

#110051 - Manage Virtual Machine Snapshots and Create Clones

Scenario:

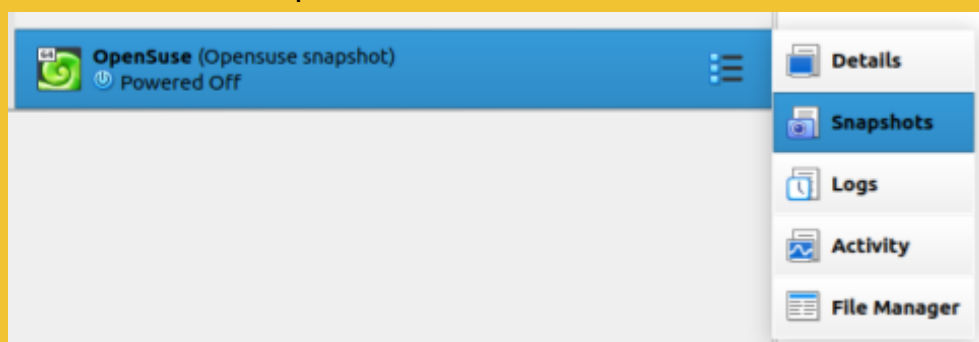
Maintaining backups and test environments is crucial for virtual machine management. This task will guide you through capturing virtual machine snapshots and creating clones from those snapshots.

Solution :-

Taking Snapshot and Creating Clone of Opensuse Leap 15

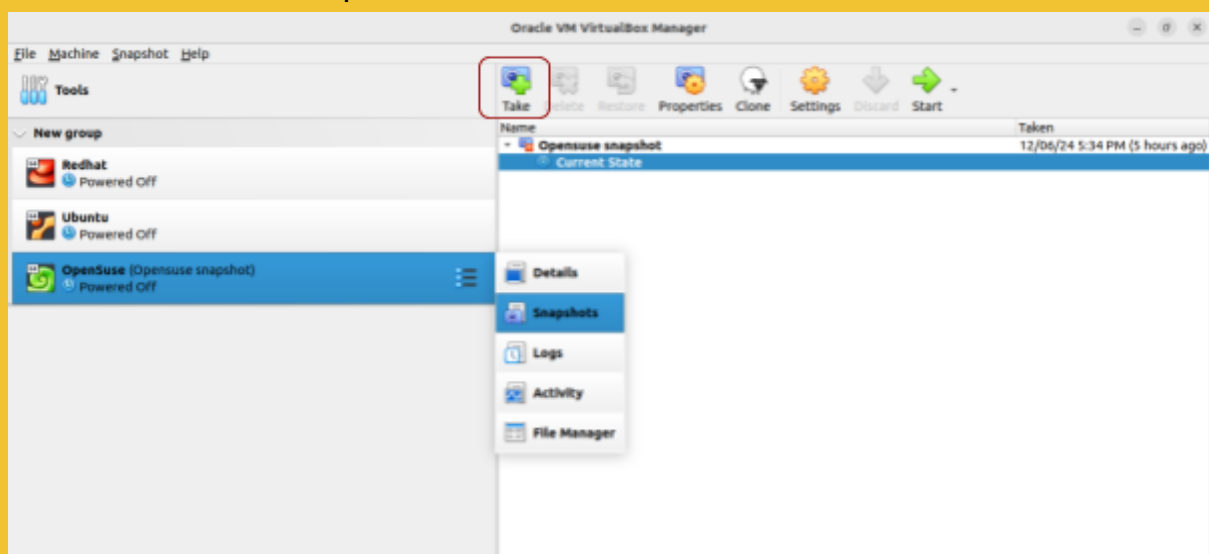
Step 1: Open Oracle VirtualBox and Select Snapshots of OpenSuse.

- Select Opensuse Vm and Click on menu option.
- Click on Snapshots.



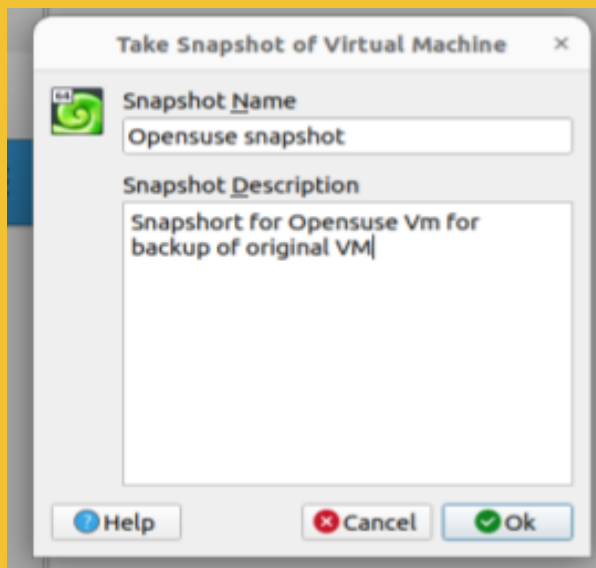
Step 2: Select Take Option.

