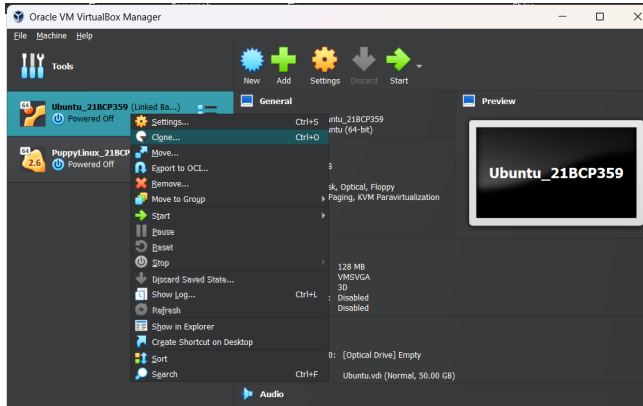# Lab 3 Assignment

To Install and configure VMware Workstation Pro or Oracle Virtual Box for creating Virtual Machines, cloning, and deleting VMs.
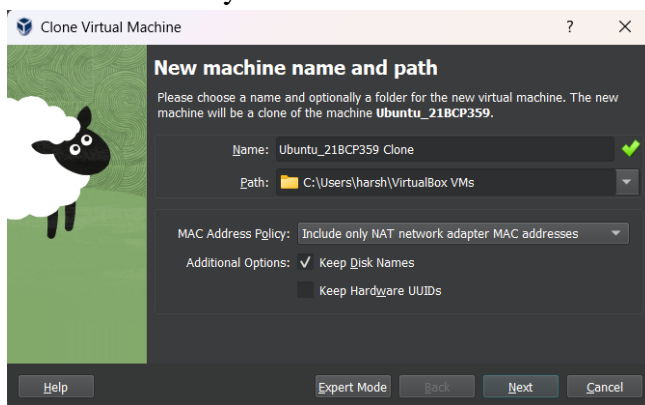
1. **Cloning of Virtual Machines:**
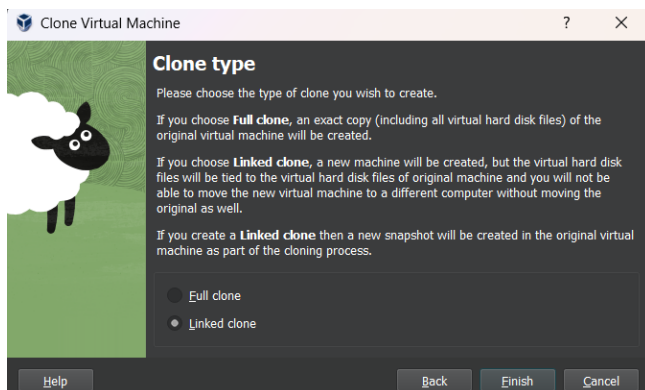   a. **Linked Cloning**

   - Right Click on VM and select clone
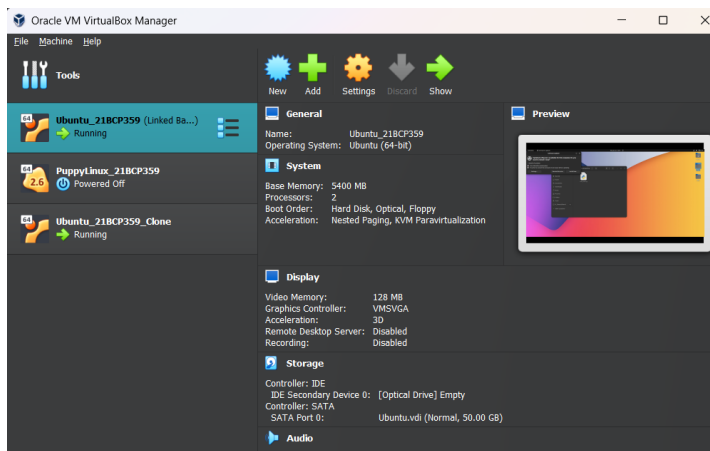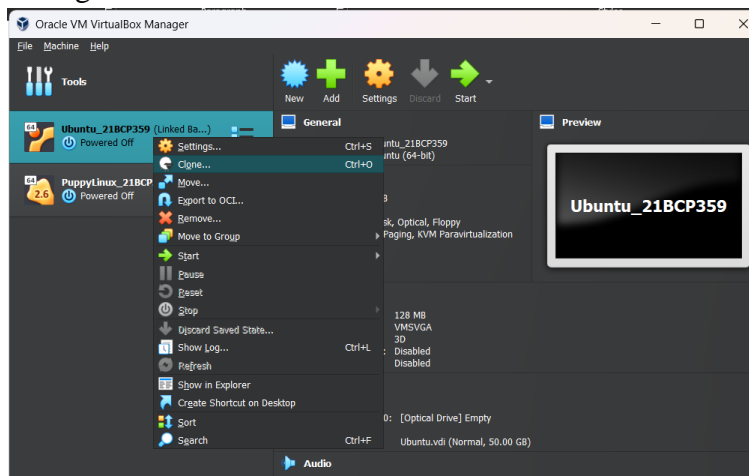

