

Objective: This task introduces you to creating snapshots and clones of virtual machines.

Scenario: Maintaining backups and test environments is crucial for virtual machine management. This task will guide you through capturing virtual machine snapshots and creating clones from those snapshots.

Completion Criteria: You successfully create a snapshot of a both virtual machine (Ubuntu 20.04 and OpenSUSE Leap 15) using Oracle Virtual Box.

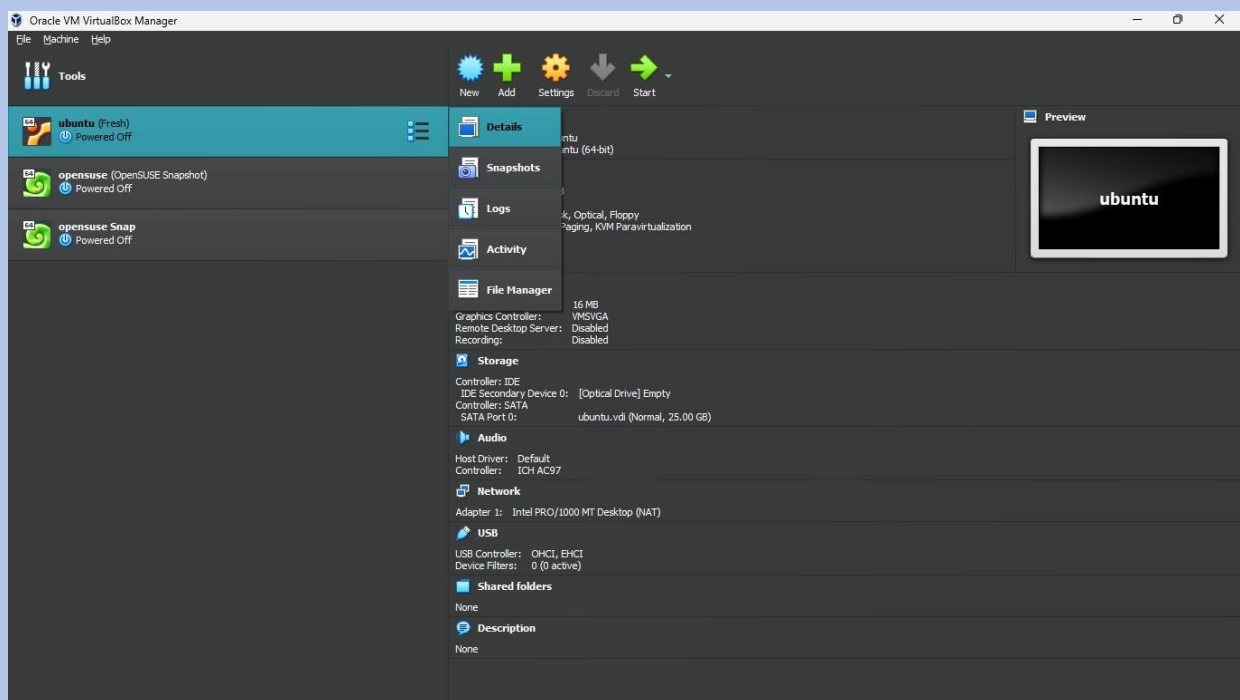
- Try to create a clone from the newly created snapshot.

Step-by-Step Guide to Creating Snapshots and Clones Ubuntu.

