DATE:26.08.2025

EXPERIMENT – 09 Create a Snapshot of a VM and Test it by loading the Previous Version/Cloned VM using virtual box.

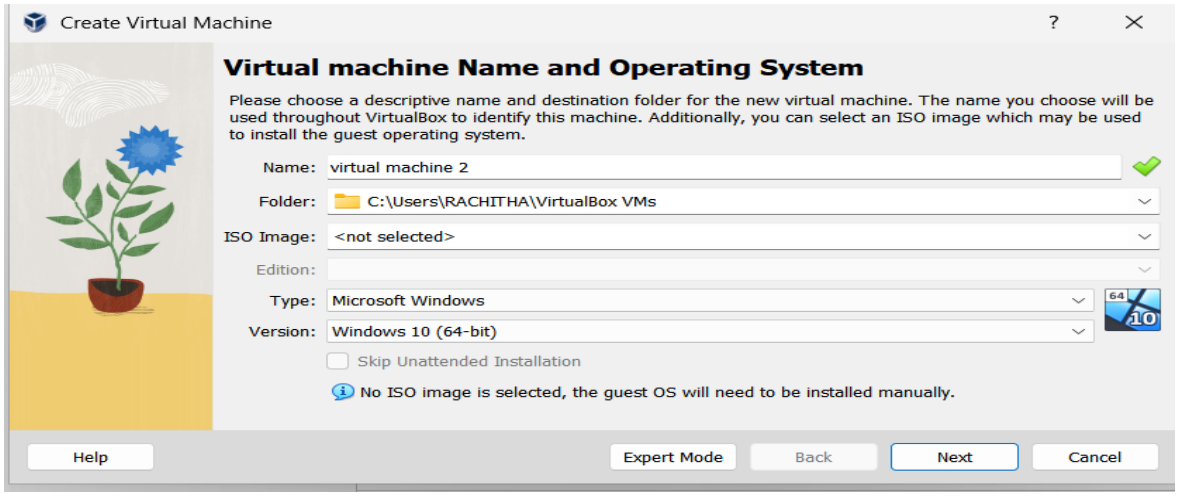
Aim:

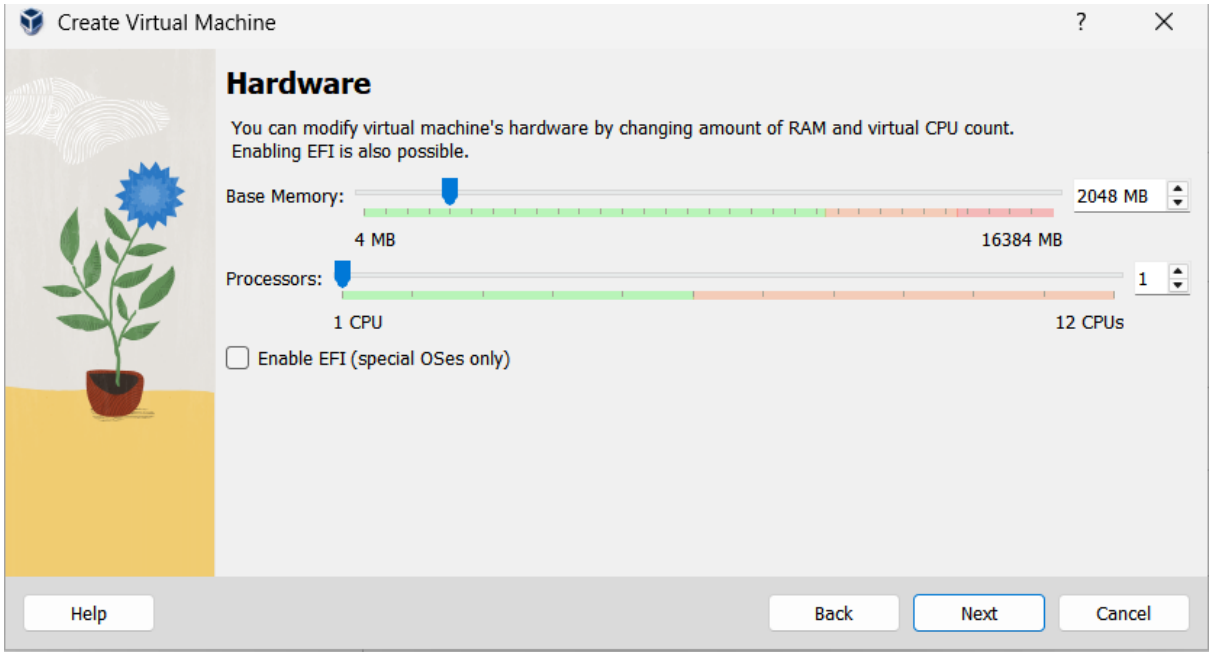
To create a snapshot of a Virtual Machine in VirtualBox and test it by restoring to the previous version or cloned state.

