

DATE:26.08.2025

EXPERIMENT – 10 Create a Cloning of a VM and Test it by loading the Previous Version/Cloned VM using virtual box.

Aim:

To create a **clone** of a Virtual Machine in VirtualBox and test it by loading the cloned VM independently.

Procedure:


1. Open **Oracle VirtualBox** on your host system.
2. Select the **virtual machine (VM)** you want to clone.
3. Make sure the VM is **powered off** before cloning.
4. Go to **Machine** → **Clone** from the menu bar.
5. The **Clone Virtual Machine wizard** opens → Click **Next**.
6. Enter a **name** for the cloned VM and choose a **location** to store it.
7. Select the type of clone:
 - **Full Clone** – creates an independent copy of the VM.
 - **Linked Clone** – shares disk with the original VM, saving space.
8. Click **Clone** → VirtualBox will create the cloned VM.
9. Once the cloning process is complete, select the **cloned VM** and start it.
10. Verify that the cloned VM loads successfully and works independently from the original VM.

Output:

Clone Virtual Machine

?

✕



New machine name and path

Please choose a name and optionally a folder for the new virtual machine. The new machine will be a clone of the machine **virtual machine 2**.

Name:

virtual machine 2 Clone

✓

Path:

C:\Users\RACHITHA\VirtualBox VMs

▼

MAC Address Policy:

Include only NAT network adapter MAC addresses

▼

Additional Options:

☐ Keep Disk Names

☐ Keep Hardware UUIDs

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Cancel

Clone Virtual Machine

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✕



Clone type

Please choose the type of clone you wish to create.

If you choose **Full clone**, an exact copy (including all virtual hard disk files) of the original virtual machine will be created.

If you choose **Linked clone**, a new machine will be created, but the virtual hard disk files will be tied to the virtual hard disk files of original machine and you will not be able to move the new virtual machine to a different computer without moving the original as well.

If you create a **Linked clone** then a new snapshot will be created in the original virtual machine as part of the cloning process.

☒ Full clone

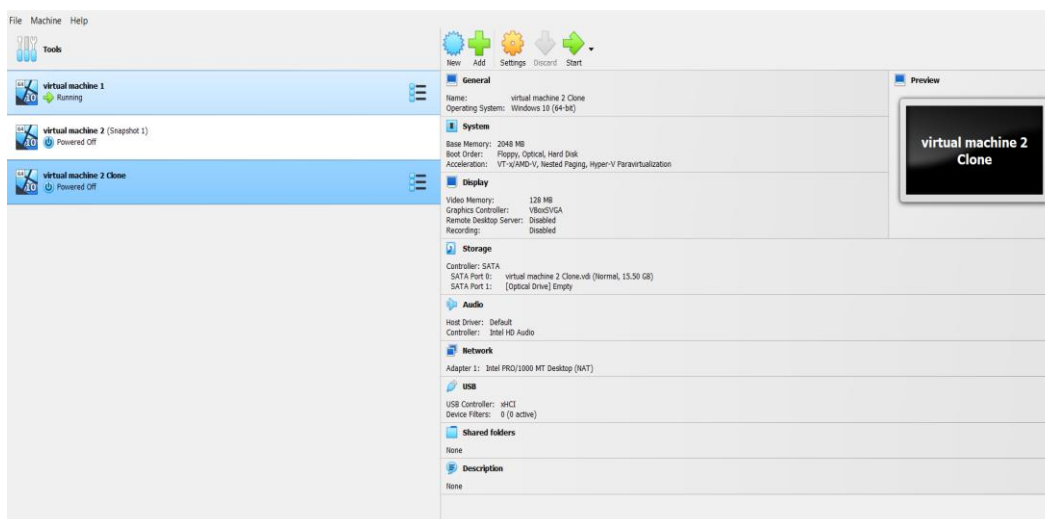
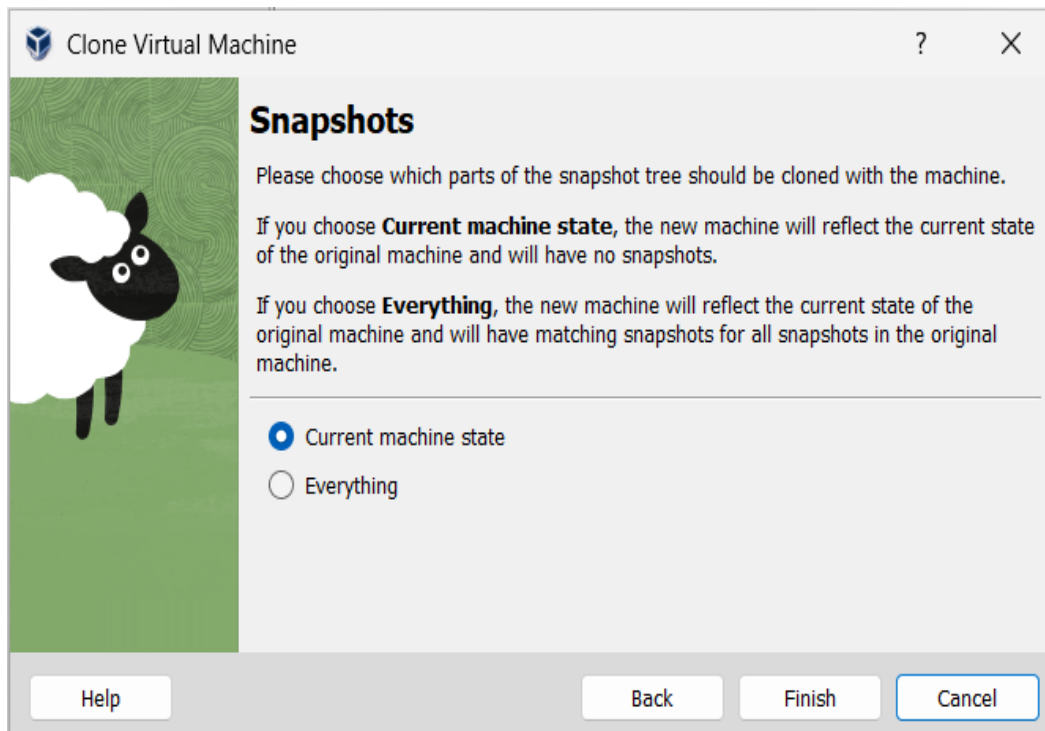
☐ Linked clone

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Cancel



Result:

The VM was successfully cloned in VirtualBox. The cloned VM started and functioned correctly, demonstrating independent operation and the cloning feature for testing or backup purposes.