- Click on Take Option.



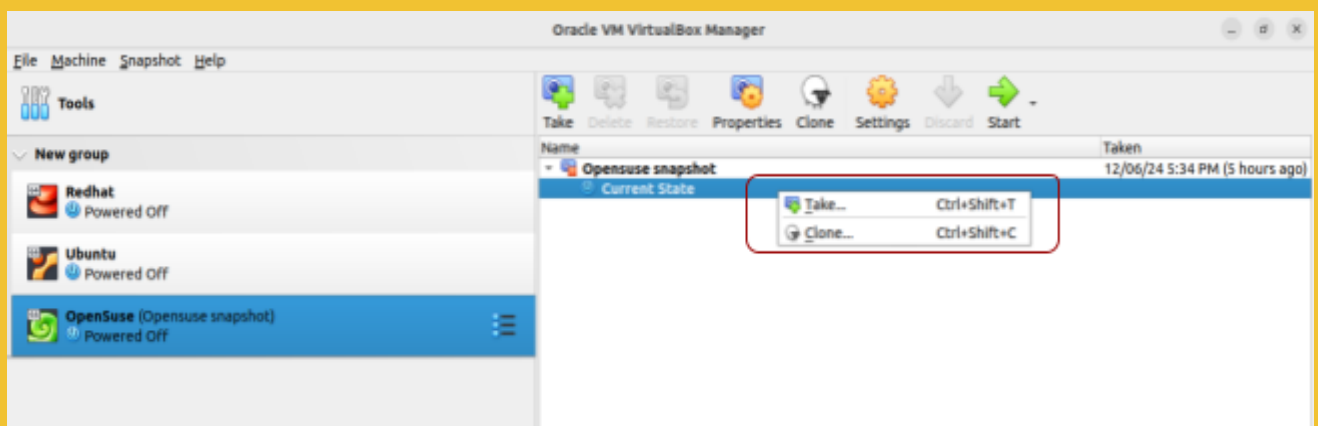
Step 3: Snapshot Name.

- Give Name and Description to Snapshot.
- Click **Ok**.



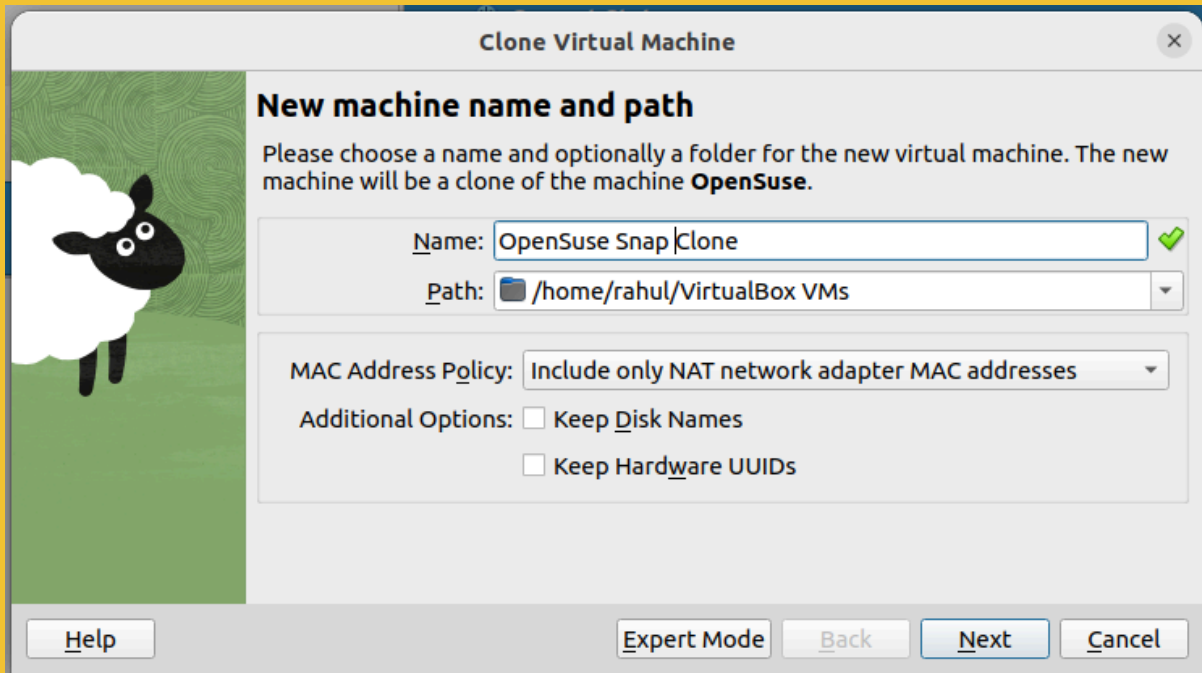
Step 4: Clone the Snapshot.