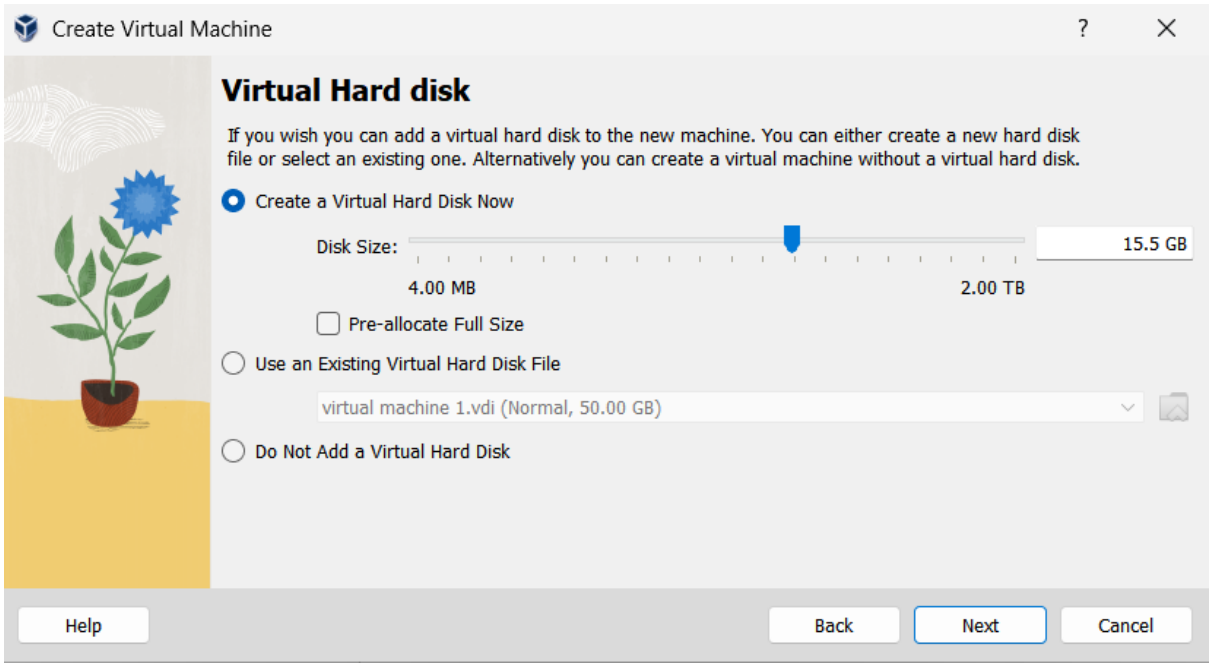
Procedure:

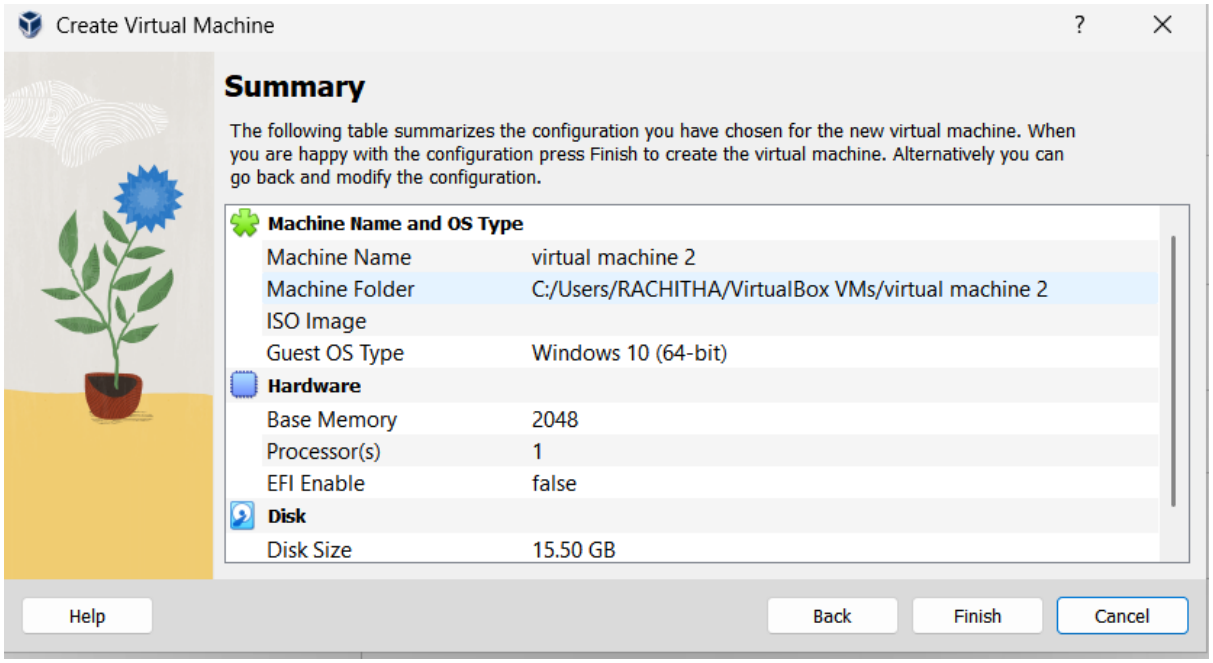
1. Open Oracle VirtualBox on your host machine.
2. Select the virtual machine (VM) for which you want to take a snapshot.
3. Go to the Snapshots tab on the top-right corner of VirtualBox.
4. Click the Take Snapshot button (camera icon).
5. Provide a snapshot name (e.g., “Before Changes”) and an optional description.
6. The snapshot now saves the VM’s current state, including OS, files, memory, and settings.
7. Start the VM and make some changes, such as installing software or editing files.
8. Power off the VM.
9. In the Snapshots tab, select the snapshot you created and click Restore.
10. Start the VM to verify that it has reverted to the previous saved state, undoing any changes made after the snapshot.

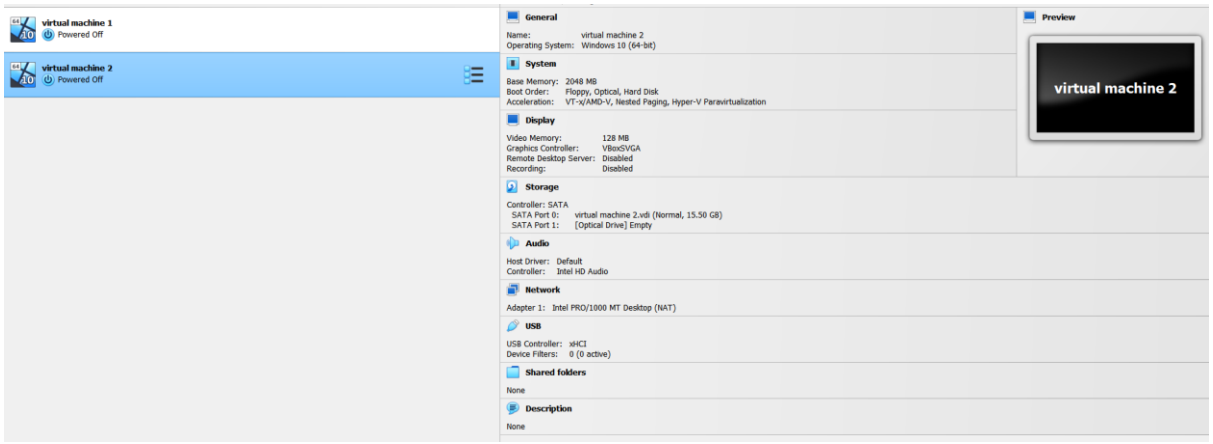
Output:

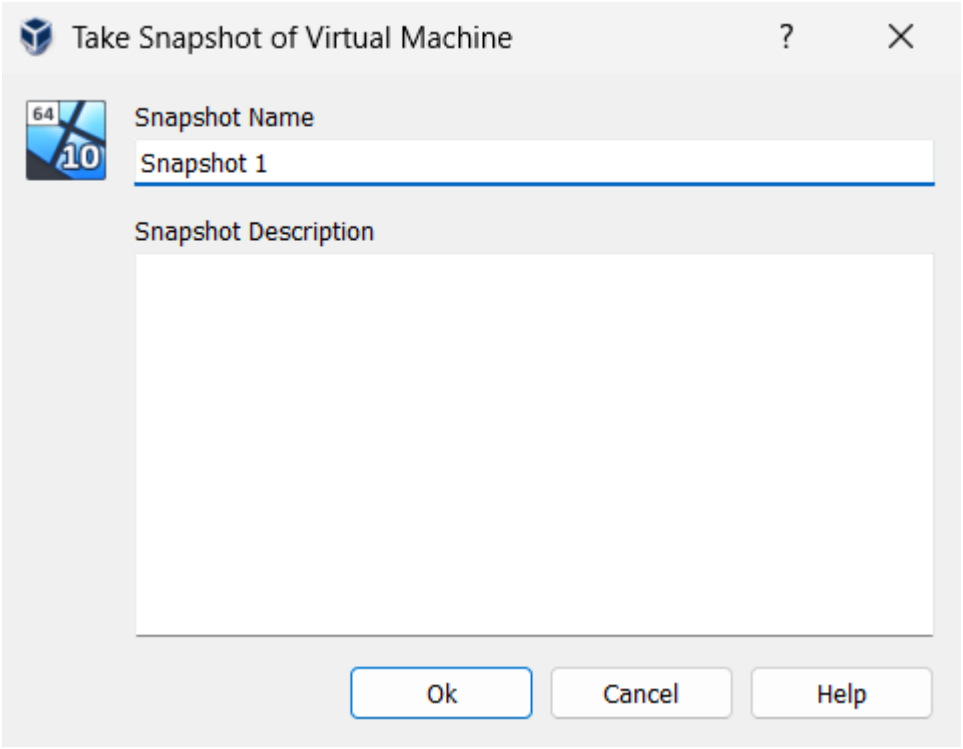


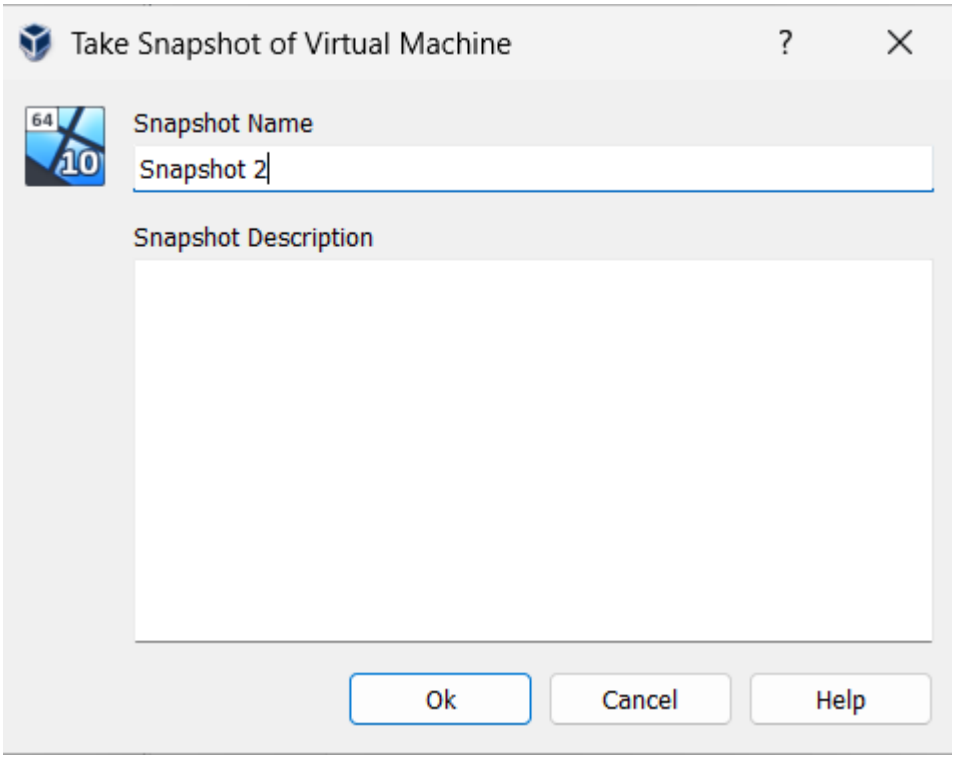

Create Virtual Machine
Hardware
You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count.
Enabling EFI is also possible.
Base Memory:
2048 MB
4 MB
16384 MB
Processors:
1
1 CPU
12 CPUs
Enable EFI (special OSes only)
Help
Back
Next
Cancel

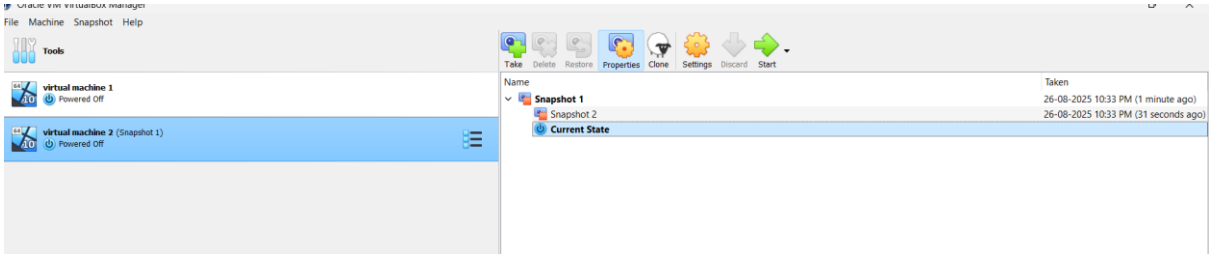

Create Virtual Machine
Virtual Hard disk
If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk
file or select an existing one. Alternatively you can create a virtual machine without a virtual hard disk.
Create a Virtual Hard Disk Now
Disk Size:
15.5 GB
4.00 MB
2.00 TB
Pre-allocate Full Size
Use an Existing Virtual Hard Disk File
virtual machine 1.vdi (Normal, 50.00 GB)
Do Not Add a Virtual Hard Disk
Help
Back
Next
Cancel


Create Virtual Machine
Summary
The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.
Machine Name and OS Type
Machine Name
virtual machine 2
Machine Folder
C:/Users/RACHITHA/VirtualBox VMs/virtual machine 2
ISO Image
Guest OS Type
Windows 10 (64-bit)
Hardware
Base Memory
2048
Processor(s)
1
EFI Enable
false
Disk
Disk Size
15.50 GB
