EXP NO 15:create a snapshot of a virtual machine (VM) using VMware Workstation on and verify its functionality by reverting to the snapshot or creating and running a cloned VM.

Aim: To create a snapshot of a virtual machine (VM) using VMware Workstation on and verify its functionality by reverting to the snapshot or creating and running a cloned VM.

Procedure :

Step 1: Launch VMware Worksta on

1. Open VMware Workstation on your system.

2. Select the virtual machine you wish to manage from the le panel.

Step 2: Shut Down the Virtual Machine

- Shut down the VM to ensure a clean snapshot (optional but recommended).

Step 3: Take a Snapshot

1. Click on the VM menu.

2. Select Snapshot → Take Snapshot.

3. Enter a name (e.g., "Before Update") and an optional description.

4. Click Take Snapshot to save the VM's current state.

Step 4: Make System Changes (Optional)

- Start the VM and install so ware or make system changes for testing purposes.

Step 5: Revert to the Snapshot

1. Go to VM → Snapshot → Snapshot Manager.

2. Select your previously saved snapshot.

3. Click Go To to restore the VM to that state.

Step 6: Clone the VM (Optional Alternative)

1. Shut down the VM again.

2. Go to VM → Manage → Clone.

3. Choose:

o Clone from Snapshot (to use saved snapshot)

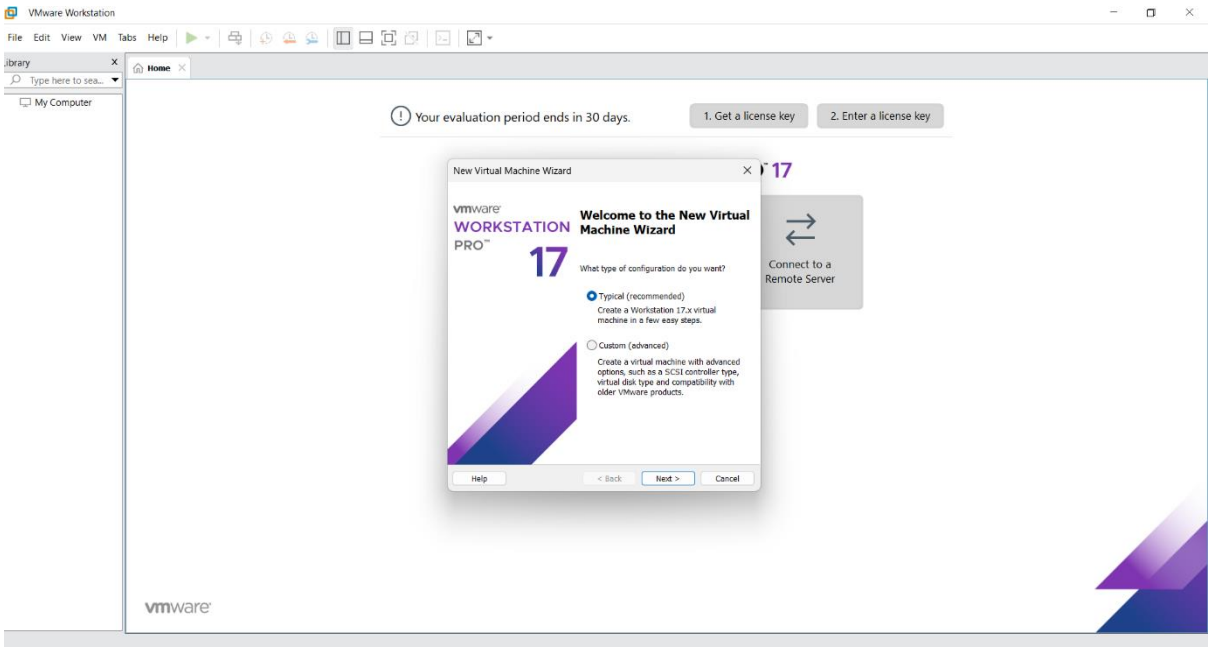
o Create a Full Clone (for independent use)

