

Exp No: 3

Date: 30.07.2024

VIRTUALIZATION
VIRTUAL BLOCK, VM CLONE & VM SNAPSHOT

AIM:

To configure a Virtual Block for a VM and then create a copy of VM through Cloning and perform a snapshot of VM.

PROCEDURE FOR VIRTUAL DISK:

1. Open the virtual machine settings editor (VM > Settings) and click Add
2. Click Hard Disk, then click Next.
3. Select Create a new virtual disk, then click Next.
4. Choose whether you want the virtual disk to be an IDE disk or a SCSI disk.
5. Set the capacity for the new virtual disk.
6. Accept the default filename and location for the virtual disk file
7. The wizard creates the new virtual disk. It appears to your guest operating system as a new, blank hard disk. Use the guest operating system's tools to partition and format the new drive for use.

PROCEDURE FOR VM CLONE:

1. Select the virtual machine you want to clone.
2. Open the Clone Virtual Machine Wizard (VM > Manage > Clone) and click Next.
3. Select the state of the parent from which you want to create a clone, and click Next.
4. Select the type of clone you want to create and click Next.
5. Type a name and a path for the cloned virtual machine, and click Finish.

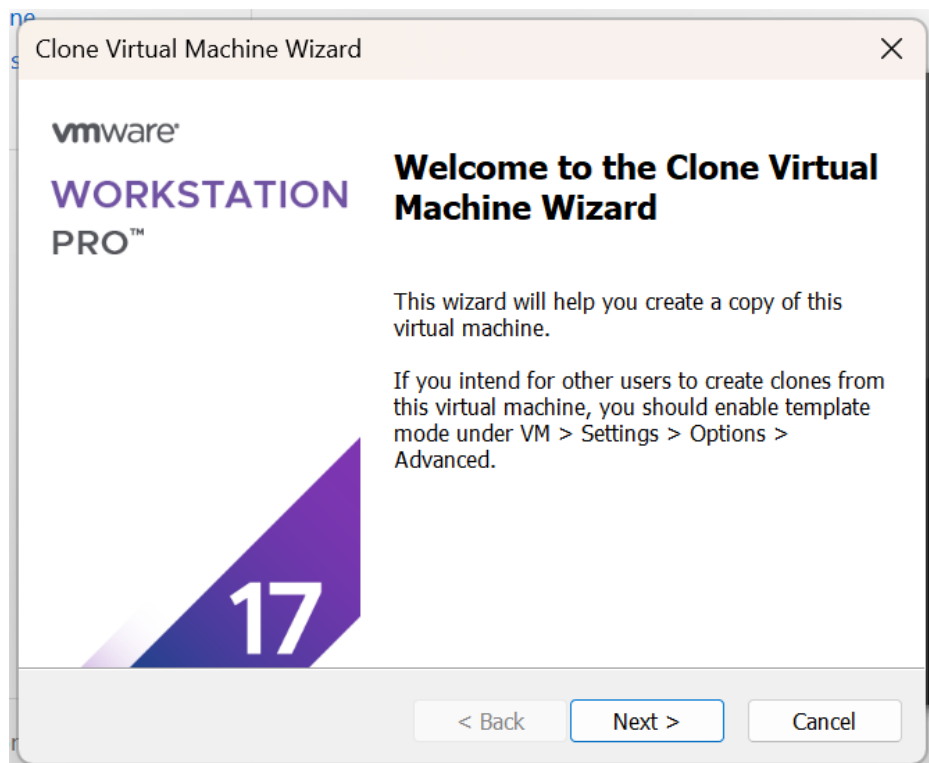
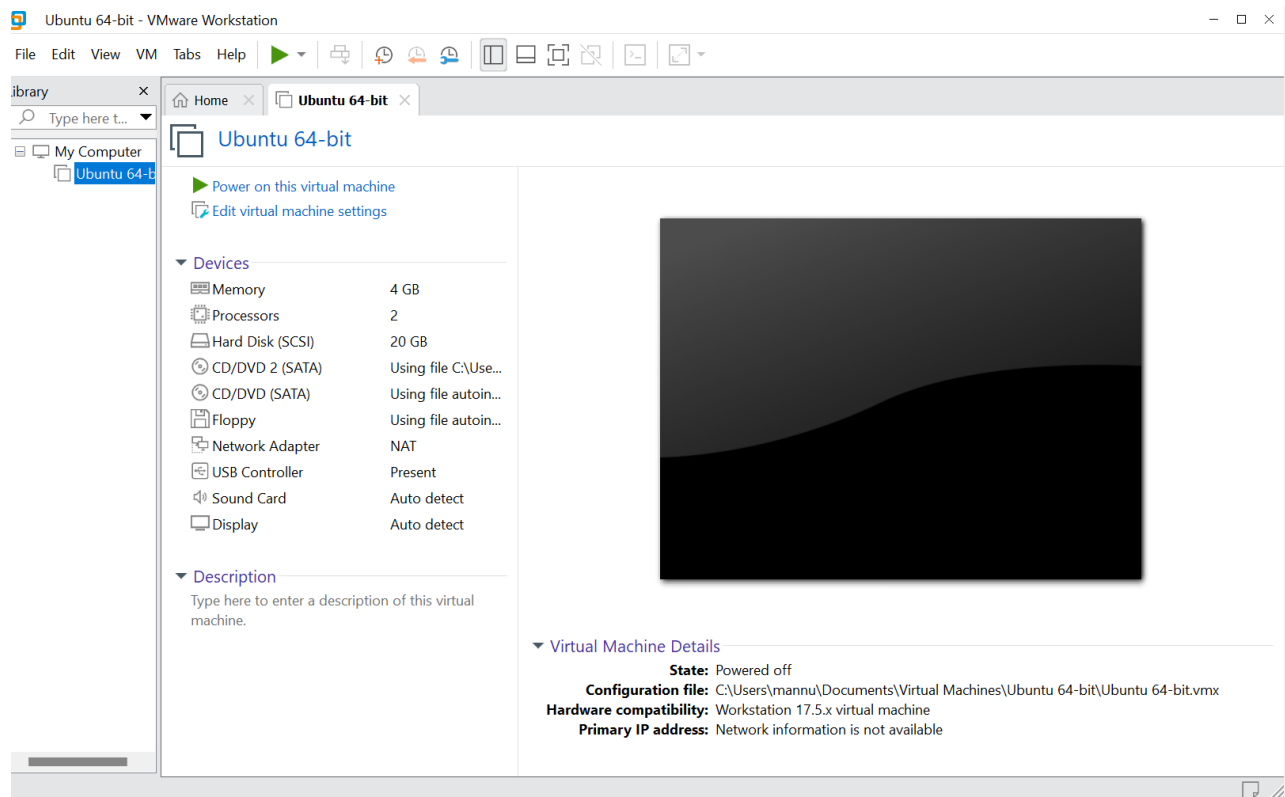
NOTE: You must power off a virtual machine before you can make a clone.

PROCEDURE FOR VM SNAPSHOT:

1. Choose VM > Snapshot > Take Snapshot

OUTPUT:

A Virtual block, Clone and Snapshot are created.



Clone Virtual Machine Wizard

Clone Source

Which state do you want to create a clone from?

Clone from

☒ The current state in the virtual machine

Creating a linked clone from the current state will create a new snapshot.

☐ An existing snapshot (powered off only):

This virtual machine has no existing cloneable snapshots.

< Back

Next >

Cancel

Clone Virtual Machine Wizard

Clone Type

How do you want to clone this virtual machine?

Clone method

☒ Create a linked clone

A linked clone is a reference to the original virtual machine and requires less disk space to store. However, it cannot run without access to the original virtual machine.

☐ Create a full clone

A full clone is a complete copy of the original virtual machine at its current state. This virtual machine is fully independent, but requires more disk space to store.