- Right click on Opensuse snapshot.
- Select **Clone**.



Step 5: Clone Virtual Machine

- Name the Clone VM and Select the location.
- Click **Next**.



The screenshot shows the 'Clone Virtual Machine' dialog box with the title bar 'Clone Virtual Machine'. On the left is a green field with a white sheep. The main area is titled 'New machine name and path' and contains the text: 'Please choose a name and optionally a folder for the new virtual machine. The new machine will be a clone of the machine **OpenSuse**.' Below this are two input fields: 'Name:' with the text 'OpenSuse Snap Clone' and a green checkmark icon, and 'Path:' with a folder icon and the text '/home/rahul/VirtualBox VMs'. Below these is a 'MAC Address Policy:' dropdown menu set to 'Include only NAT network adapter MAC addresses'. Underneath are two unchecked checkboxes: 'Keep Disk Names' and 'Keep Hardware UUIDs'. At the bottom are four buttons: 'Help', 'Expert Mode', 'Back', and 'Next' (highlighted in blue), and 'Cancel'.

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 **OpenSuse**.

Name: OpenSuse Snap Clone ✓

Path: /home/rahul/VirtualBox VMs

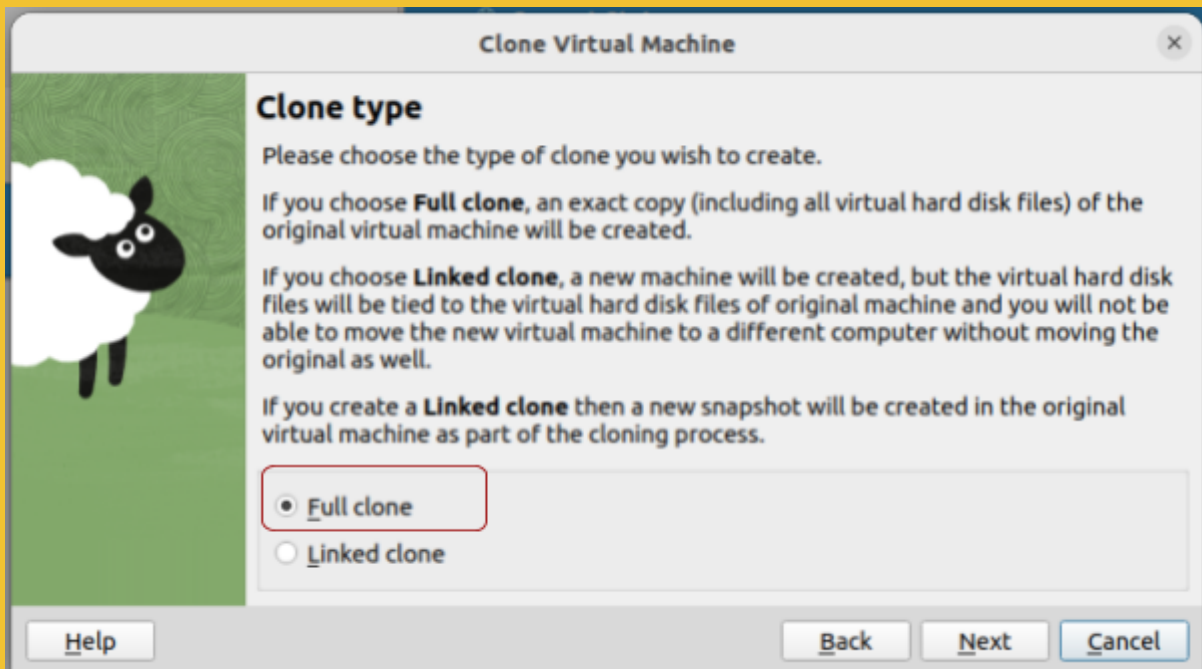
MAC Address Policy: Include only NAT network adapter MAC addresses

Additional Options: ☐ Keep Disk Names
☐ Keep Hardware UUIDs

Help Expert Mode Back Next Cancel

Step 6: Clone type

- Select **Full clone**.
- Click **Next**.