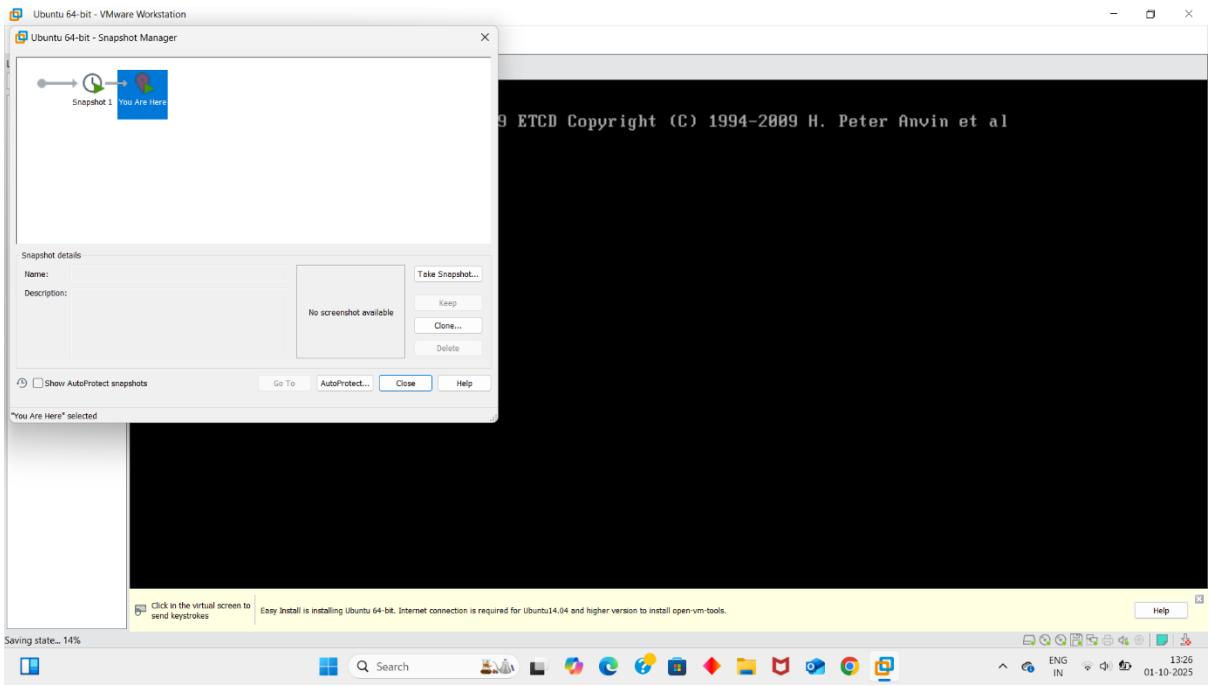
4. Name and save the clone in your desired location.