< Back

Next >

Cancel

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

Location

C:\Users\mannu\Documents\Virtual Machines\Clone of Ubuntu 64-bit

Browse...

< Back

Finish

Cancel

Clone Virtual Machine Wizard

Cloning Virtual Machine

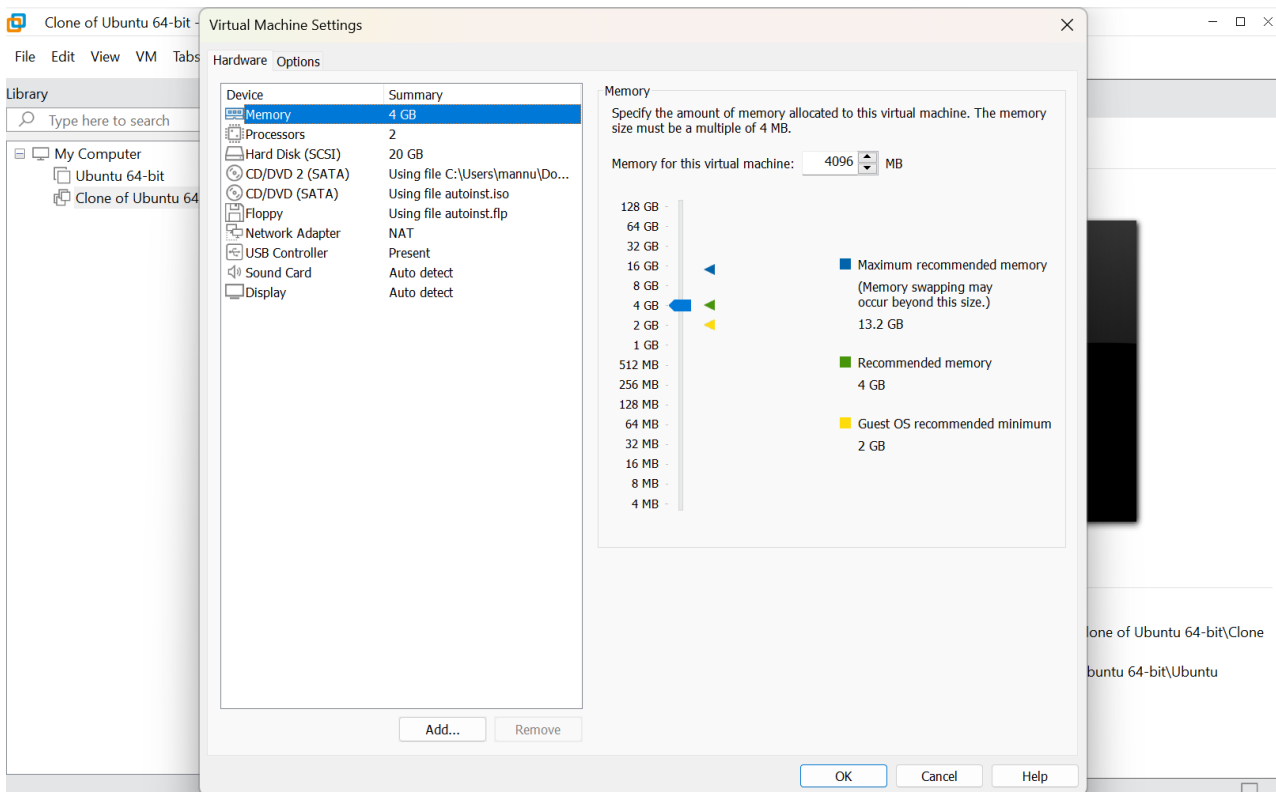
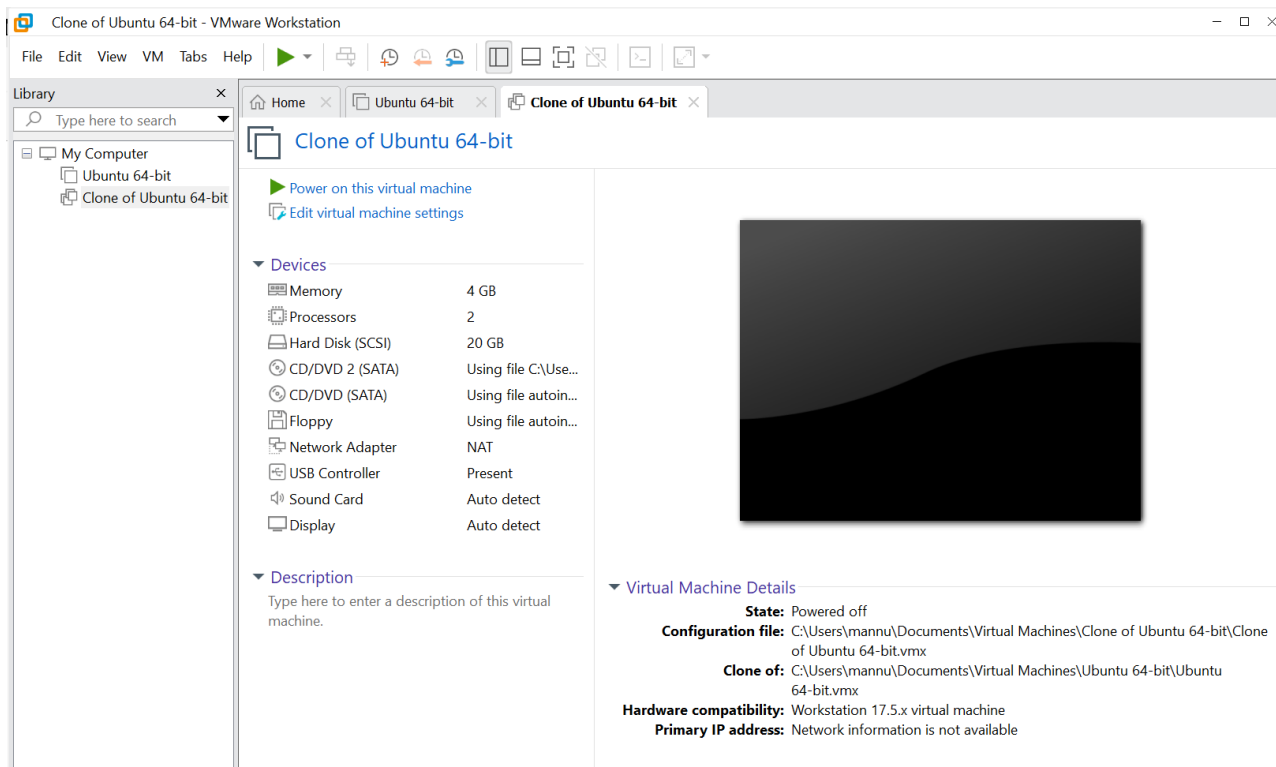
✓ Preparing clone operation

