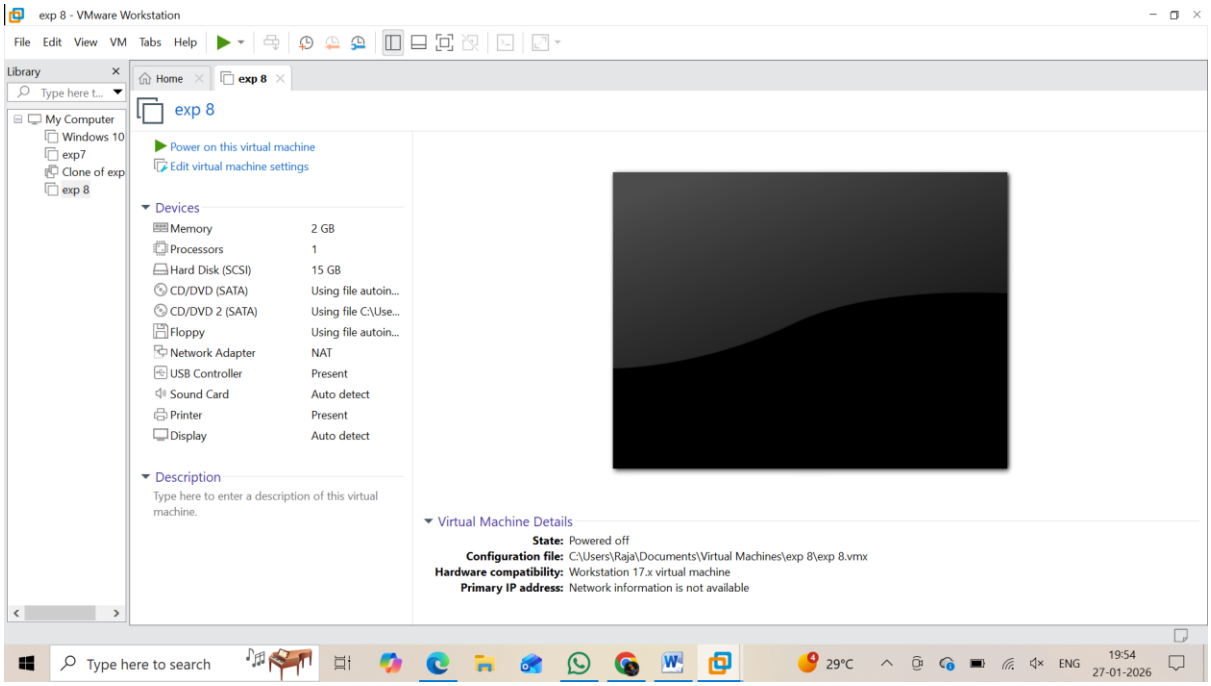
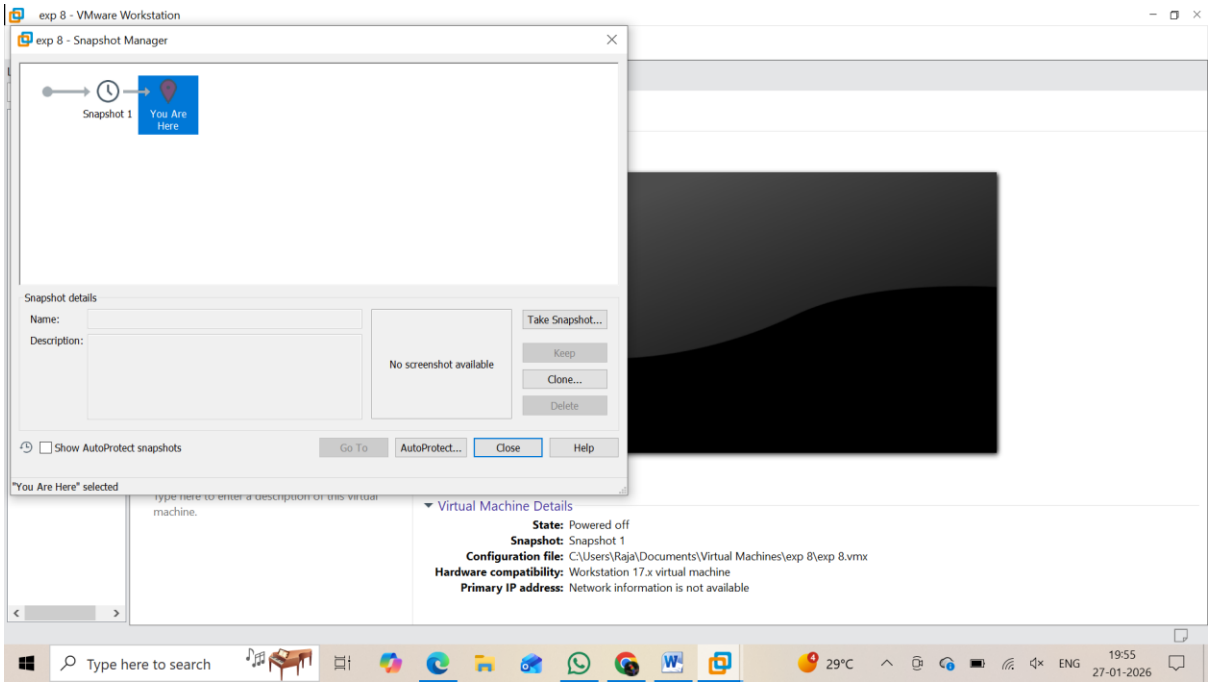
Type here t...
My Computer
Windows 10
exp7
Clone of exp
Home
New Virtual Machine Wizard
Ready to Create Virtual Machine
Click Finish to create the virtual machine and start installing Ubuntu 64-bit and then VMware Tools.
The virtual machine will be created with the following settings:
Name: exp 8
Location: C:\Users\Raja\Documents\Virtual Machines\exp 8
Version: Workstation 17.x
Operating System: Ubuntu 64-bit
Hard Disk: 15 GB, Split
Memory: 2048 MB
Network Adapter: NAT
Other Devices: CD/DVD, USB Controller, Printer, Sound Card
Customize Hardware...
Power on this virtual machine after creation
< Back
Finish
Cancel
2. Enter a license key
vmware
Type here to search
29°C
ENG
19:52
27-01-2026





RESULT

Thus, a virtual machine with **1 CPU, 2GB RAM, and 15GB storage disk** was successfully created using a **Type-2 Virtualization Software (VMware Workstation)**.