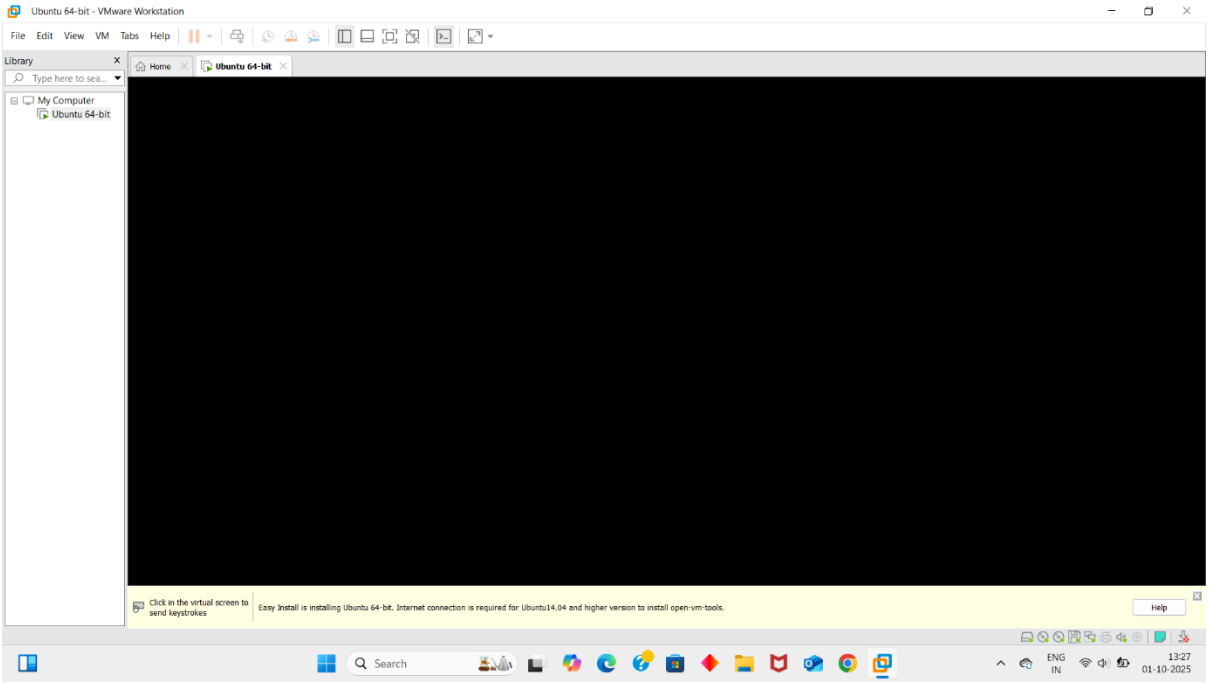
Step 7: Run the Cloned VM

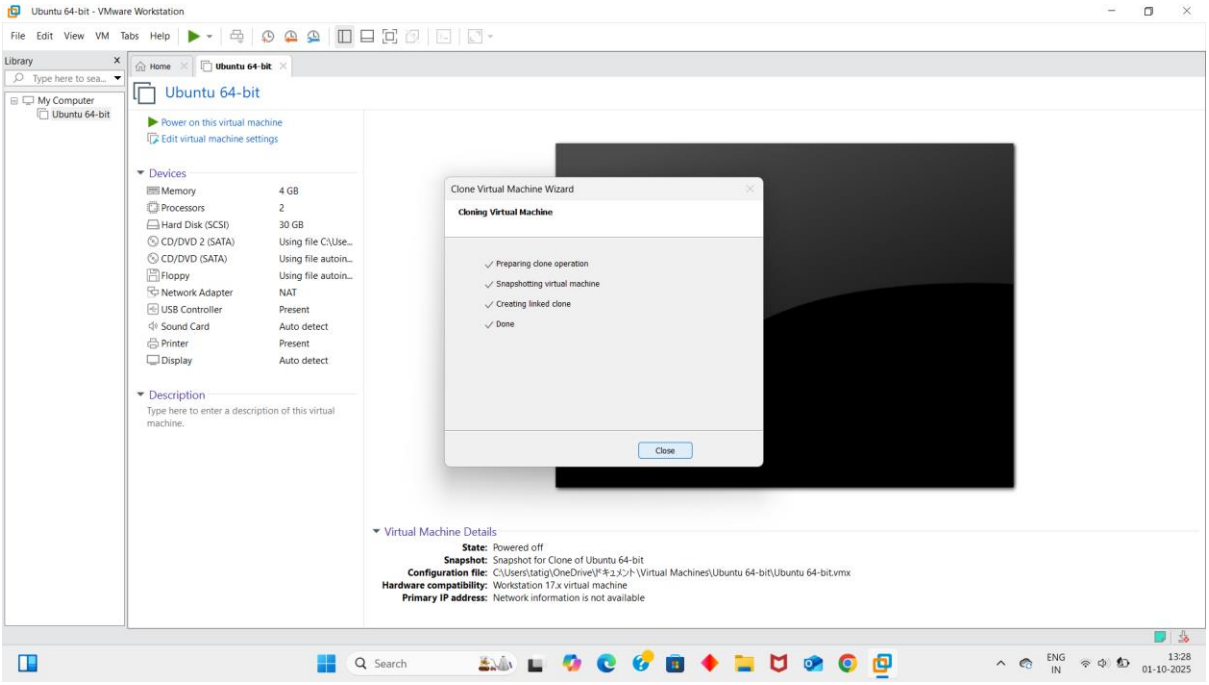
• Power on the cloned VM and verify that it runs as expected, matching the state of the snapshot.