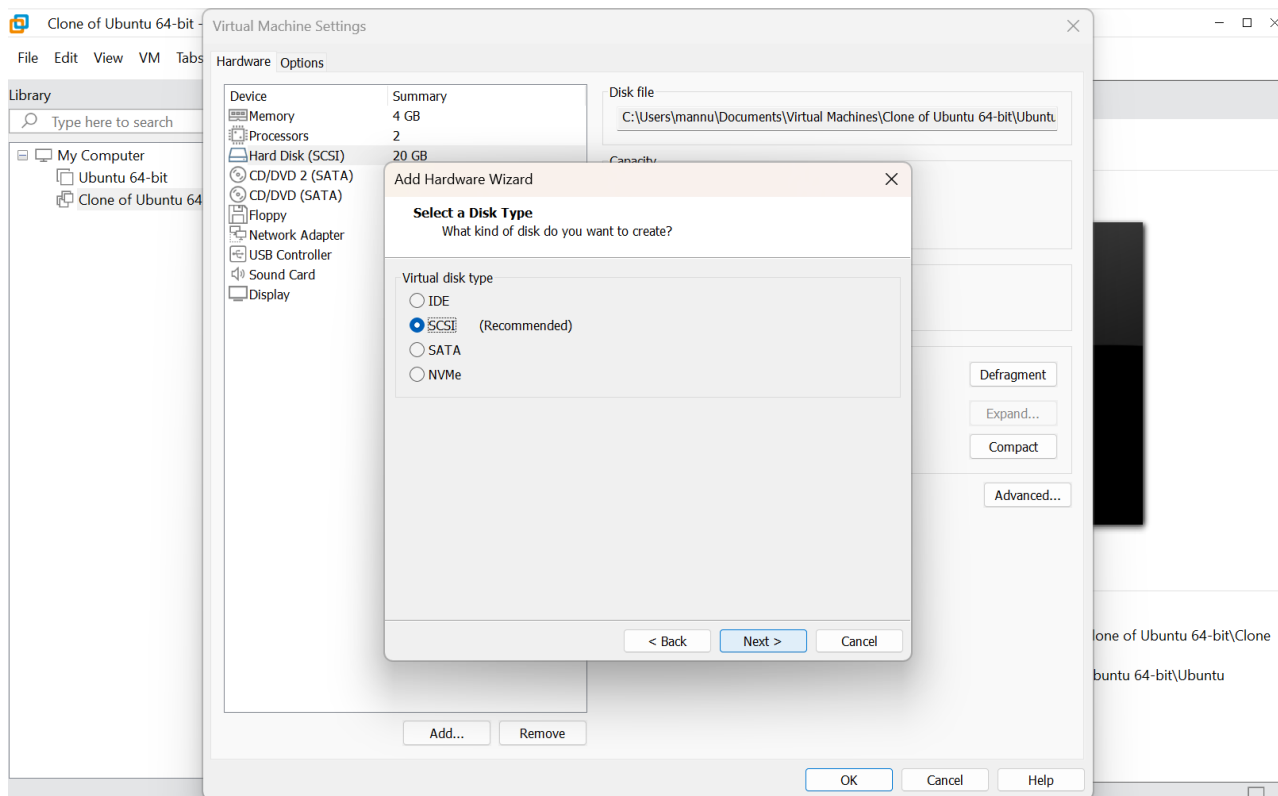