The screenshot shows the 'Clone Virtual Machine' dialog box with the title bar 'Clone Virtual Machine'. On the left is a green field with a white sheep. The main area is titled 'Clone type' and contains the text: 'Please choose the type of clone you wish to create.' Below this are three paragraphs explaining the options: 'Full clone' (exact copy), 'Linked clone' (tied to original files), and 'Linked clone' (creates a snapshot). At the bottom are two radio buttons: 'Full clone' (selected and highlighted with a red box) and 'Linked clone'. At the bottom are four buttons: 'Help', 'Back', 'Next' (highlighted in blue), and 'Cancel'.

Clone Virtual Machine

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.

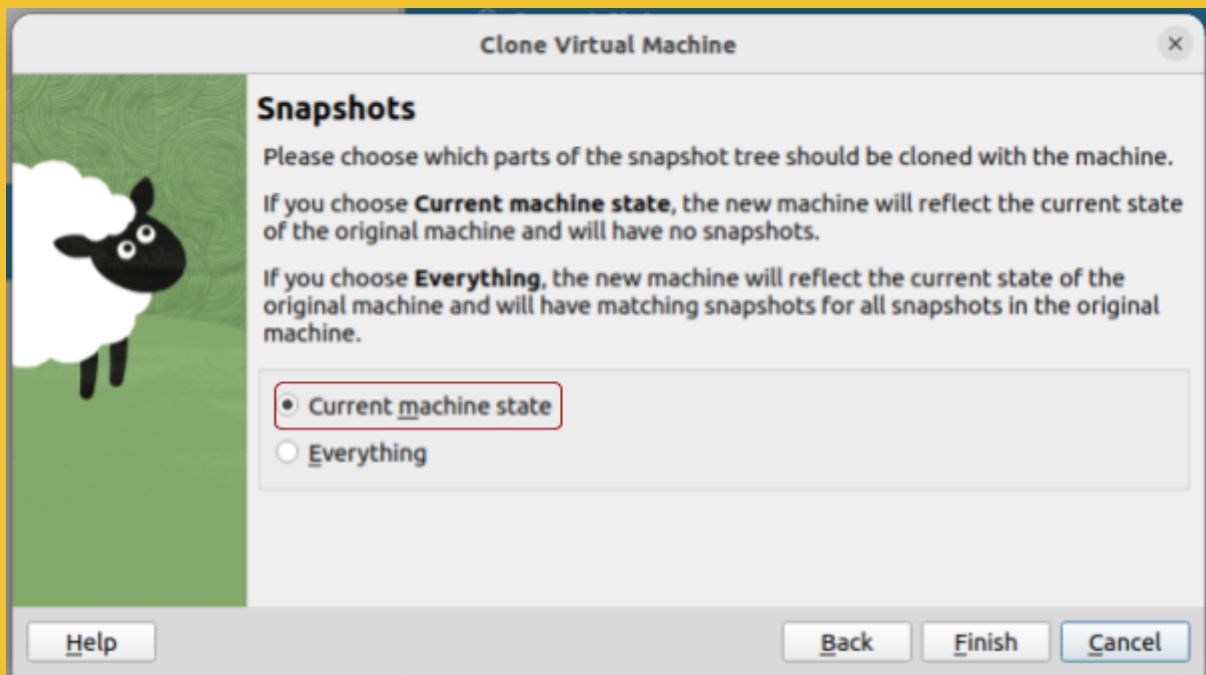
☒ Full clone

☐ Linked clone

Help Back Next Cancel

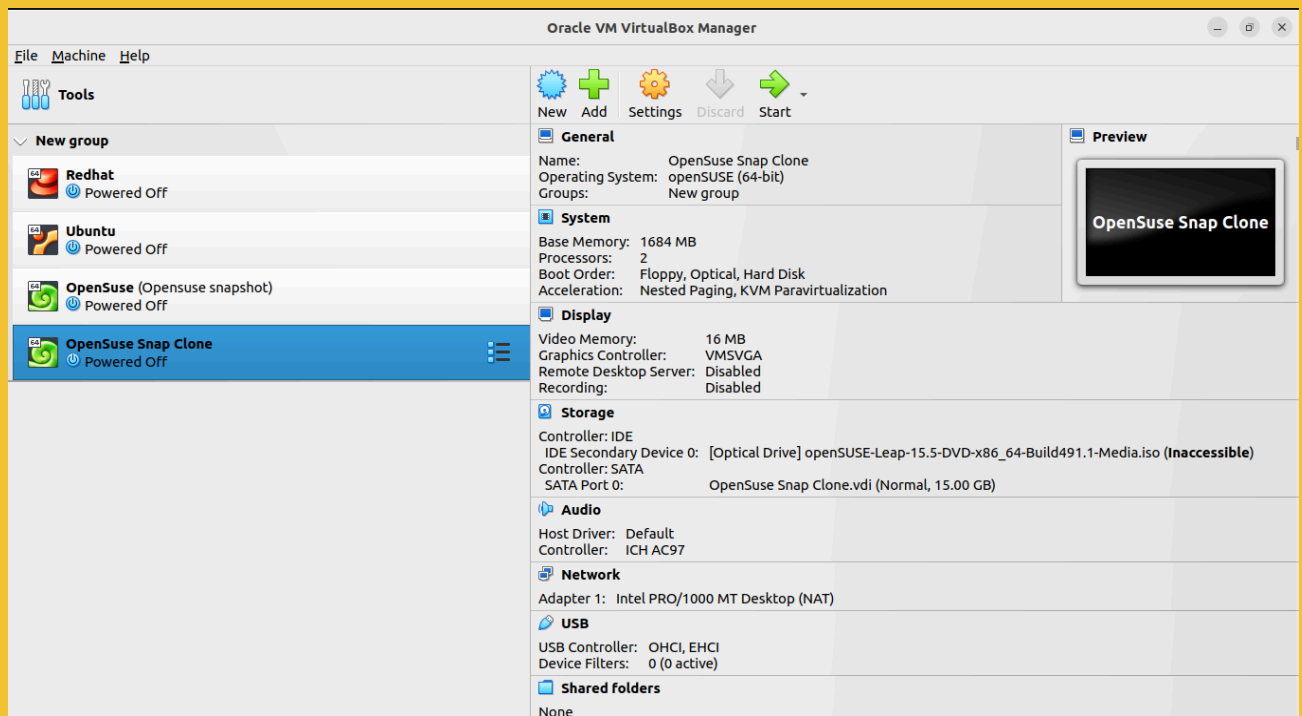
Step 7: Snapshots

- Select **Current machine state**.
- Click **Finish**.



Step 8: Clone VM

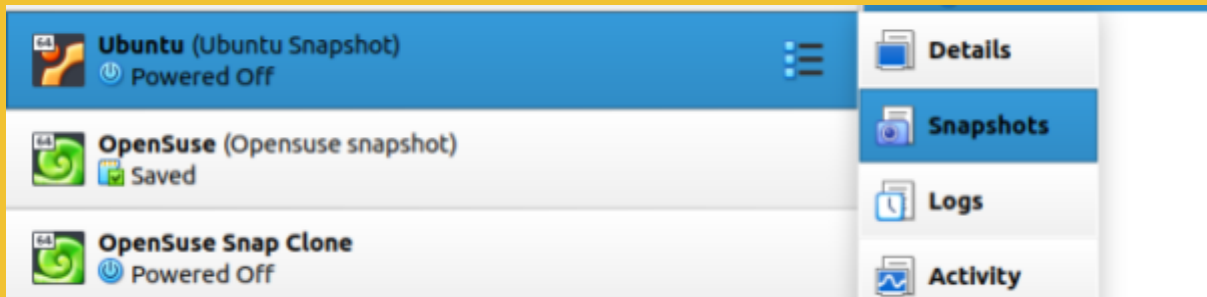
- Clone VM of Opensuse is ready.