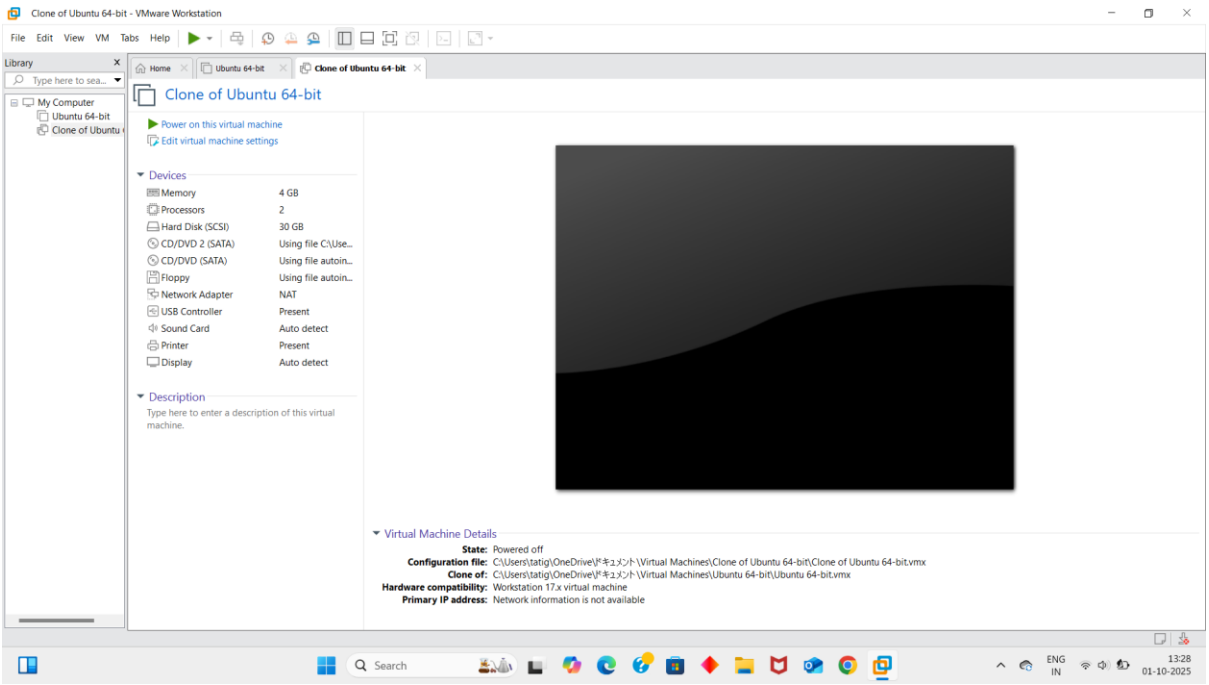
IMPLEMENTATION:






Ubuntu 64-bit - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to sea...
My Computer
Ubuntu 64-bit
Home
Ubuntu 64-bit
Click in the virtual screen to send keystrokes
Easy Install is installing Ubuntu 64-bit. Internet connection is required for Ubuntu14.04 and higher version to install open-vm-tools.
Help
Search
ENG
IN
13:27
01-10-2025


Ubuntu 64-bit - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to sea...
My Computer
Ubuntu 64-bit
Home
Ubuntu 64-bit
Ubuntu 64-bit
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 4 GB
Processors 2
Hard Disk (SCSI) 30 GB
CD/DVD 2 (SATA) Using file C:\Use...
CD/DVD (SATA) Using file autoin...
Floppy Using file autoin...
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Clone Virtual Machine Wizard
Cloning Virtual Machine
Preparing clone operation
Snapshotting virtual machine
Creating linked clone
Done
Close
Virtual Machine Details
State: Powered off
Snapshot: Snapshot for Clone of Ubuntu 64-bit
Configuration file: C:\Users\tatig\OneDrive\ドキュメント\Virtual Machines\Ubuntu 64-bit\Ubuntu 64-bit.vmx
Hardware compatibility: Workstation 17.x virtual machine
Primary IP address: Network information is not available
Search
ENG
IN
13:28
01-10-2025



Result :

The virtual machine snapshot was successfully created. The system was reverted to the snapshot state without data loss. Additionally, a cloned VM was created and verified to run correctly from the selected snapshot state.