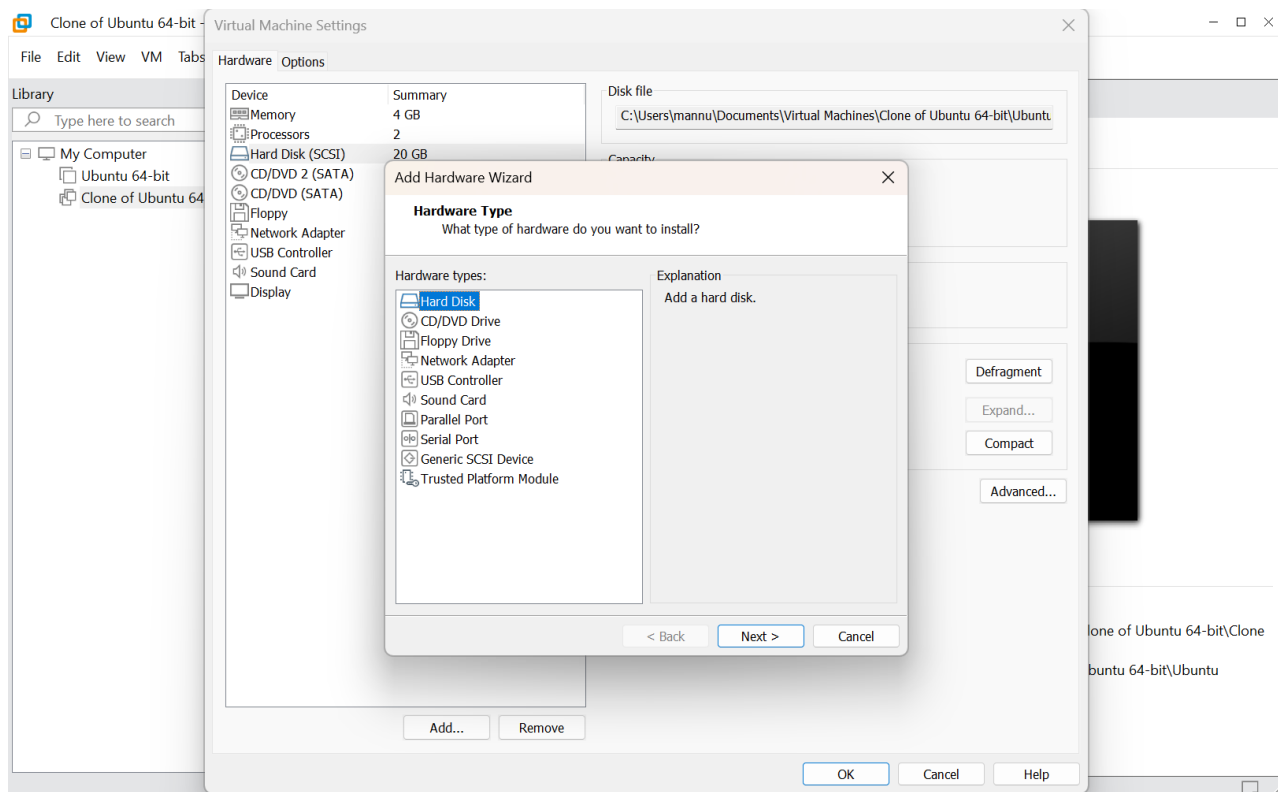
✓ Snapshotting virtual machine