Taking Snapshot and Creating Clone of Ubuntu 20.04

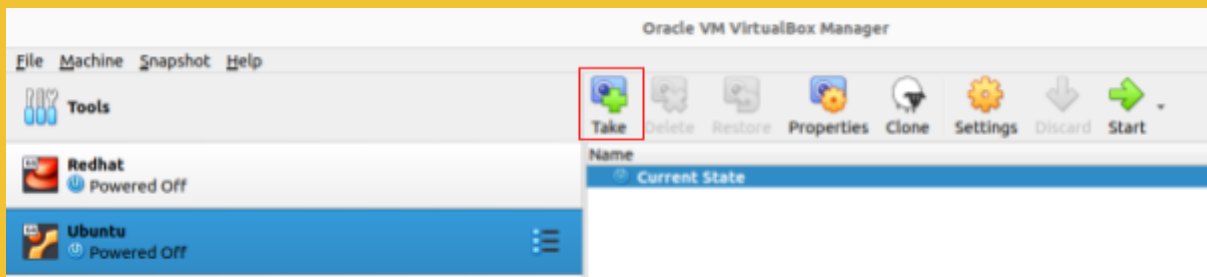
Step 1: Open Oracle VirtualBox and Select Snapshots of Ubuntu.

- Select Ubuntu Vm and Click on the menu option.
- Click on Snapshots.



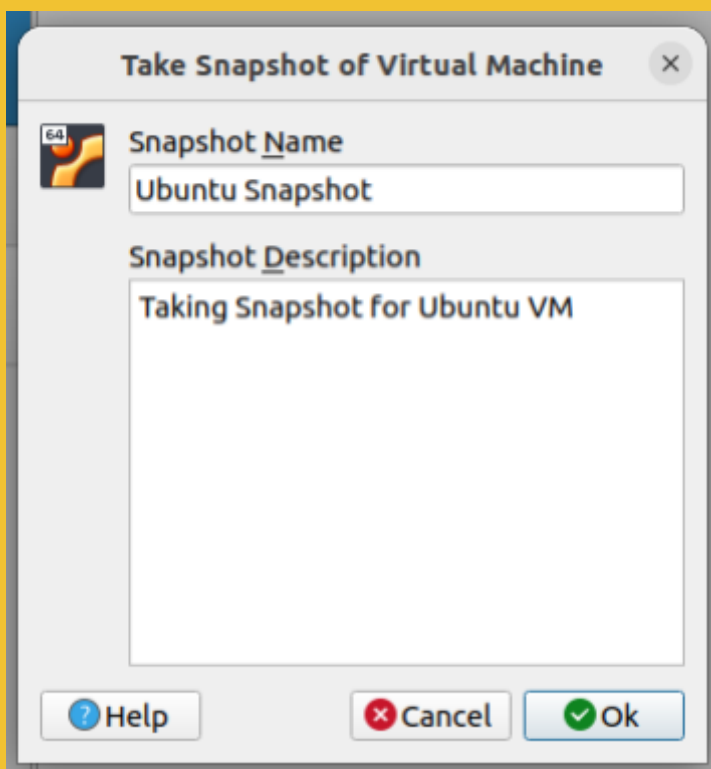
Step 2: Select Take Option.

- Click on Take Option.



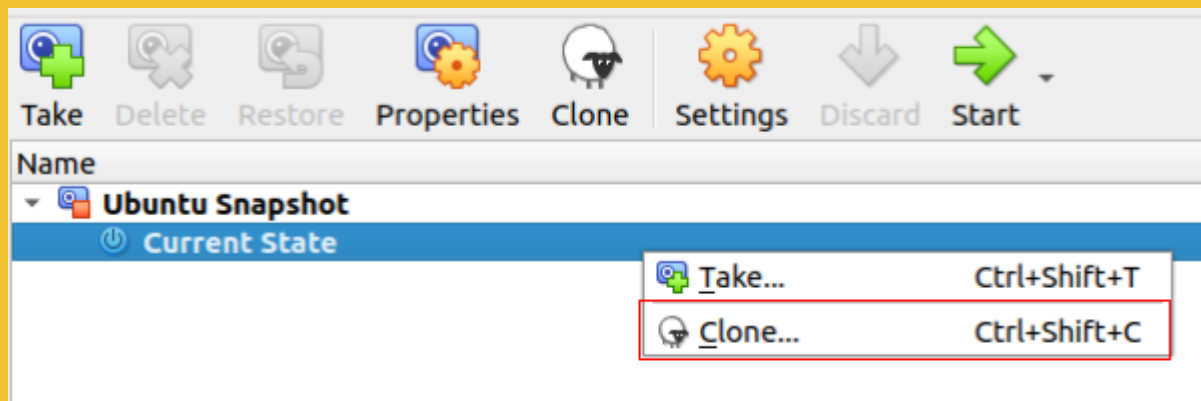
Step 3: Snapshot Name.