   - Give necessary details

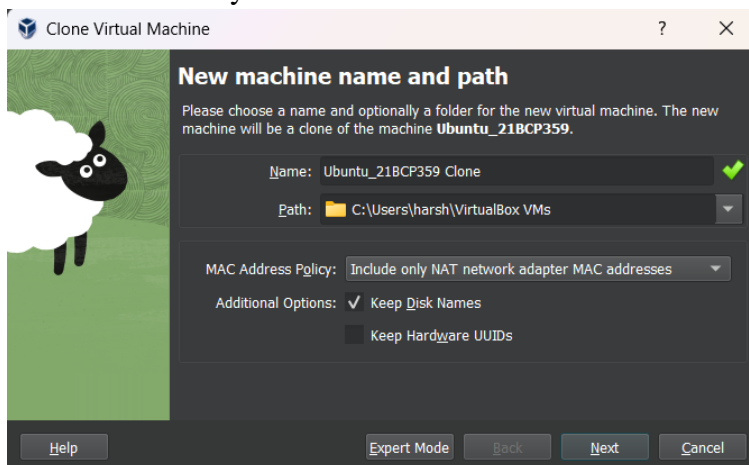   - Select Linked Clone
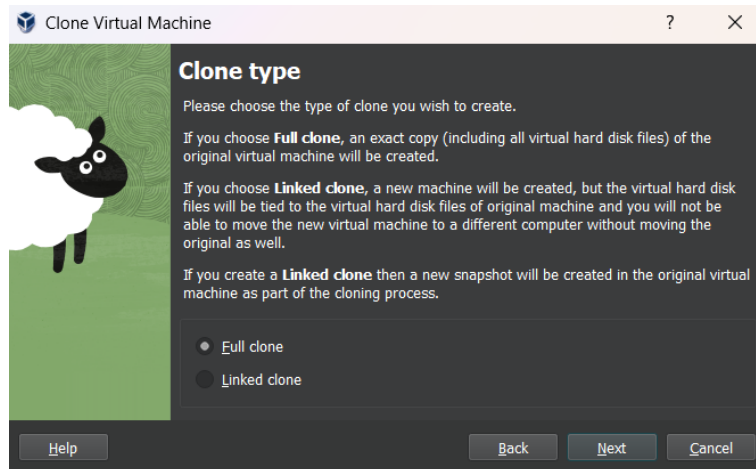
- The Linked Clone is Ready
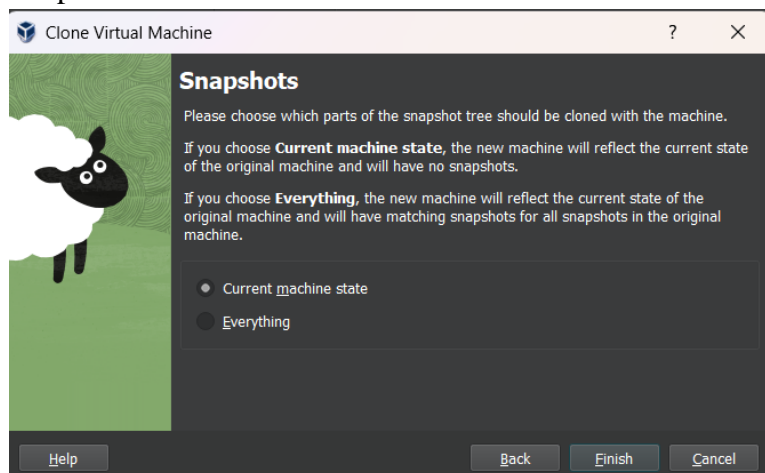