Help
Back
Finish
Cancel


virtual machine 1
Powered Off
virtual machine 2
Powered Off
General
Name: virtual machine 2
Operating System: Windows 10 (64-bit)
System
Base Memory: 2048 MB
Boot Order: Floppy, Optical, Hard Disk
Acceleration: VT-x/AMD-V, Nested Paging, Hyper-V Paravirtualization
Display
Video Memory: 128 MB
Graphics Controller: VBoxSVGA
Remote Desktop Server: Disabled
Recording: Disabled
Storage
Controller: SATA
SATA Port 0: virtual machine 2.vdi (Normal, 15.50 GB)
SATA Port 1: [Optical Drive] Empty
Audio
Host Driver: Default
Controller: Intel HD Audio
Network
Adapter 1: Intel PRO/1000 MT Desktop (NAT)
USB
USB Controller: xHCI
Device Filters: 0 (0 active)
Shared folders
None
Description
None
Preview
virtual machine 2


Take Snapshot of Virtual Machine
Snapshot Name
Snapshot 1
Snapshot Description
Ok
Cancel
Help


Take Snapshot of Virtual Machine
Snapshot Name
Snapshot 2
Snapshot Description
Ok
Cancel
Help



Result:

A snapshot of the VM was successfully created in VirtualBox. Restoring the snapshot reverted the VM to its previous state, demonstrating the functionality of snapshots for backup and testing purposes.