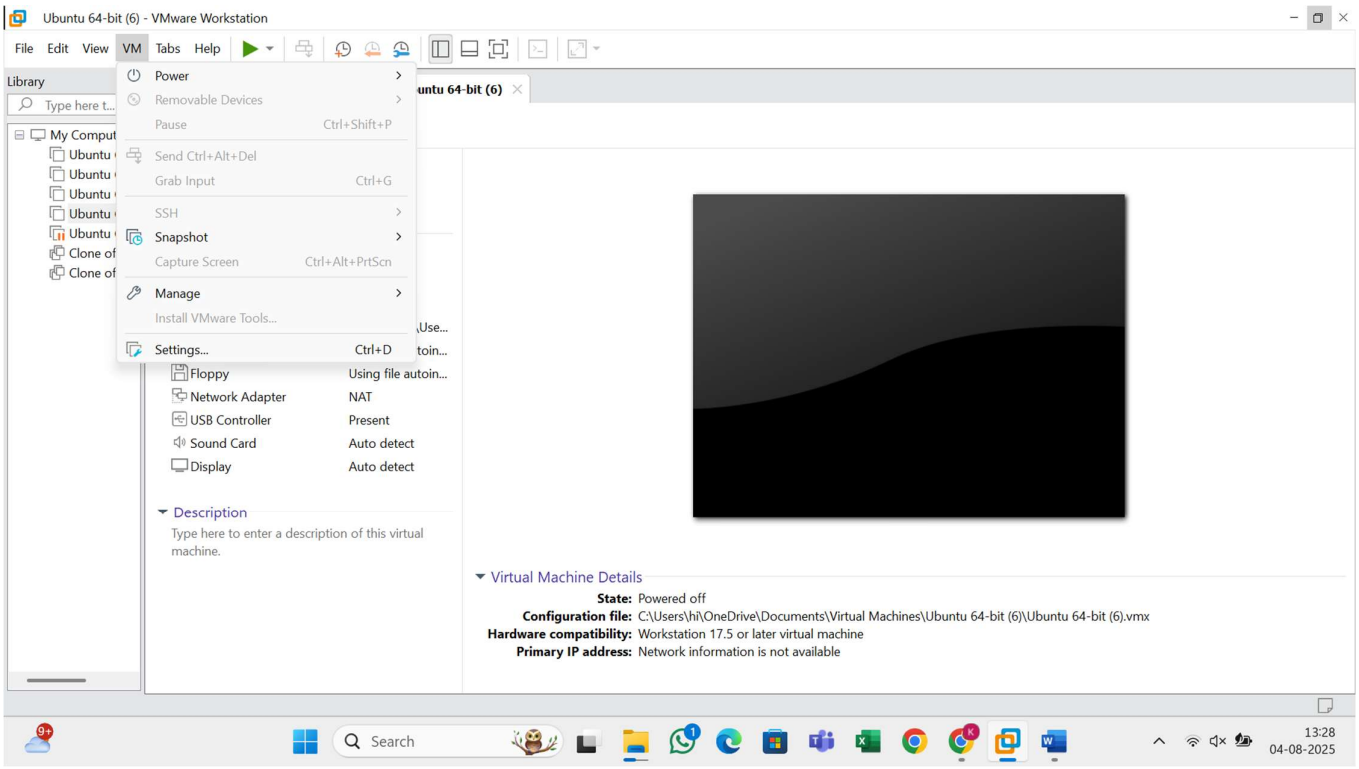
EXPERIMENT – 10

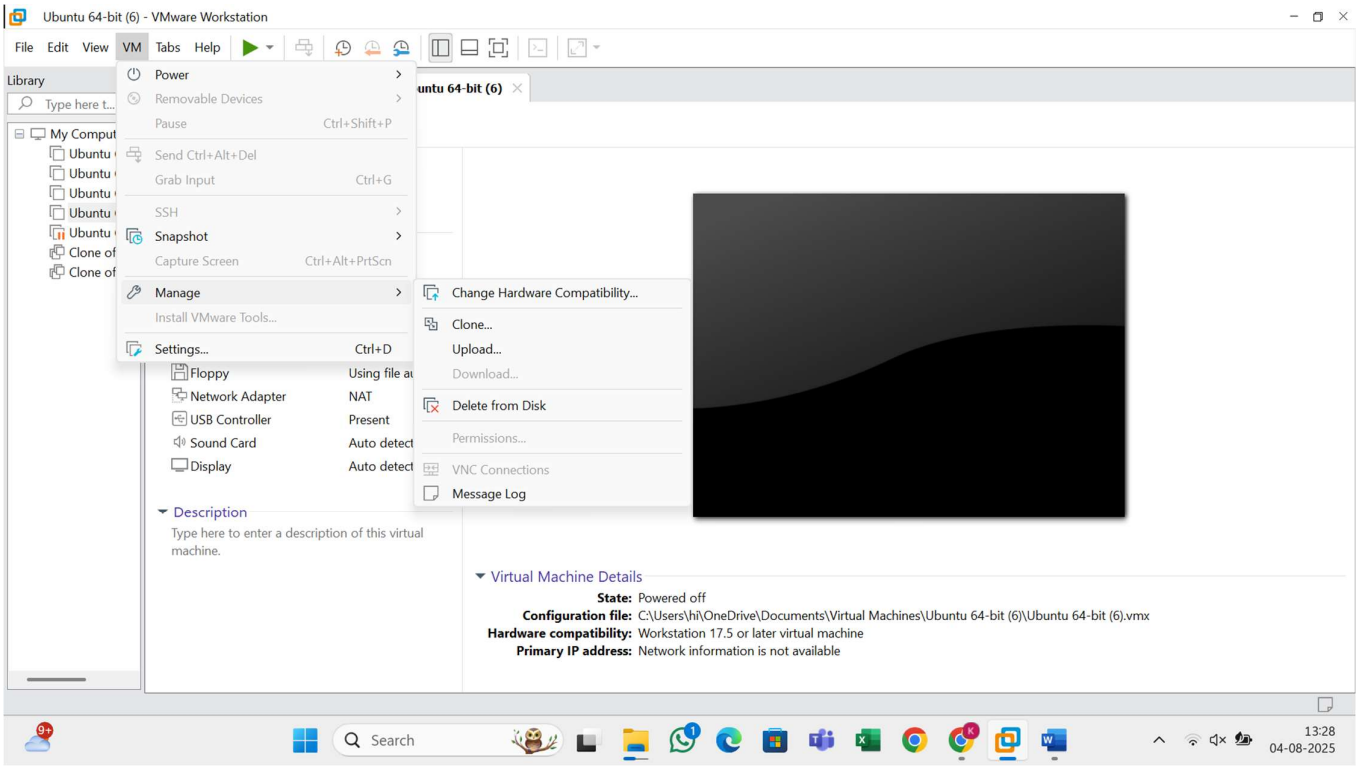
AIM:

To clone a Virtual Machine and test it by loading and running the cloned or previous version using Oracle VirtualBox.

PROCEDURE:

1. Launch Oracle VM VirtualBox and ensure the original VM is powered off.
2. Right-click on the VM to be cloned and select 'Clone' from the menu.
3. In the 'Clone Virtual Machine' dialog, provide a new name for the VM (e.g., MyVM_Clone).
4. Choose whether to clone the 'Current Machine State' or from a specific 'Snapshot'.
5. Select the type of clone:
   - Full Clone: Creates an independent copy of the VM with its own virtual disk.
   - Linked Clone: Shares the base disk with the original VM (uses less space).
6. It is recommended to choose 'Full Clone' for complete independence.
7. Click 'Finish' to begin the cloning process.
8. Once cloning is complete, the new VM appears in the VM list.
9. Select the cloned VM and click 'Start' to verify it boots correctly and functions as expected.
10. Ensure the clone operates independently of the original VM with all settings retained.


Ubuntu 64-bit (6) - VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Comput
Ubuntu
Clone of
Power
Removable Devices
Pause Ctrl+Shift+P
Send Ctrl+Alt+Del
Grab Input Ctrl+G
SSH
Snapshot
Capture Screen Ctrl+Alt+PrtScn
Manage
Install VMware Tools...
Settings... Ctrl+D
Floppy
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Virtual Machine Details
State: Powered off
Configuration file: C:\Users\hi\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit (6)\Ubuntu 64-bit (6).vmx
Hardware compatibility: Workstation 17.5 or later virtual machine
Primary IP address: Network information is not available
Search
13:28
04-08-2025