b. Full Cloning
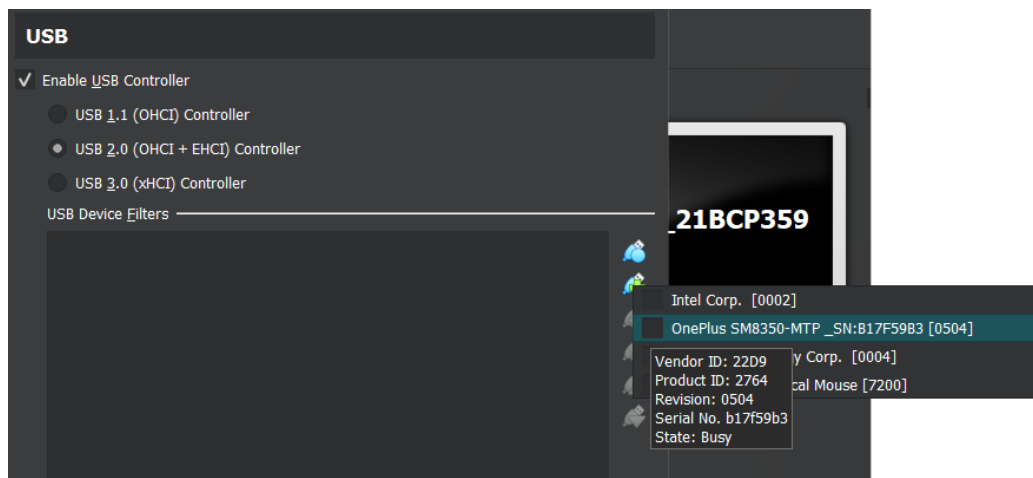   - Right Click on VM and select Clone

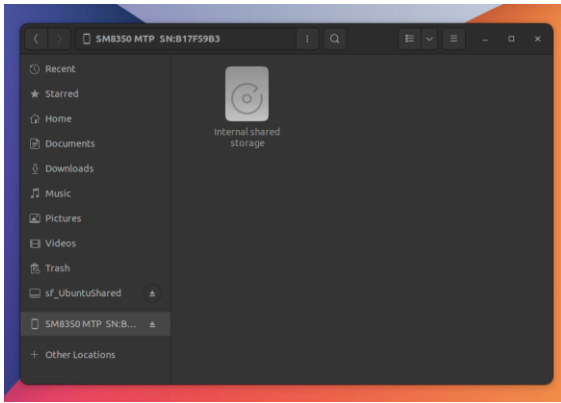- Give Necessary details

- Select Full Clone

- Snapshots: Select Current Machine State
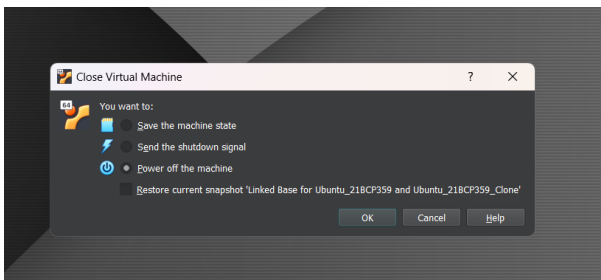