Step 1: Open Oracle VirtualBox

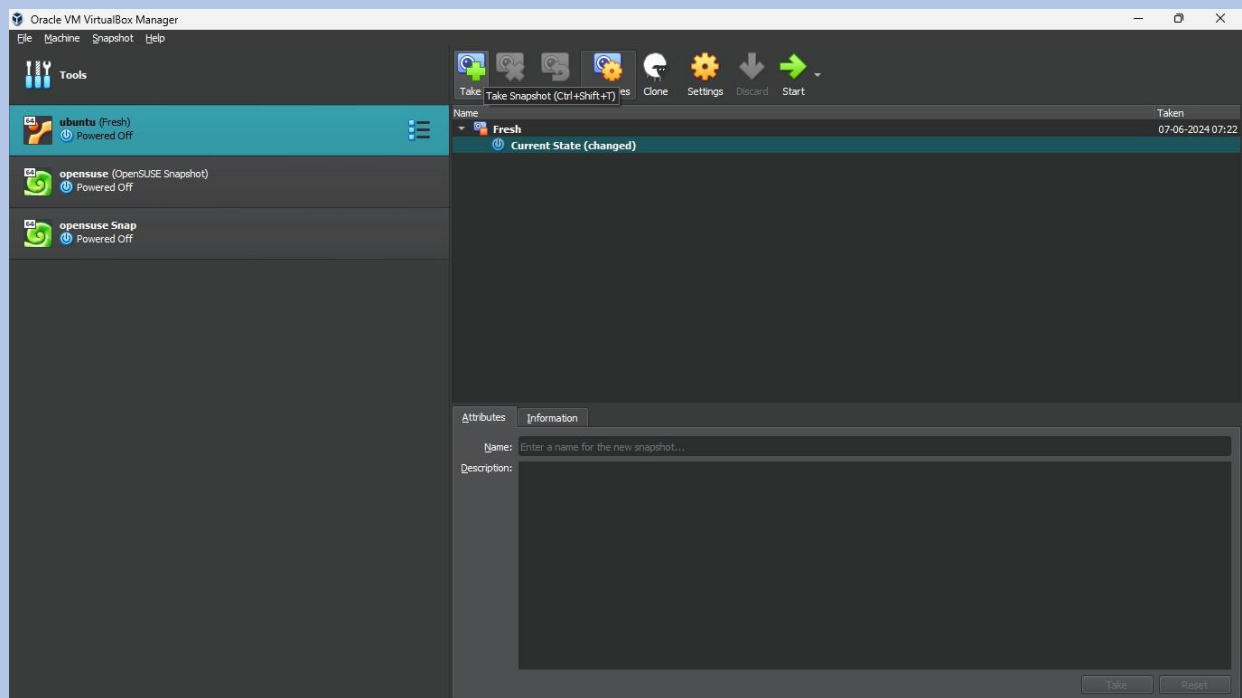
1. Launch Oracle VirtualBox:

- Open Oracle VirtualBox from your applications menu or desktop shortcut.
- Create a Snapshot
- Take a Snapshot



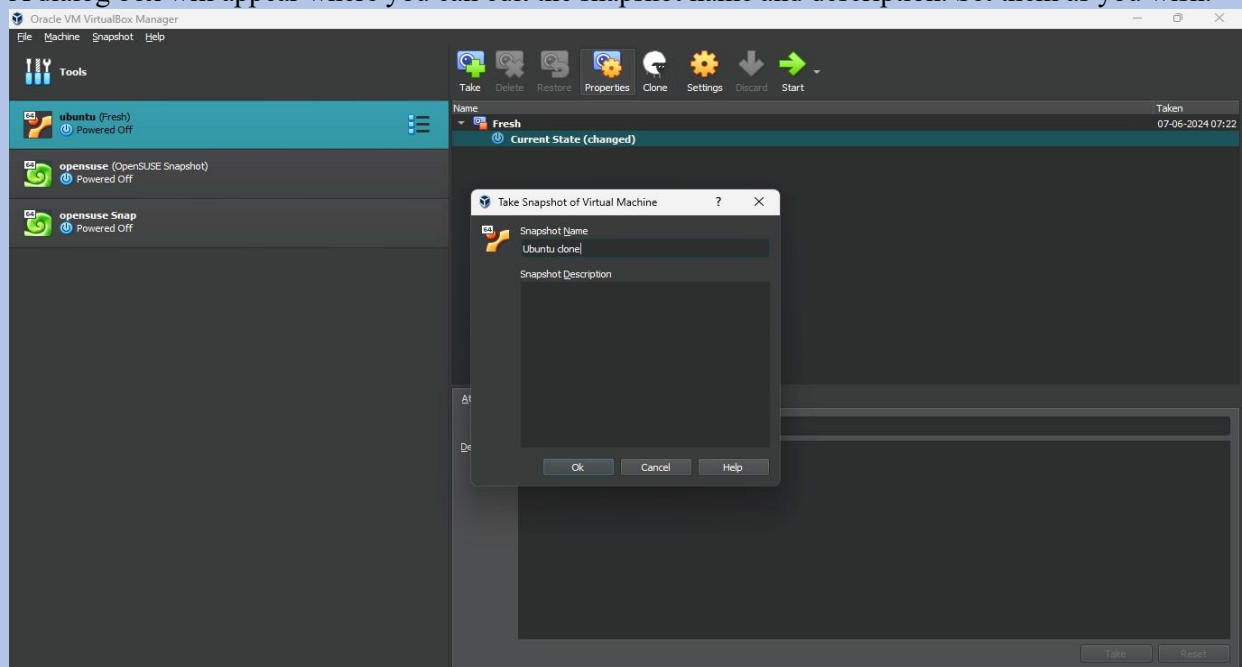
Step 2:

- Open Snapshots Pane
- Locate and click the "Take" button (camera icon) within the Snapshots pane.



Step 3:

A dialog box will appear where you can edit the snapshot name and description. Set them as you wish.