Ubuntu 64-bit (6) - VMware Workstation
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Library
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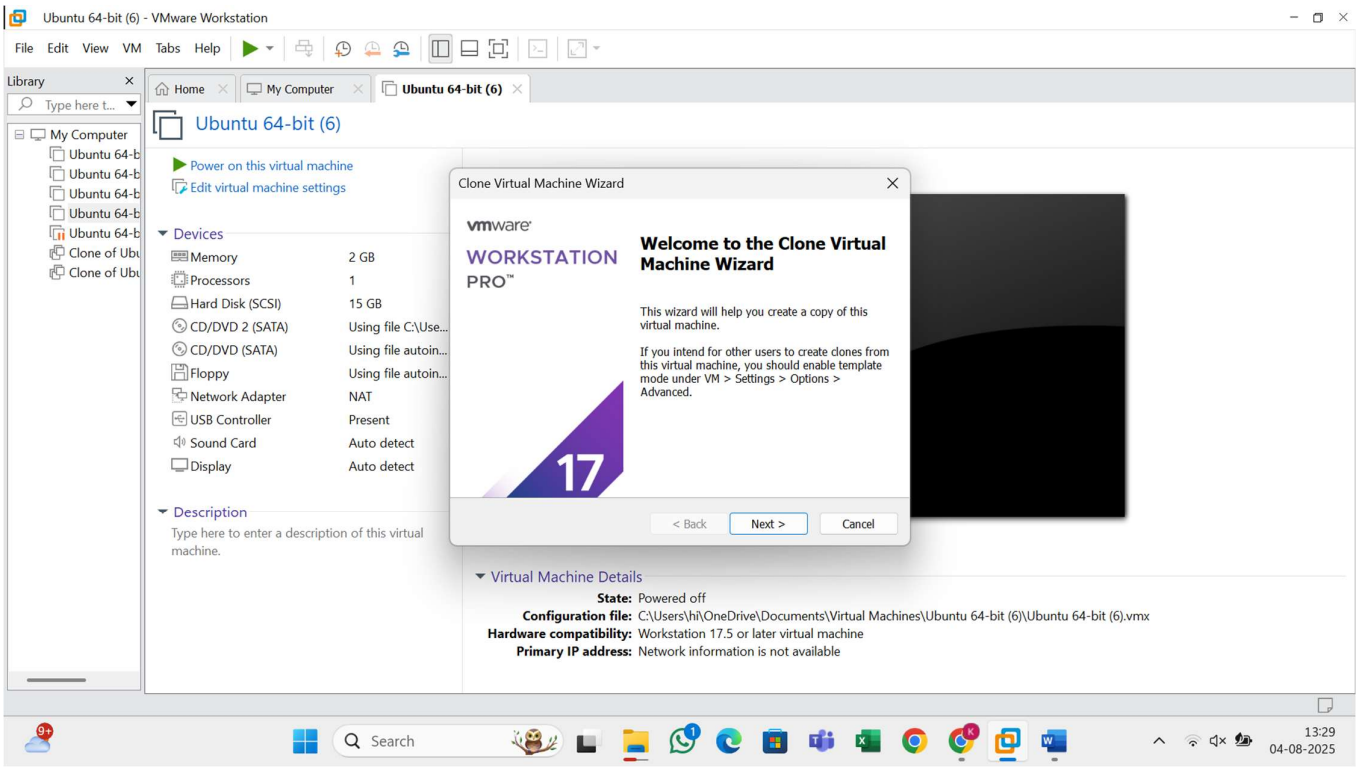
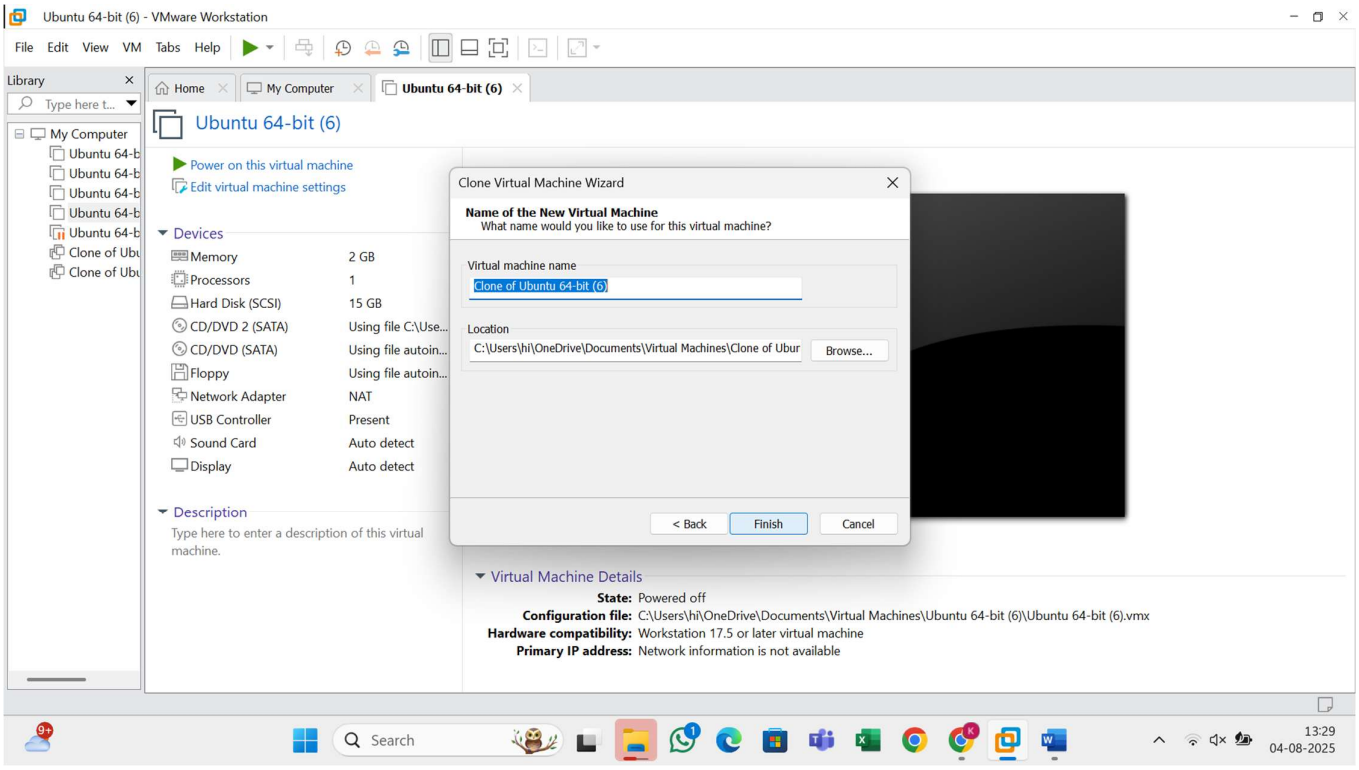
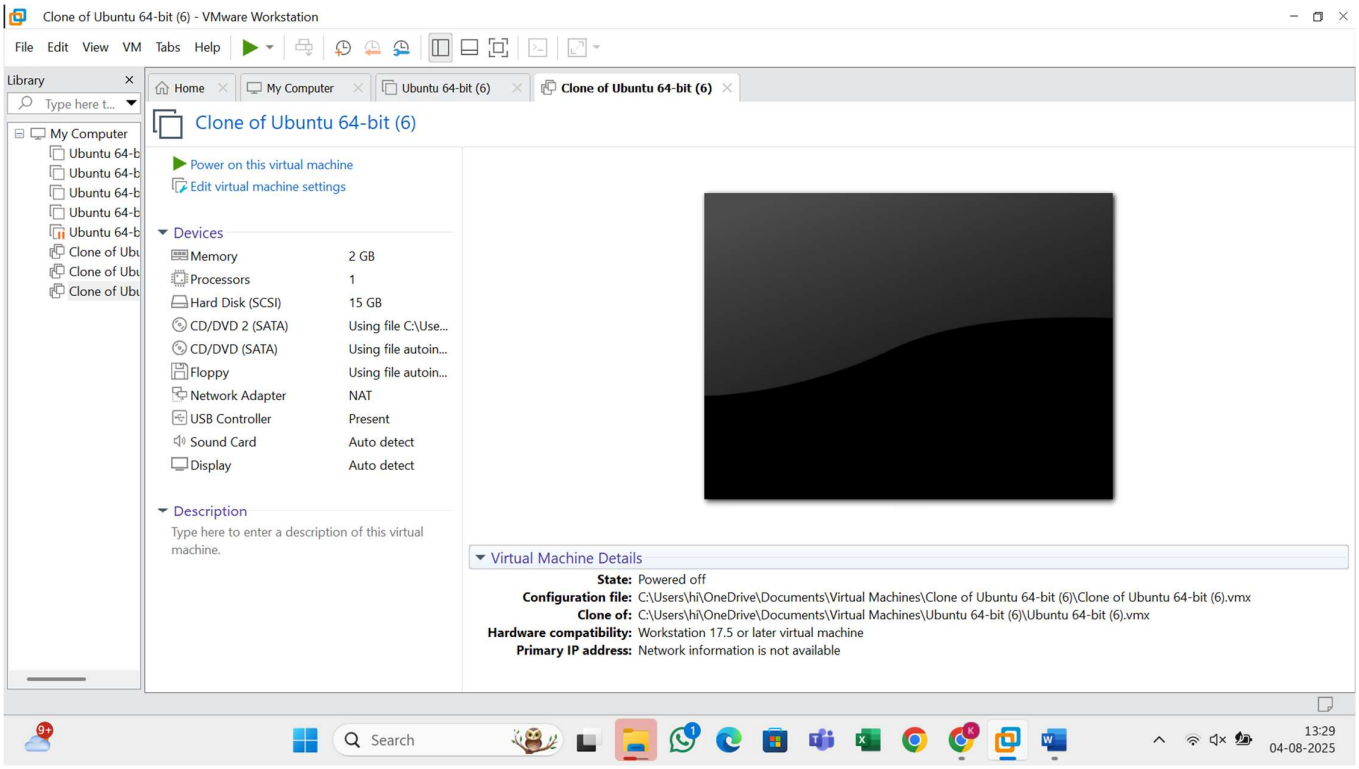
My Comput
Ubuntu
Clone of
Power
Removable Devices
Pause Ctrl+Shift+P
Send Ctrl+Alt+Del
Grab Input Ctrl+G
SSH
Snapshot
Capture Screen Ctrl+Alt+PrtScn
Manage
Install VMware Tools...
Settings... Ctrl+D
Change Hardware Compatibility...
Clone...
Upload...
Download...
Delete from Disk
Permissions...
VNC Connections
Message Log
Floppy
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Virtual Machine Details
State: Powered off
Configuration file: C:\Users\hi\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit (6)\Ubuntu 64-bit (6).vmx
Hardware compatibility: Workstation 17.5 or later virtual machine
Primary IP address: Network information is not available
Search
13:28
04-08-2025


