

Customization of UBUNTU:

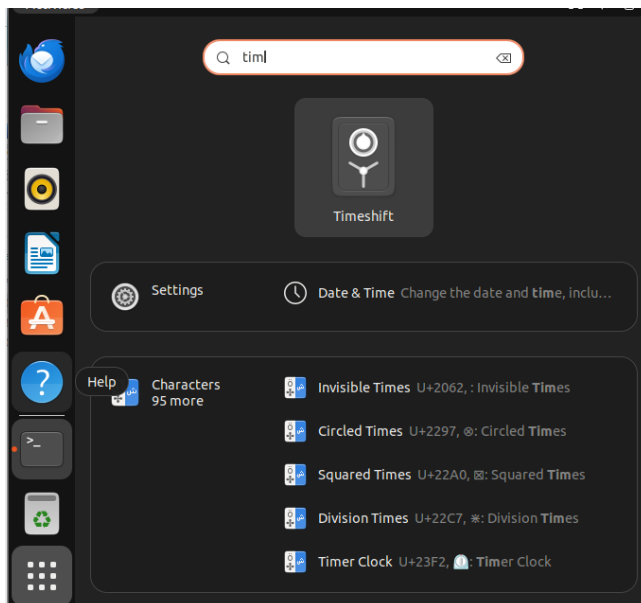
- First of all update the packages which are available

```
simran@Ubuntu:~/Desktop$ su root
Password:
root@Ubuntu:/home/simran/Desktop# apt update
Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
86 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@Ubuntu:/home/simran/Desktop#
```

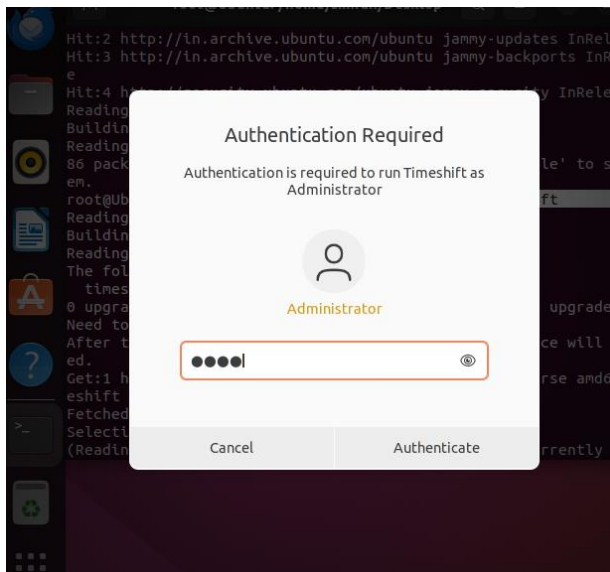
- Now install timeshift
 - Timeshift is a backup and restore tool available for Ubuntu and other Linux distributions. It's used to create snapshots of the system in its current state, enabling users to revert the system back to that exact state in case of issues, such as software problems, system crashes, or accidental file deletion.

```
em.  
root@Ubuntu:/home/simran/Desktop# apt install timeshift  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following NEW packages will be installed:  
  timeshift  
0 upgraded, 1 newly installed, 0 to remove and 86 not upgraded.  
Need to get 736 kB of archives.  
After this operation, 3,312 kB of additional disk space will be used.  
Get:1 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 timeshift amd64 21.09.1-1 [736 kB]  
Fetched 736 kB in 6s (130 kB/s)  
Terminal previously unselected package timeshift.  
Reading database ... 204671 files and directories currently installed.
```

- Search for Timeshift



- Enter the Admin Password



- Select the snapshot type RSYNC

RSYNC:

1. **Function:** RSYNC is a file synchronization and transfer tool used to copy and sync files between directories, either locally or over a network.

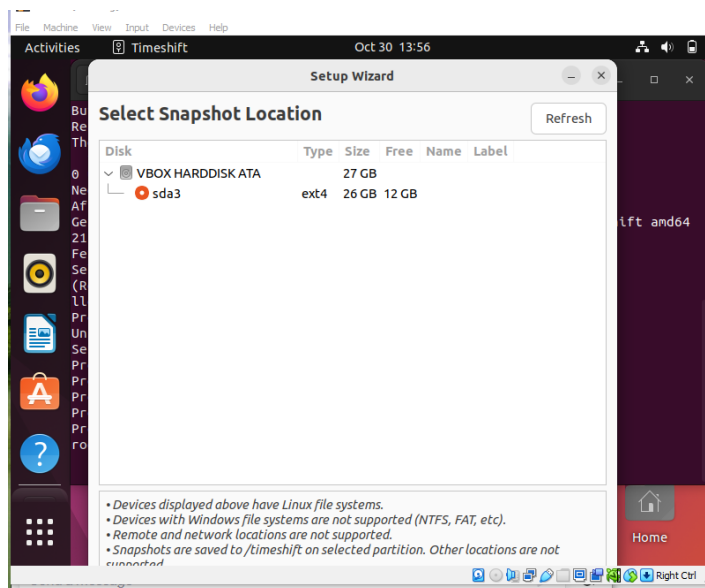
- 2. Transferring Method: It copies and synchronizes files by sending only the differences or changes between source and destination files, reducing data transfer.
- 3. Usage: It's commonly used for backup, mirroring, and syncing data across different systems.
- 4. Security: Supports secure file transfers over SSH, encrypting data during transmission.