Step 4:

Select the Virtual Machine:

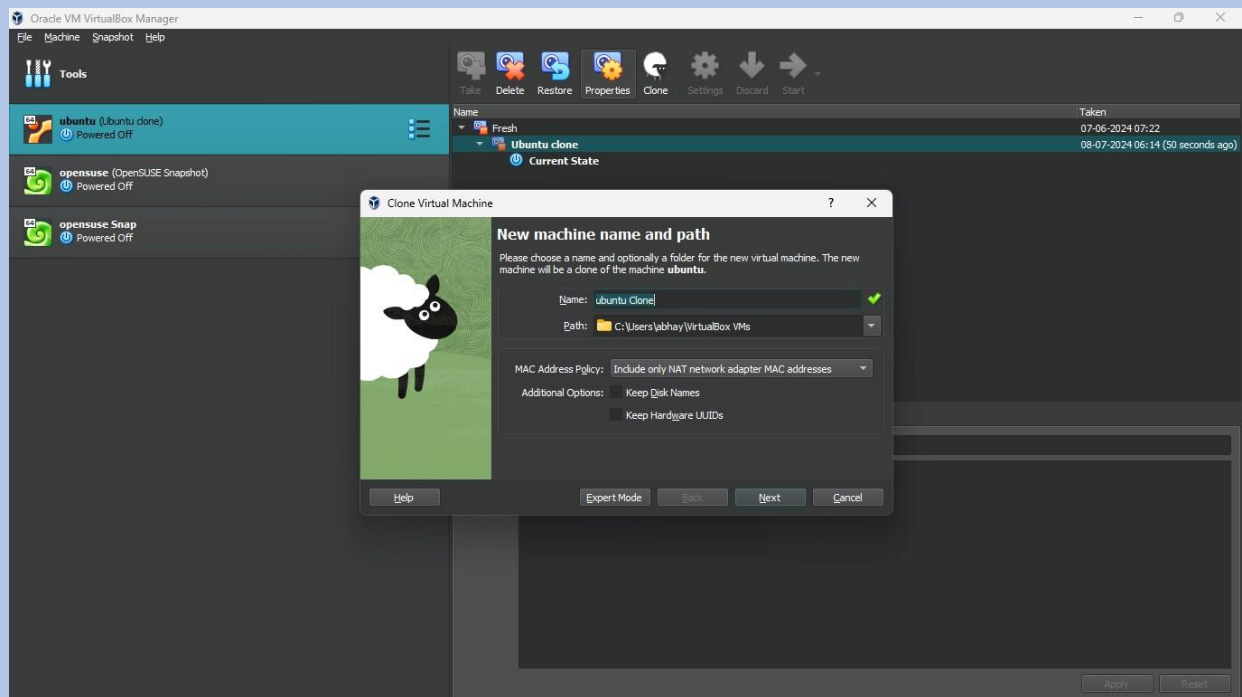
- Select the Ubuntu 20.04 VM from the list.

□ **Initiate Clone Creation:**

- Right-click the VM and select "Clone."

□ **Fill Out Clone Details:**

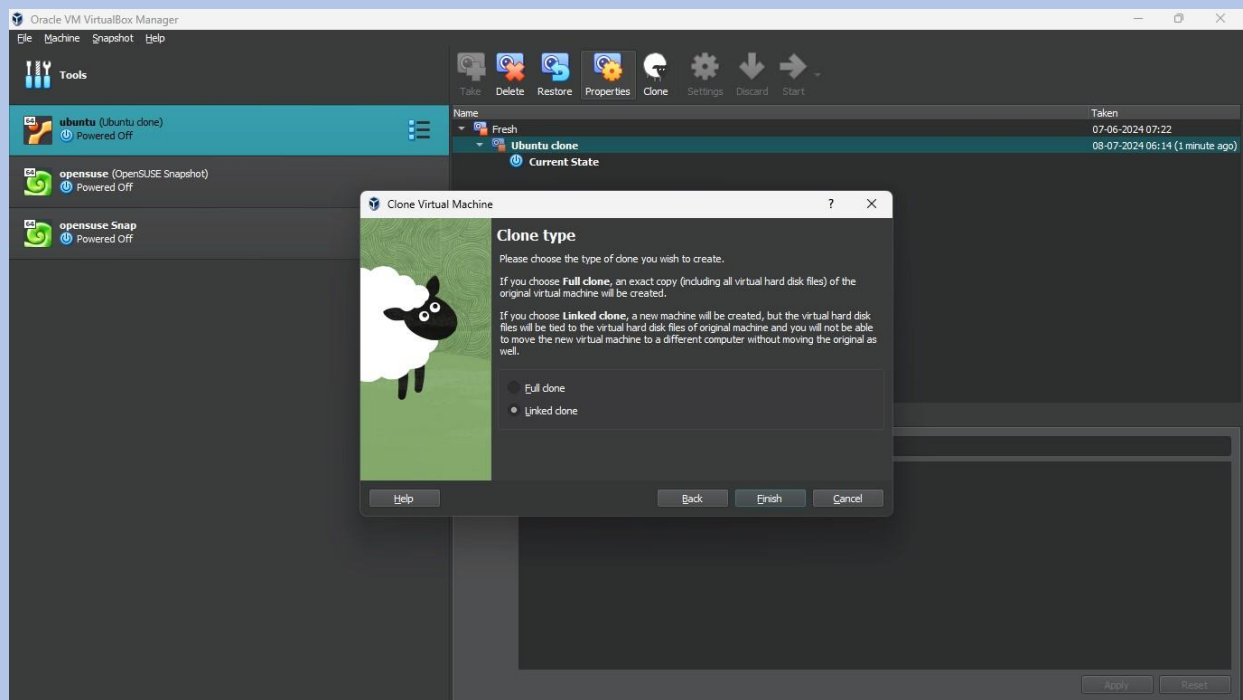
- Click "Clone."
- Enter the name and path for the new VM created from the snapshot.



