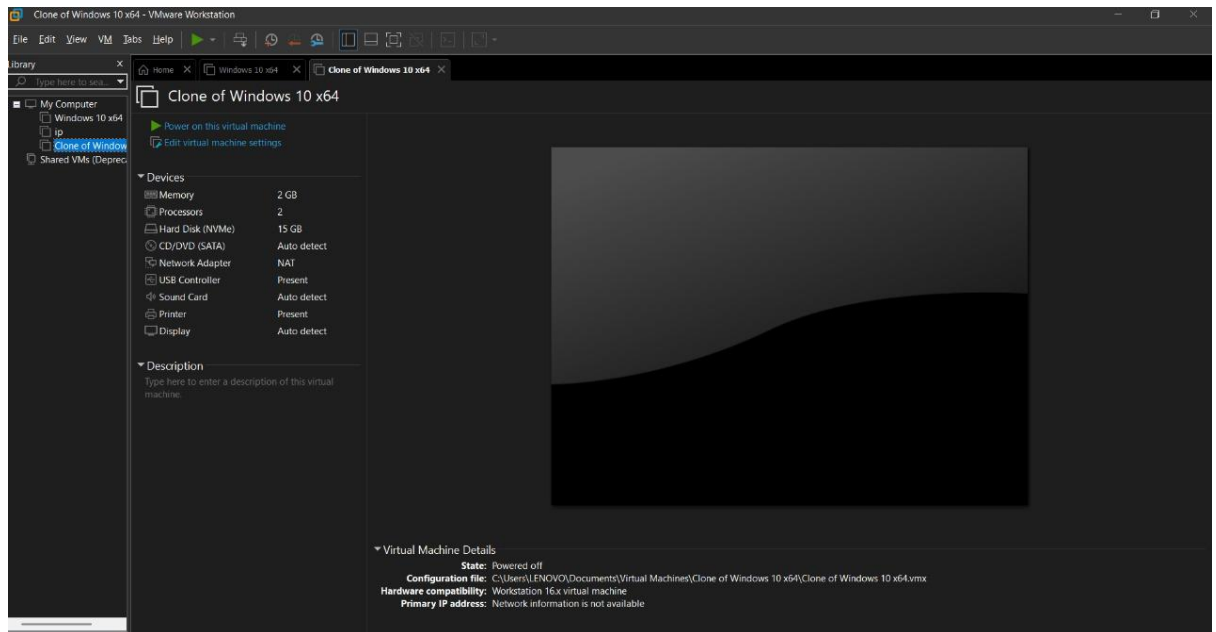# CLONING OF A VM
EXPERIMENT – 10

AIM:

To create a full clone or linked clone of an existing virtual machine using VMware, and test it by running the cloned VM to verify that it works independently.

PROCEDURE:

1. Open **VMware Workstation** and make sure the original virtual machine you want to clone is powered off. Cloning cannot be done while the VM is running or suspended.

2. In the VMware library (left pane), right-click on the VM you want to clone and select **Manage → Clone** from the context menu.

3. The **Clone Virtual Machine Wizard** opens. Click **Next** to continue. Choose whether to clone from the current state of the VM or from an existing snapshot.

4. Select the cloning method:

   - **Full clone**: makes a completely independent copy that doesn't rely on the original VM files.

   - **Linked clone**: smaller copy that shares virtual disk with the parent VM (requires less disk space but depends on the original VM).

5. Click **Next** and enter a name for the cloned VM (e.g., *UbuntuVM_Clone* or *Win10VM_Clone*). Choose a location on your disk to store the cloned VM files.

6. Click **Finish** to start the cloning process. Wait until VMware completes copying files; the time taken depends on the disk size and type of clone.

7. Once the process finishes, the cloned VM appears separately in your VMware library. Select the cloned VM and click **Power on** to start it.

8. Observe that the cloned VM boots up just like the original. Verify that it runs independently by making changes (e.g., creating a file) and confirming these changes don't appear in the original VM.

OUTPUT:

RESULT:

Thus, a virtual machine was successfully cloned in VMware and tested by powering on and using the cloned VM as an independent copy.