Ubuntu 64-bit (6) - VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Clone of Ubu
Home
My Computer
Ubuntu 64-bit (6)
Ubuntu 64-bit (6)
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 2 GB
Processors 1
Hard Disk (SCSI) 15 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
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Clone Virtual Machine Wizard
vmware
WORKSTATION PRO™
17
Welcome to the Clone Virtual Machine Wizard
This wizard will help you create a copy of this virtual machine.
If you intend for other users to create clones from this virtual machine, you should enable template mode under VM > Settings > Options > Advanced.
< Back
Next >
Cancel
Virtual Machine Details
State: Powered off
Configuration file: C:\Users\hi\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit (6)\Ubuntu 64-bit (6).vmx
Hardware compatibility: Workstation 17.5 or later virtual machine
Primary IP address: Network information is not available
Search
13:29
04-08-2025


Ubuntu 64-bit (6) - VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Ubuntu 64-b
Clone of Ubu
Home
My Computer
Ubuntu 64-bit (6)
Ubuntu 64-bit (6)
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 2 GB
Processors 1
Hard Disk (SCSI) 15 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
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Clone Virtual Machine Wizard
Name of the New Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name
Clone of Ubuntu 64-bit (6)
Location
C:\Users\hi\OneDrive\Documents\Virtual Machines\Clone of Ubur
Browse...
< Back
Finish
Cancel
Virtual Machine Details
State: Powered off
Configuration file: C:\Users\hi\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit (6)\Ubuntu 64-bit (6).vmx
Hardware compatibility: Workstation 17.5 or later virtual machine
Primary IP address: Network information is not available
Search
13:29
04-08-2025



RESULT:

A virtual machine was successfully cloned using Oracle VirtualBox. The cloned VM was tested and confirmed to be a functional, independent duplicate of the original VM.