Step 5: Enter the name and path for the new VM.

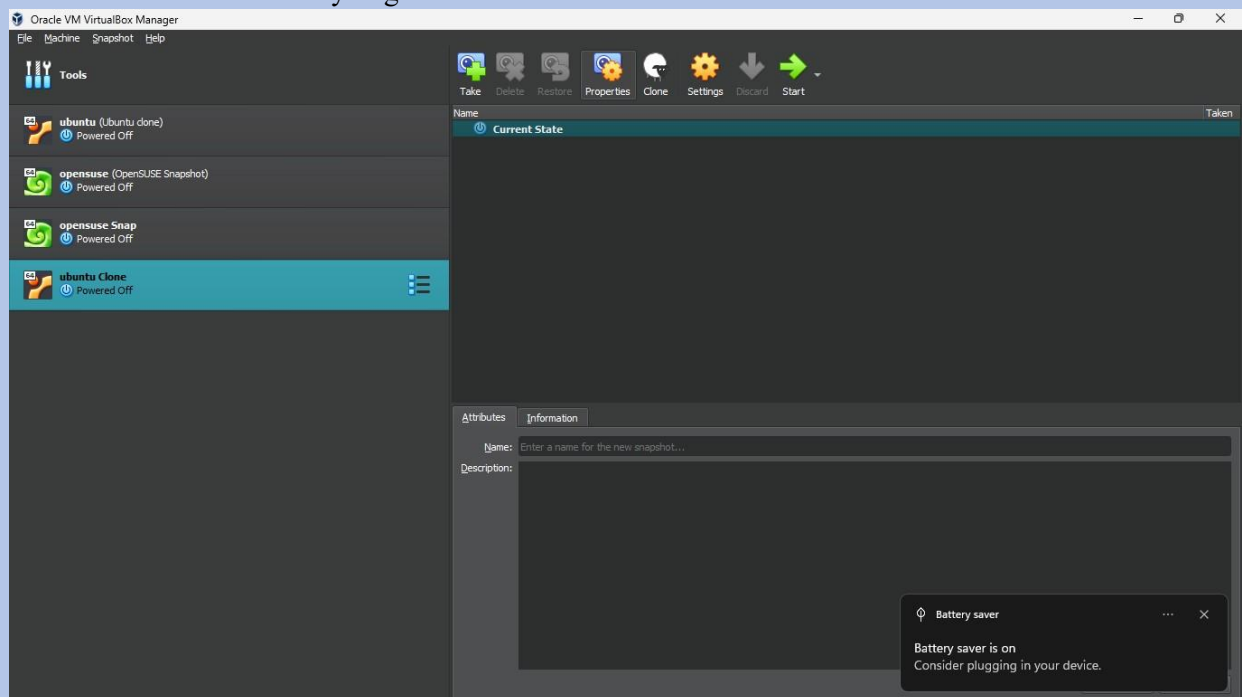
Choose between:

- **Full Clone:** Complete copy.
- **Linked Clone:** Shares disk space with the original VM.