- Give Name and Description to Snapshot.
- Click **Ok**.



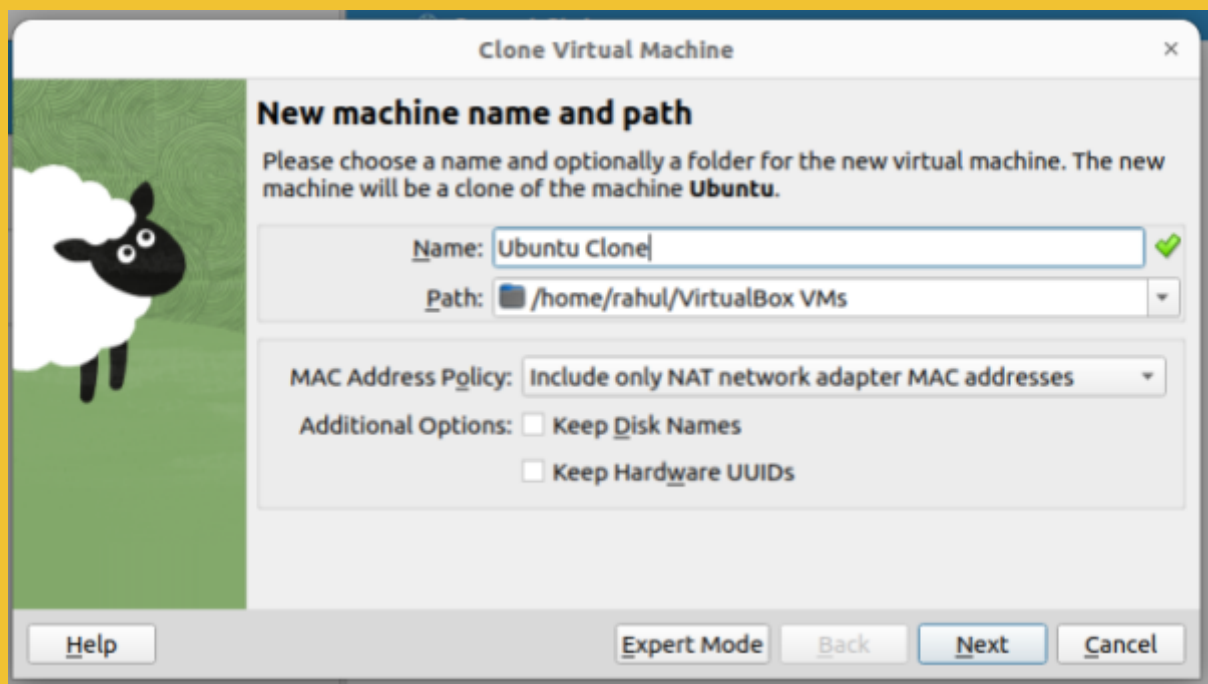
Step 4: Clone the Snapshot.

- Right click on Ubuntu snapshot.
- Select **Clone**.