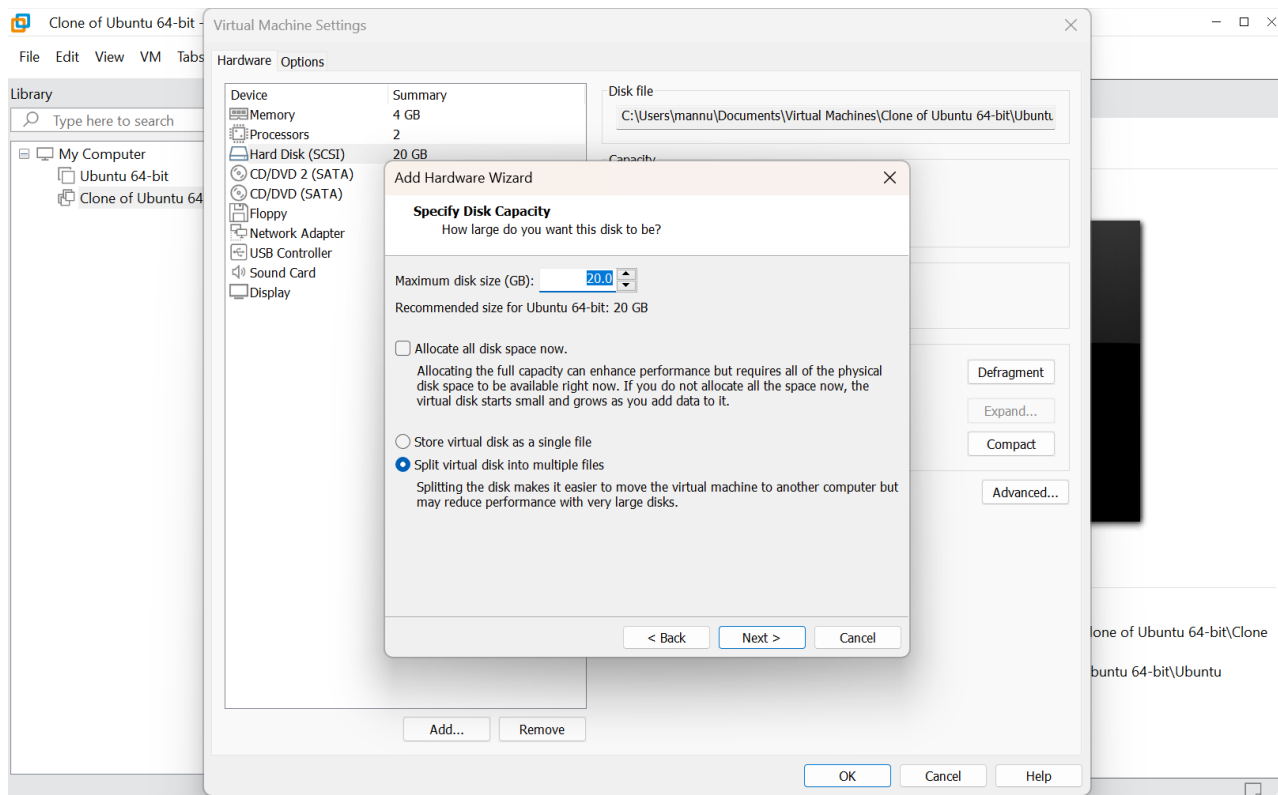
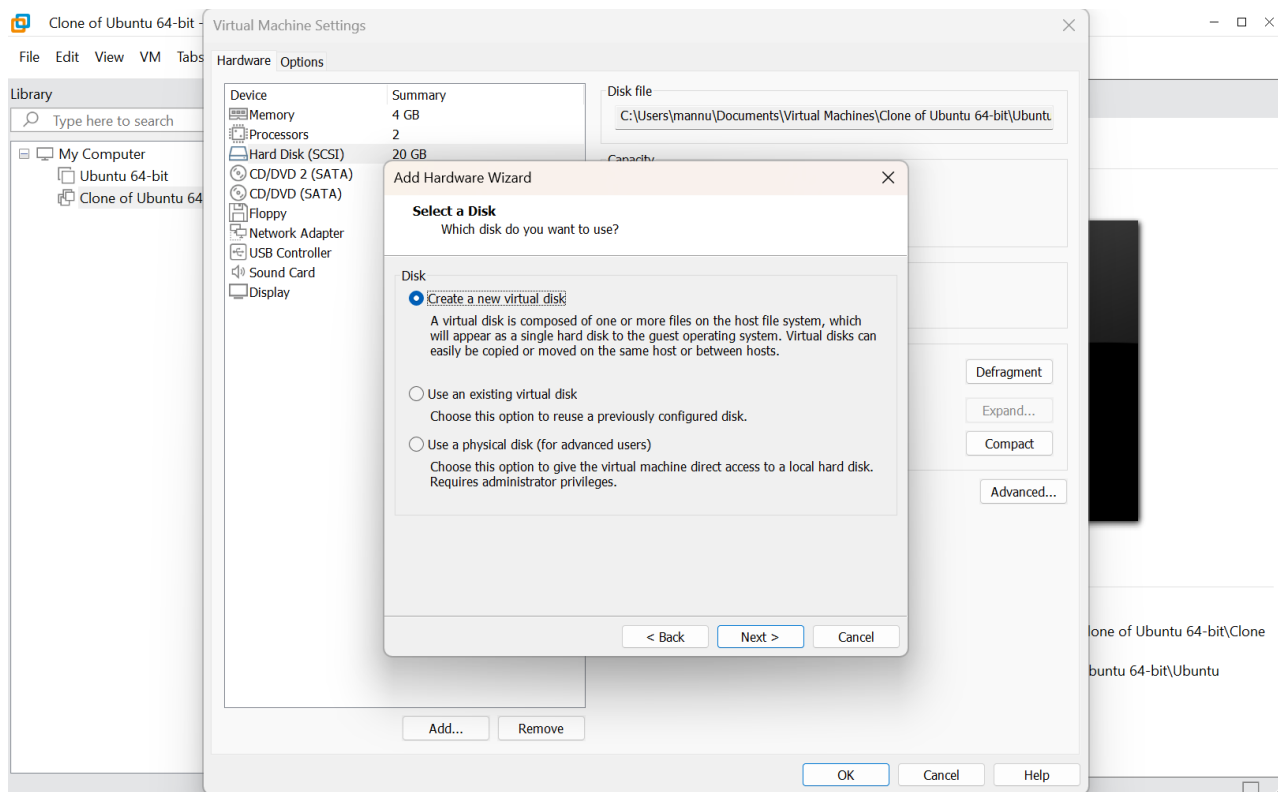
✓ Creating linked clone