Step 6:

The cloned VM is now ready to go



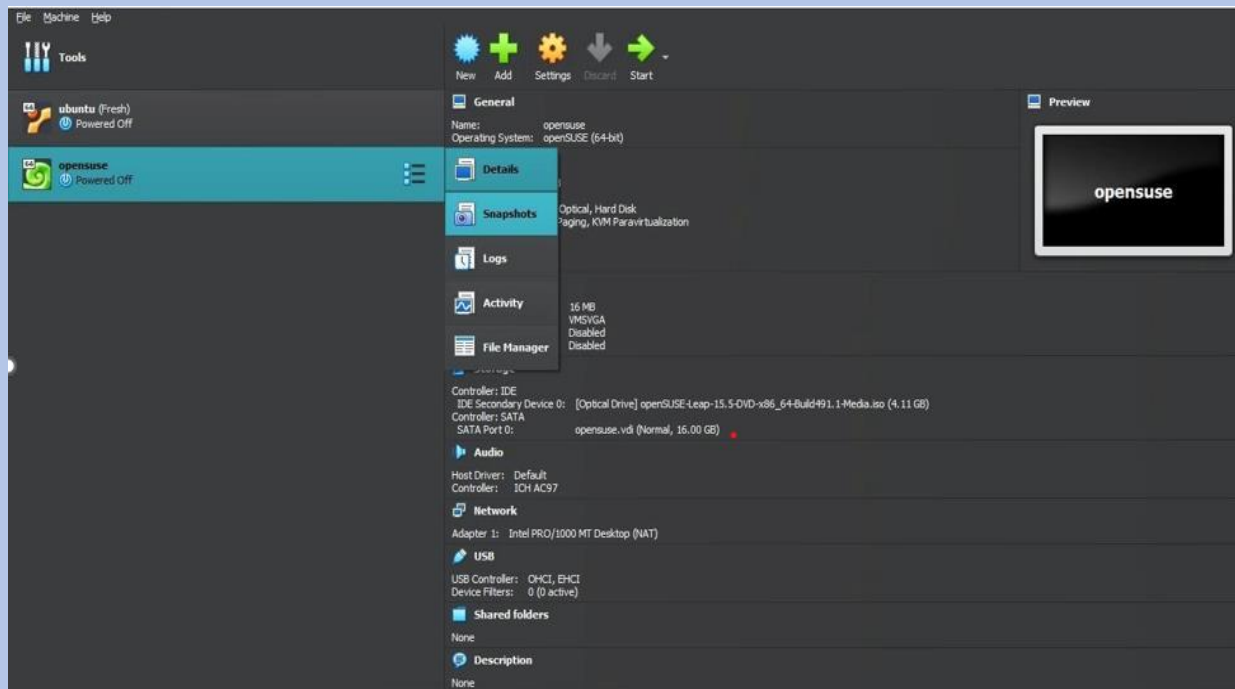
Step-by-Step Guide to Creating Snapshots and Clones OpenSUSE

Step 1: Open Oracle VirtualBox

1. Launch Oracle VirtualBox:

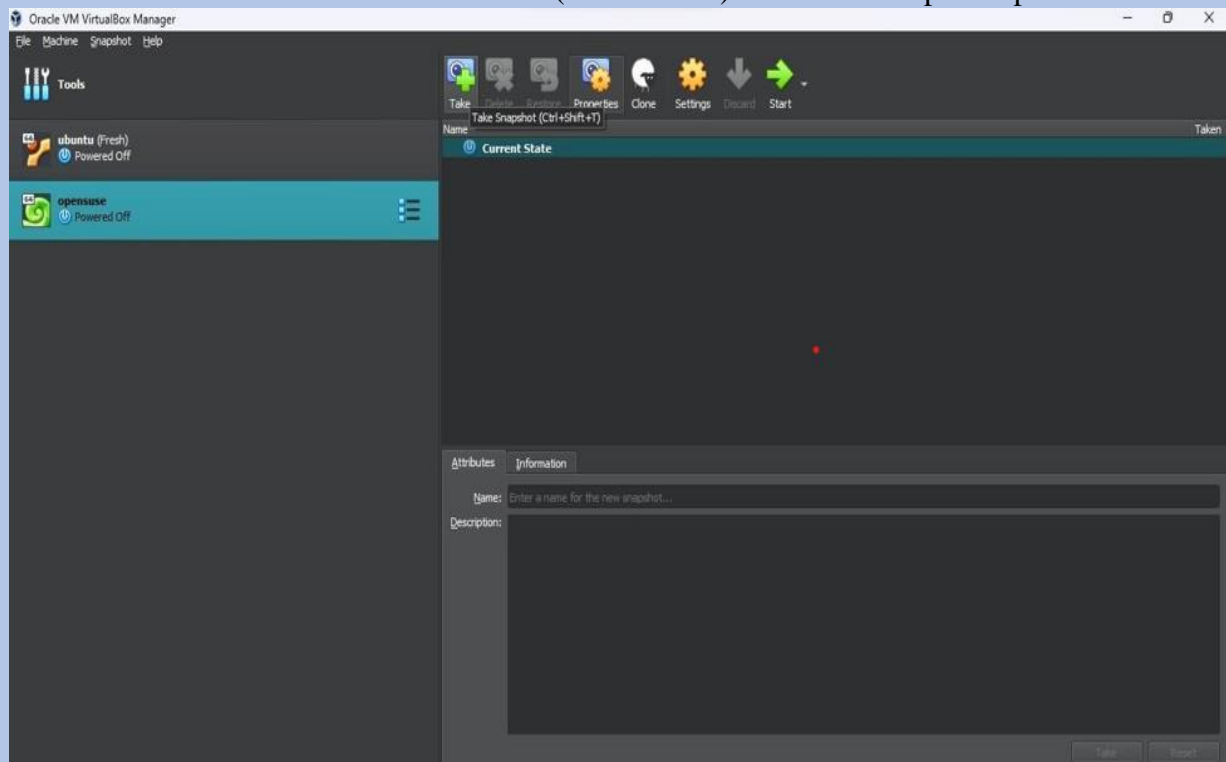
- Open Oracle VirtualBox from your applications menu or desktop shortcut.
- Create a Snapshot