BTRFS:

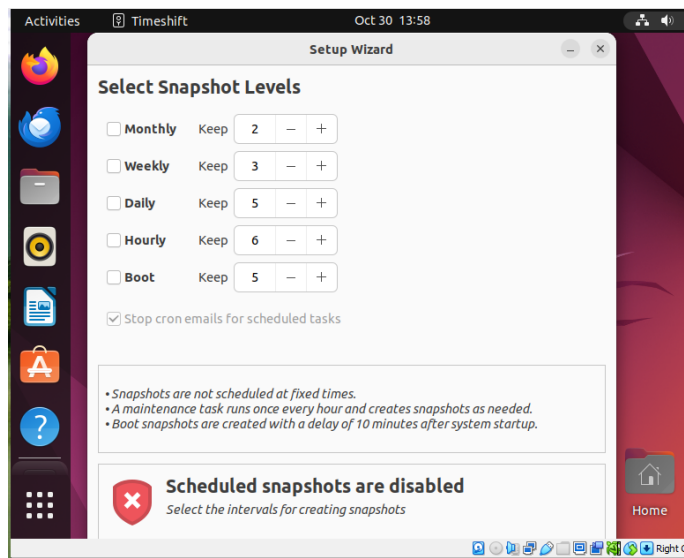
- 1. File System: BTRFS (B-Tree File System) is a modern file system designed for Linux.
- 2.Function: It provides a complete file system solution, including features like snapshots, RAID support, data integrity, and scalability.
- 3. Copy-on-Write (COW): BTRFS uses a copy-on-write mechanism, where changes are made to copies of the data instead of overwriting the original directly.
- 4. CheckSum and Data Integrity: BTRFS implements checksums to maintain data integrity and includes features for handling errors that might occur on the storage medium.

Key Differences:

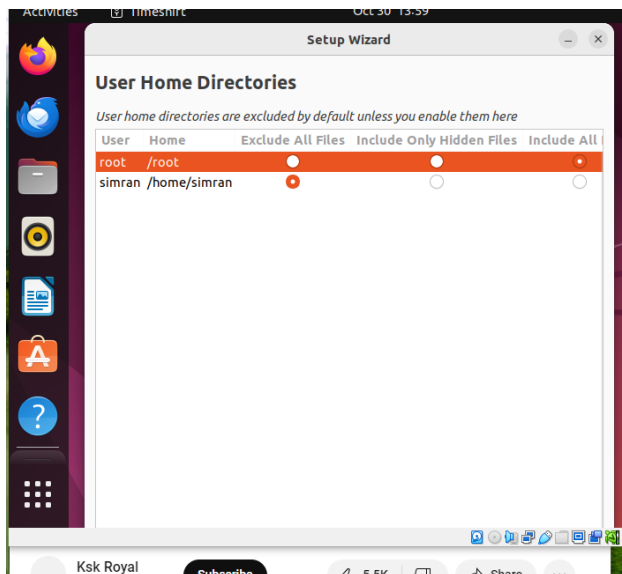
- 1. Purpose: RSYNC is a tool primarily for file transfer and synchronization, while BTRFS is a file system with features for managing storage, snapshots, data integrity, and more.
- 2. Scope: RSYNC is used for specific file transfer tasks, while BTRFS is responsible for managing the entire file system structure, handling storage, data integrity, and other system-level functionalities.
- Now click on 'Next'



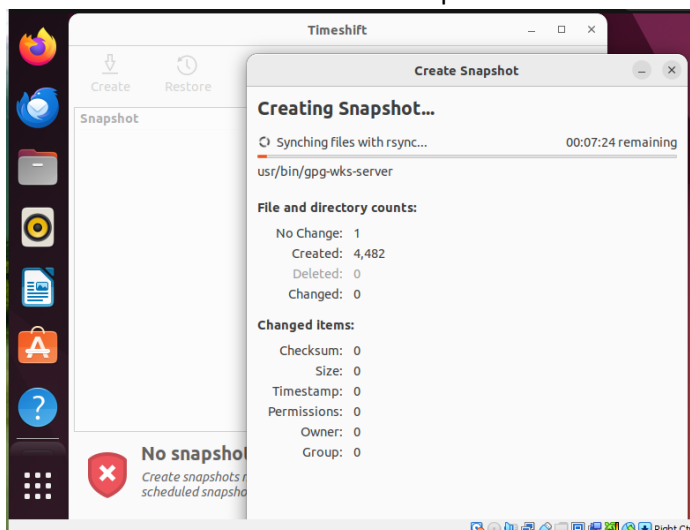
- Click on 'Next'