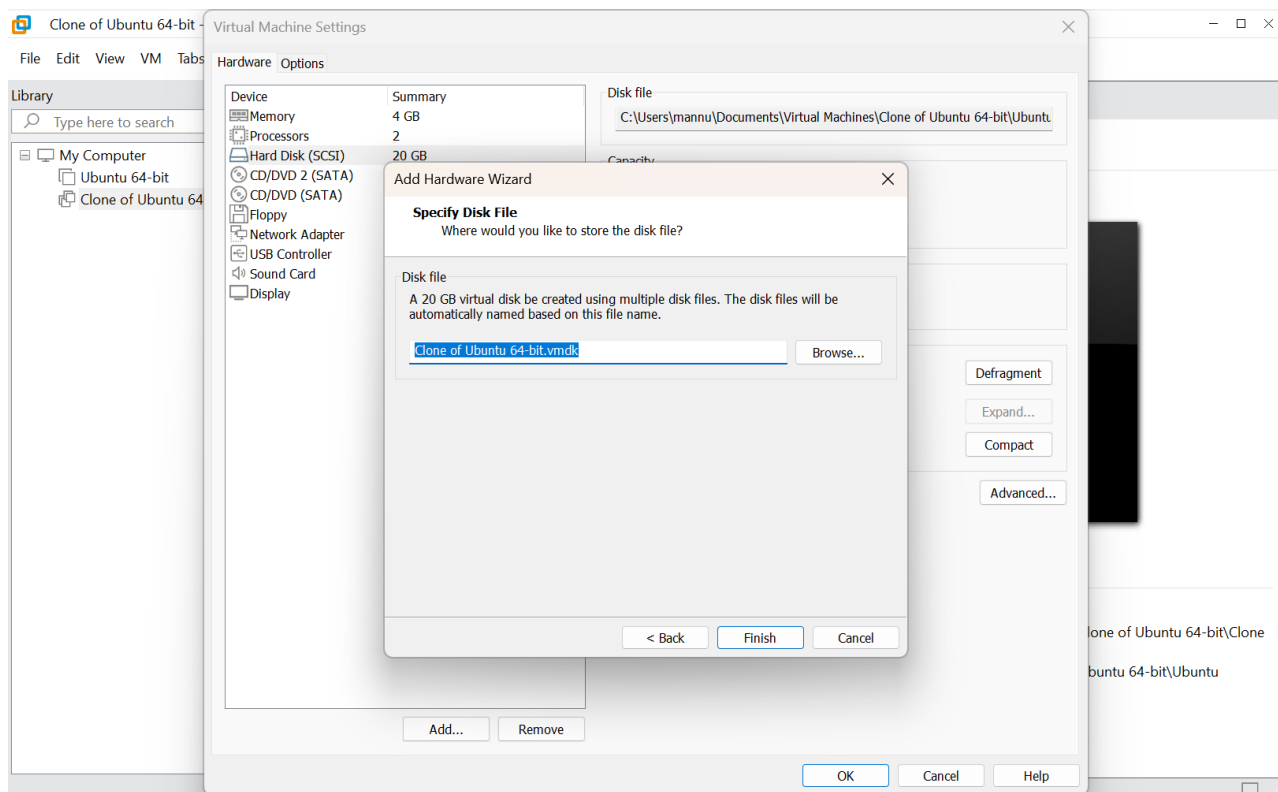
✓ Done

Close









RESULT:

Thus to configure a virtual block for a VM and then create a copy of VM through cloning and perform a snapshot of the VM has been completed successfully.