- Take a Snapshot

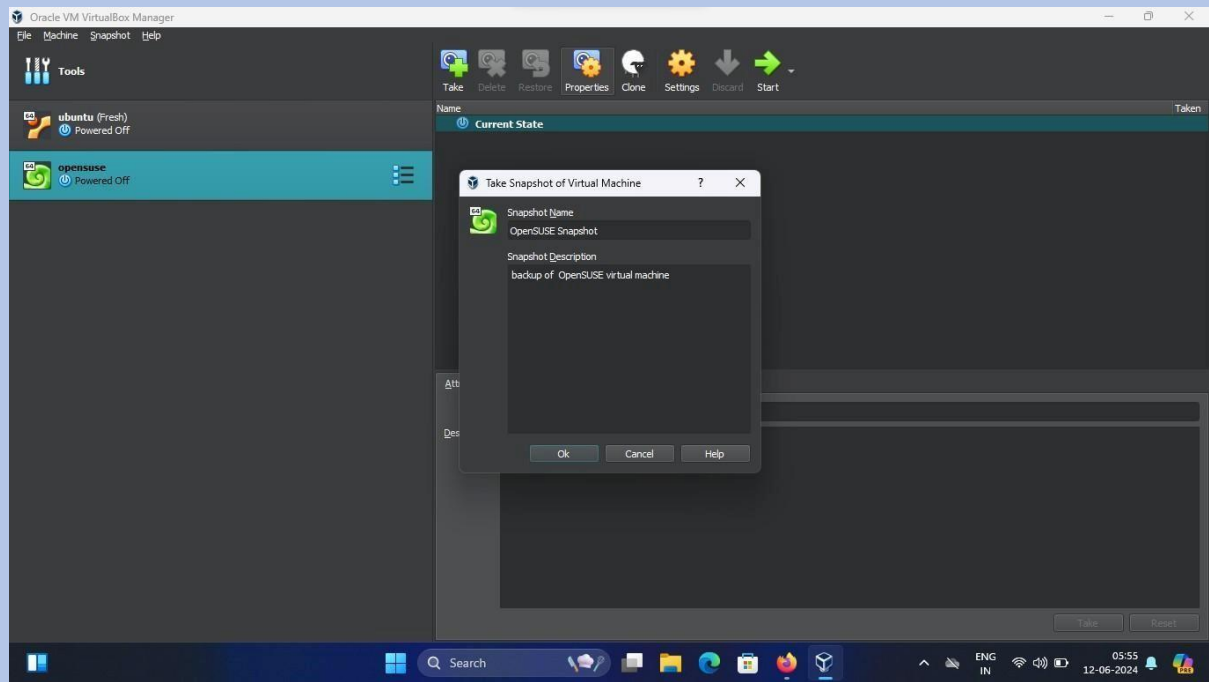


Step 2:

- Open Snapshots Pane
- Locate and click the "Take" button (camera icon) within the Snapshots pane.



Step3: A dialog box will appear where you can edit the snapshot name and description. Set them as you wish.