2. Add a USB Controller to Virtual Machine
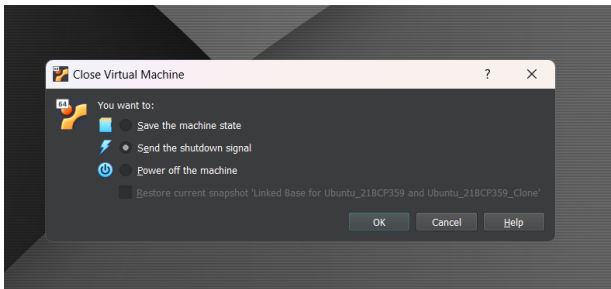
3. Closing Virtual Machines & Exiting VMM
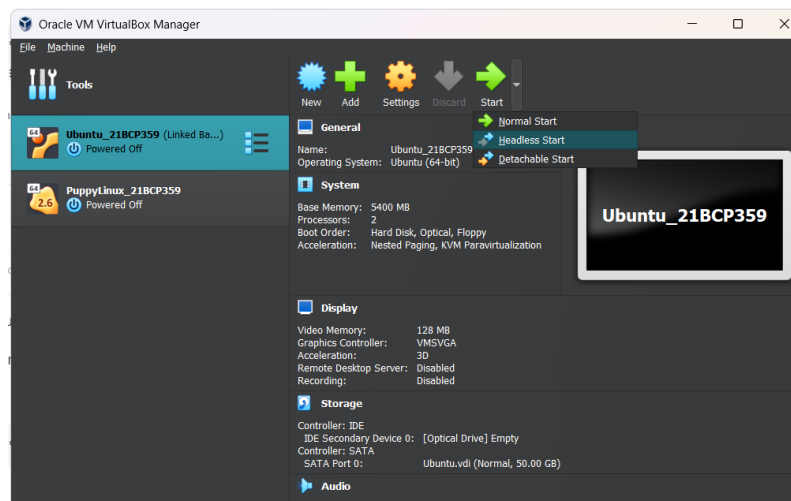
    a. Hard Power Off

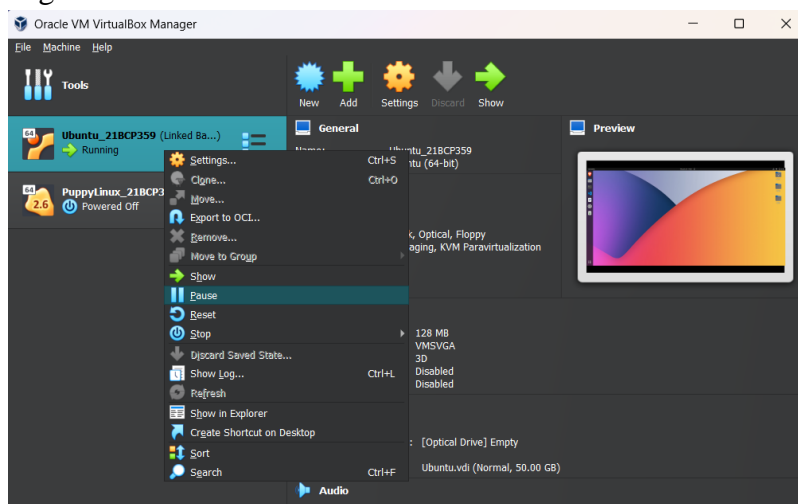
    b. Soft Power Off

    c. Configure Virtual Machine to Run in the Background

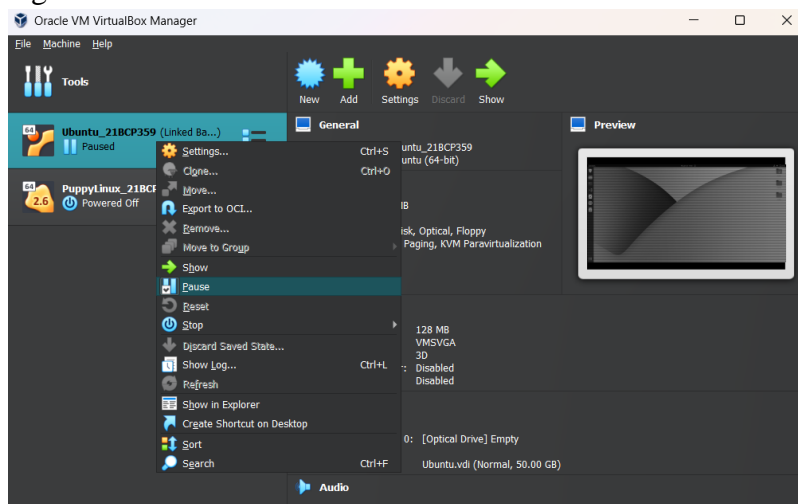- In Start menu of VM click Headless Start