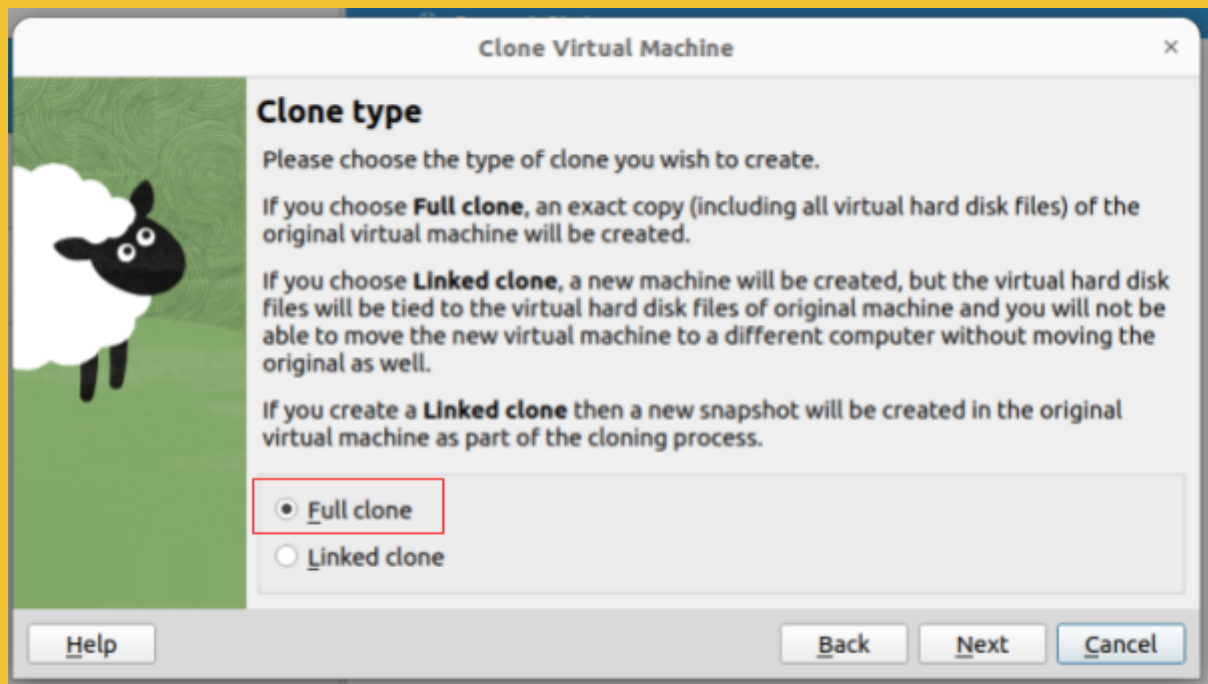
Step 5: Clone Virtual Machine

- Name the Clone VM and Select the location.
- Click **Next**.



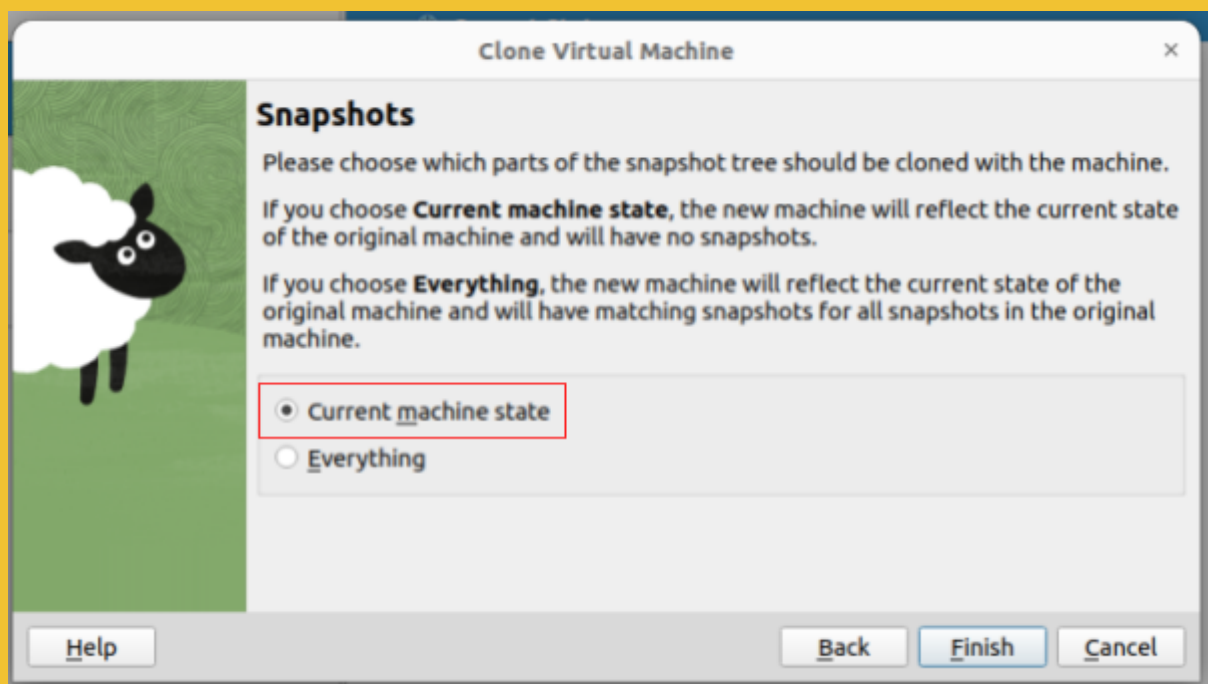
Step 6: Clone type

- Select **Full clone**.
- Click **Next**.



Step 7: Snapshots

- Select **Current machine state**.
- Click **Finish**.



Step 8: Clone VM

- Clone VM of Opensuse is ready.



Thank You..!

Name:- Rahul Sachin Sharma