Step 4:

Select the Virtual Machine:

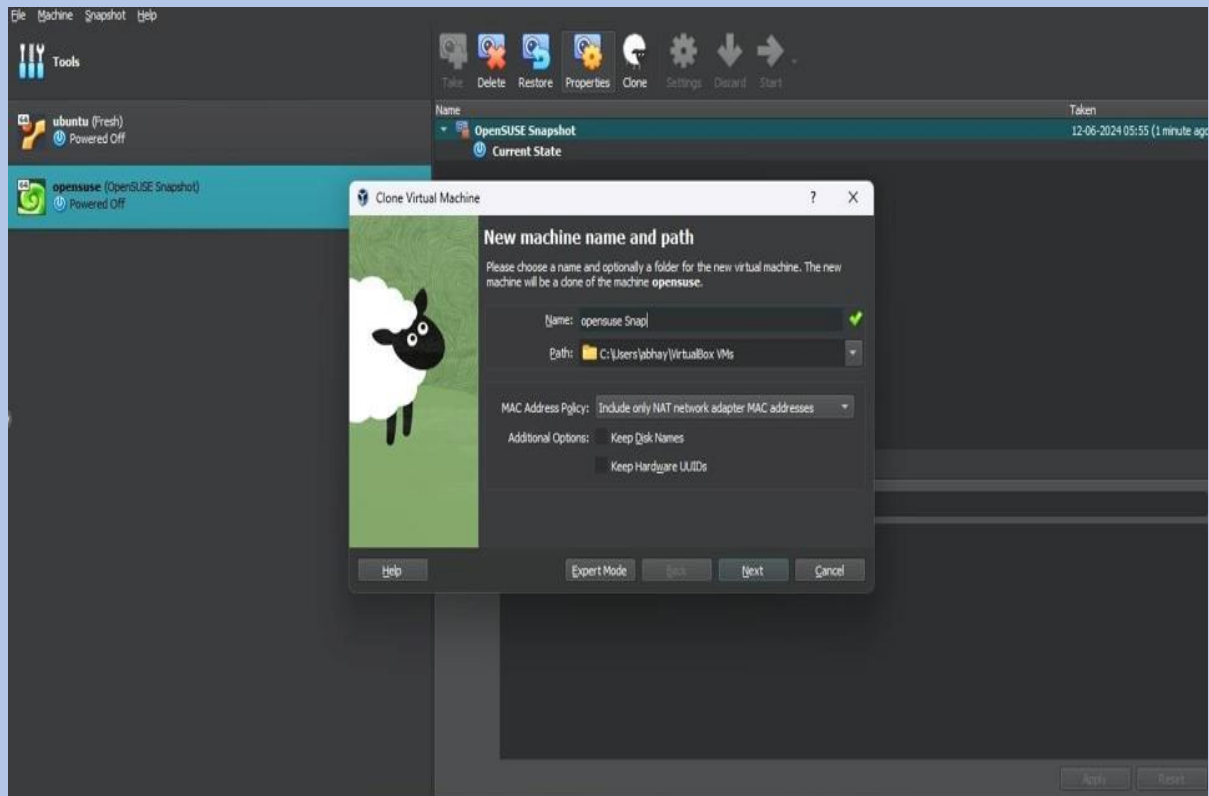
- Select the Ubuntu 20.04 VM from the list.

Initiate Clone Creation:

- Right-click the VM and select "Clone."

Fill Out Clone Details:

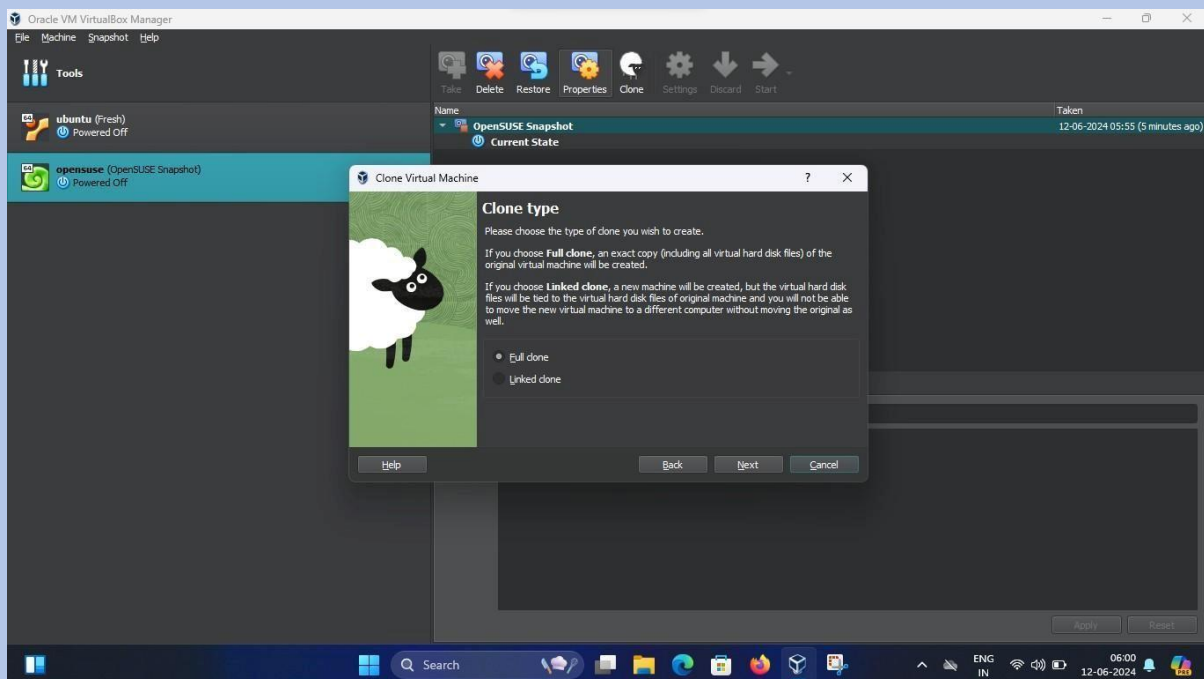
- Click "Clone."
- Enter the name and path for the new VM created from the snapshot.