d. Pause and Un-pause a Virtual Machine
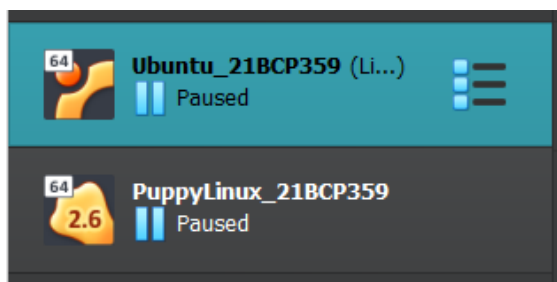Right click on VM and click Pause to Pause
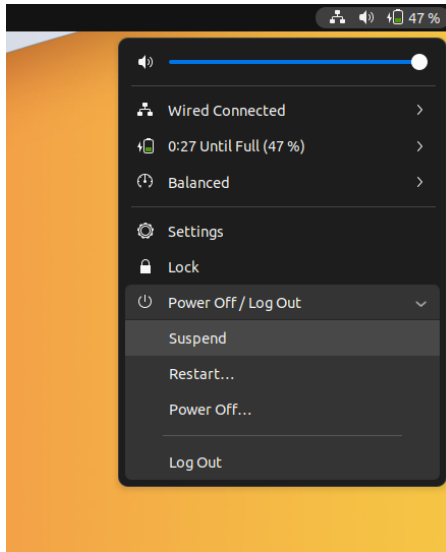

Again click Pause to Resume

e. Pause all Virtual Machine without interacting Virtual Box


```
C:\Users\harsh>VBoxManage controlvm "PuppyLinux_21BCP359" pause

C:\Users\harsh>VBoxManage controlvm "Ubuntu_21BCP359" pause

C:\Users\harsh>
```
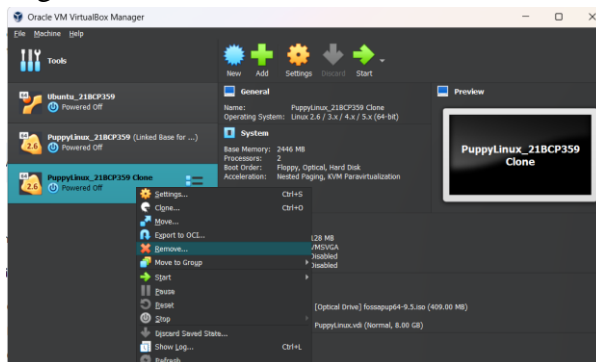
f. Suspend and Resume Virtual Machines

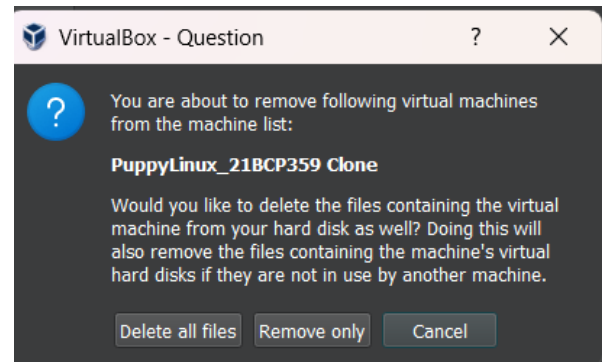In power menu of Guest OS click Suspend

4. Delete a Virtual Machine from the disk

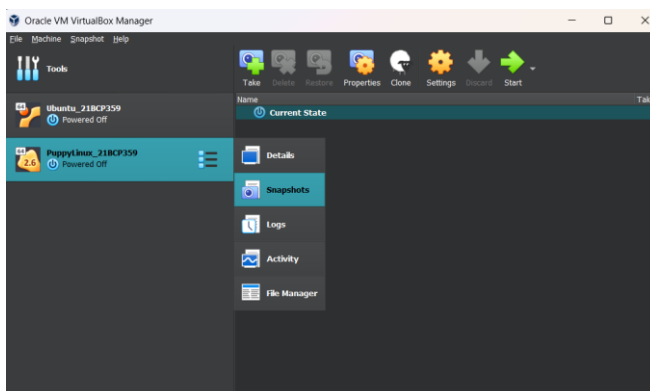Right click on VM and select Delete.   Then click Delete all files

5. To take snapshot of Virtual Machines

Click on Tools icon on VM and select Snapshots.   Give a name and click OK