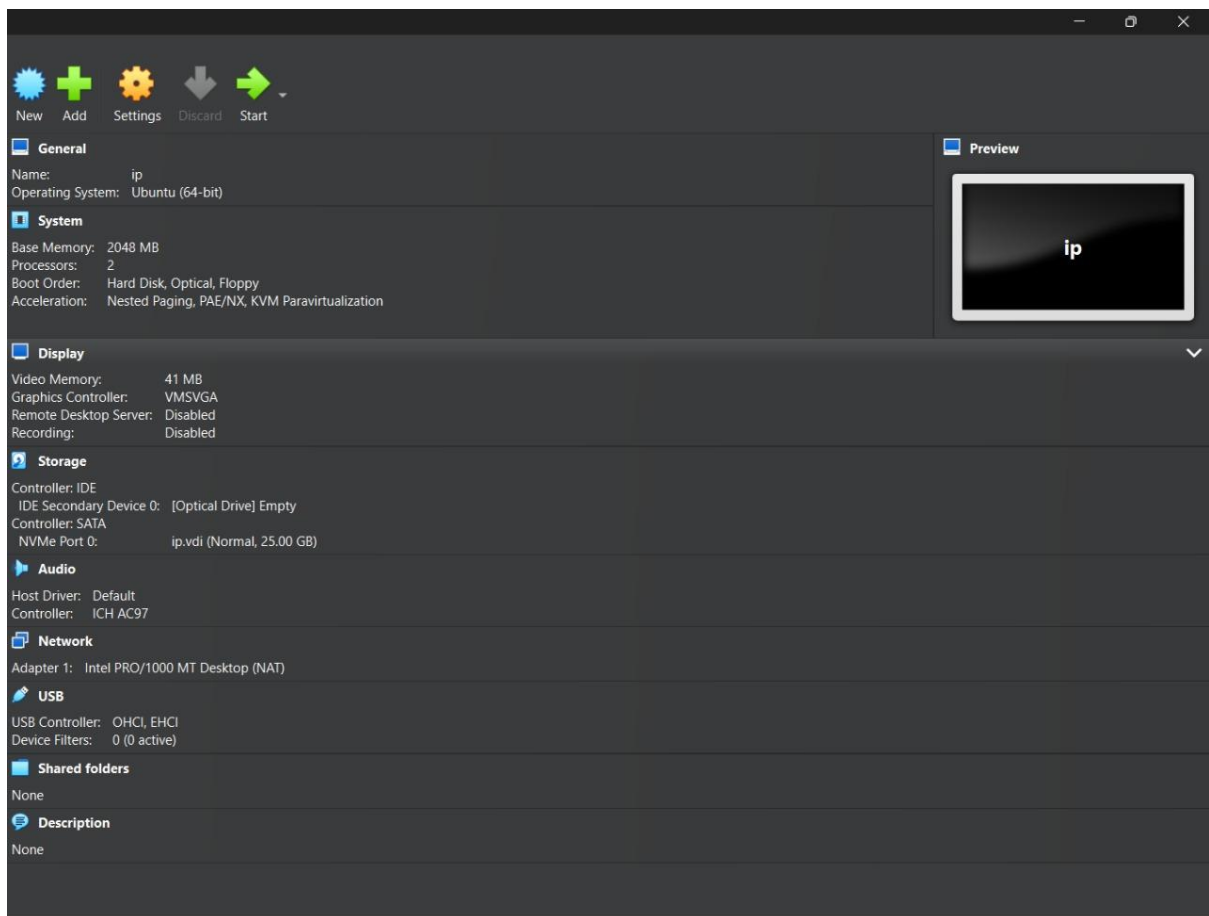# HARDWARE COMPATIBILITY

EXPERIMENT – 17

AIM:

To change the hardware compatibility of a virtual machine (VM) by cloning or creating a new VM using Oracle.

PROCEDURE:

1. Open Oracle VM VirtualBox and ensure the virtual machine is powered off.
2. Select the existing virtual machine from the left pane. To change hardware compatibility, it is recommended to clone the VM or create a new one with the desired configuration.
3. Right-click on the VM and select Clone.
4. In the cloning wizard, enter the name for the new VM and select Reinitialize the MAC address of all network cards.
5. Choose the cloning type:

6. Full Clone (creates a complete independent VM)

7. Linked Clone (shares virtual disk with the original VM)

8. Once the VM is cloned, go to Settings of the new VM.
9. Under the System section, modify the base memory (RAM), boot order, and chipset/pointing device options according to desired hardware compatibility.
10. In the Processor tab, adjust the number of processors or enable PAE/NX if required.
11. Under Display, adjust video memory, enable 3D acceleration or 2D acceleration depending on what the target environment supports.
12. You can also update Storage, Network Adapter types, and USB Controller version (USB 1.1/2.0/3.0) to ensure compatibility with newer VirtualBox versions.
13. Once all hardware settings are changed, click OK to save and then start the VM to verify successful execution.

OUTPUT:

RESULT:

Successfully changed the hardware configuration of a Virtual Machine using Oracle VM VirtualBox by cloning and modifying settings.