Step 5: Enter the name and path for the new VM.

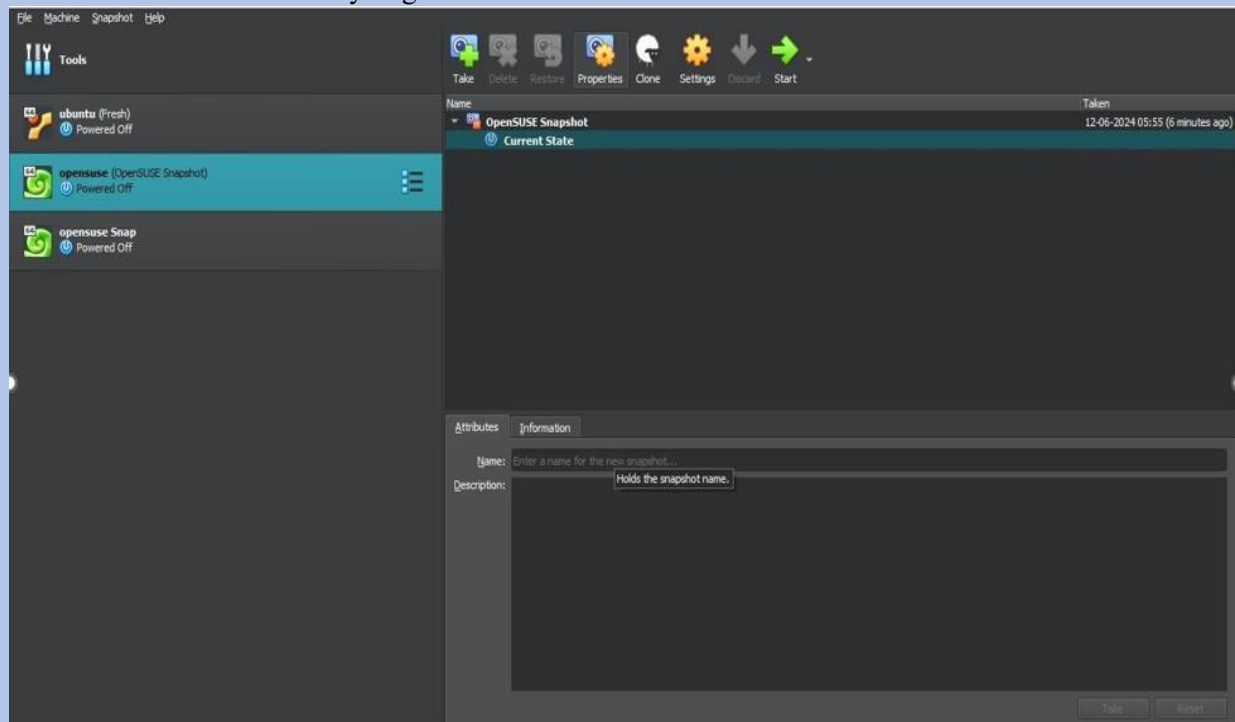
Choose between:

- **Full Clone:** Complete copy.
- **Linked Clone:** Shares disk space with the original VM.



Step 6:

The cloned VM is now ready to go



Key Takeaways:

1. **Snapshots:** Snapshots provide a quick and efficient way to save the state of a VM at a specific point in time, allowing you to revert to that state if needed.
2. **Clones:** Clones allow you to create independent or dependent copies of your VMs, useful for testing and development without affecting the original VM.
3. **Full vs. Linked Clones:** Understanding the difference between full clones and linked clones helps you choose the appropriate cloning method based on your needs and available resources

Conclusion:

Successfully managing virtual machines involves ensuring you have reliable backups and test environments. By following the outlined steps, you have learned how to create snapshots and clones of your virtual machines using Oracle VirtualBox. These steps included selecting the appropriate virtual machine, taking a snapshot to capture its current state, and creating a clone from that snapshot.