- Click on 'Next'
- And backup the entire Root Directory

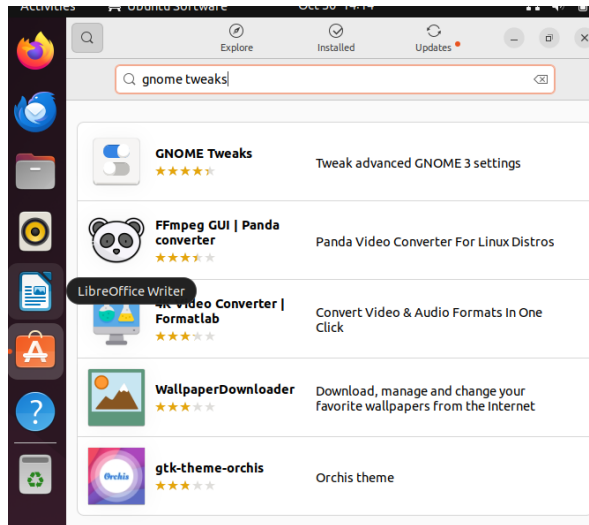


- Now Click on **CREATE** to take the snapshot of UBUNTU's current state



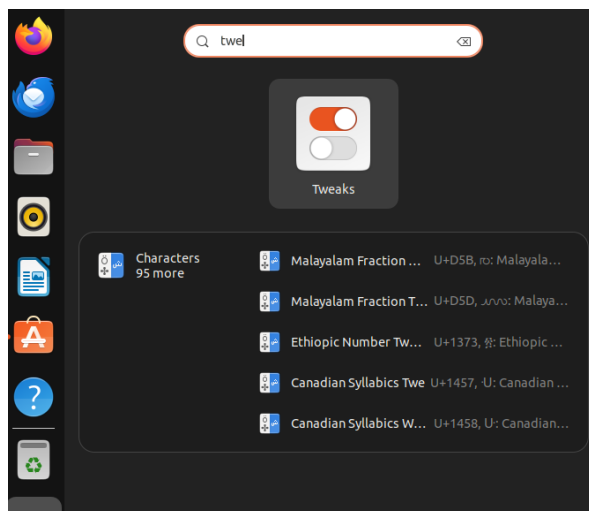
OR

- Search for Gnome Tweaks in Ubuntu Softwares

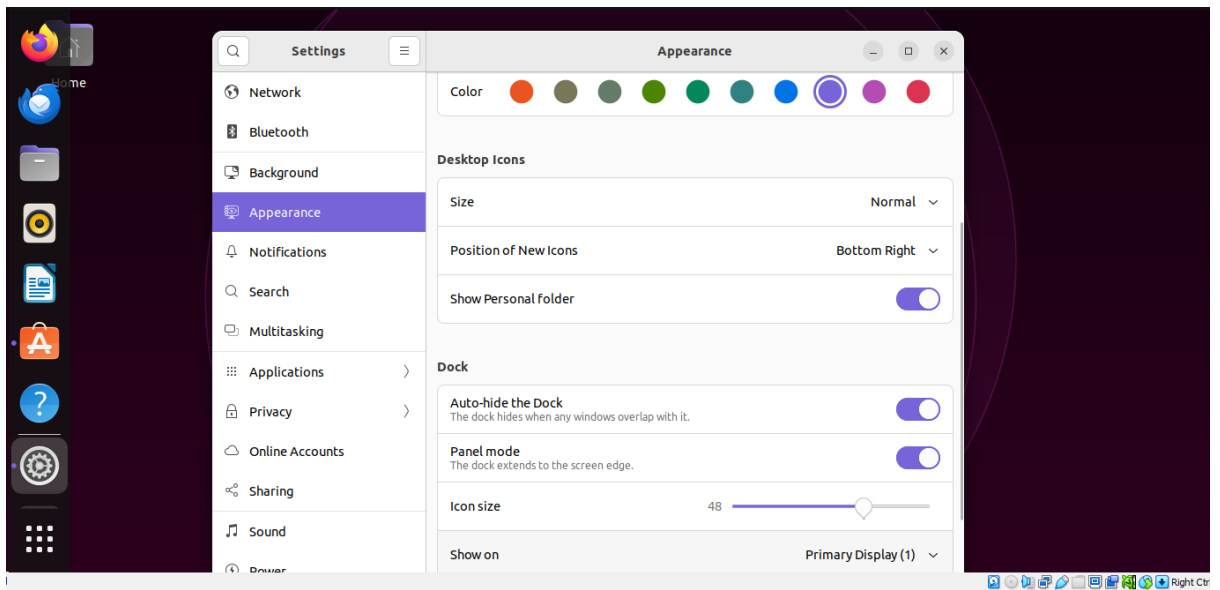


GNOME Tweaks, also known as GNOME Tweak Tool, is an application that allows users to adjust and customize various aspects of the GNOME desktop environment. It provides a user-friendly interface to access settings and configurations that are not available in the standard system settings.

- Now after installation search for Tweaks



- Even by going to Settings you can change the Background and use other options



- Now open Tweaks you can do a lot more change

