



Zachodniopomorski
Uniwersytet Technologiczny
w Szczecinie

Network Systems Administration
Report 10 – Backup in Linux (Ubuntu)

dr inż. Piotr Lech

Abdurrahman Karaoluk
ka46312

1. Timeshift Installation on Ubuntu

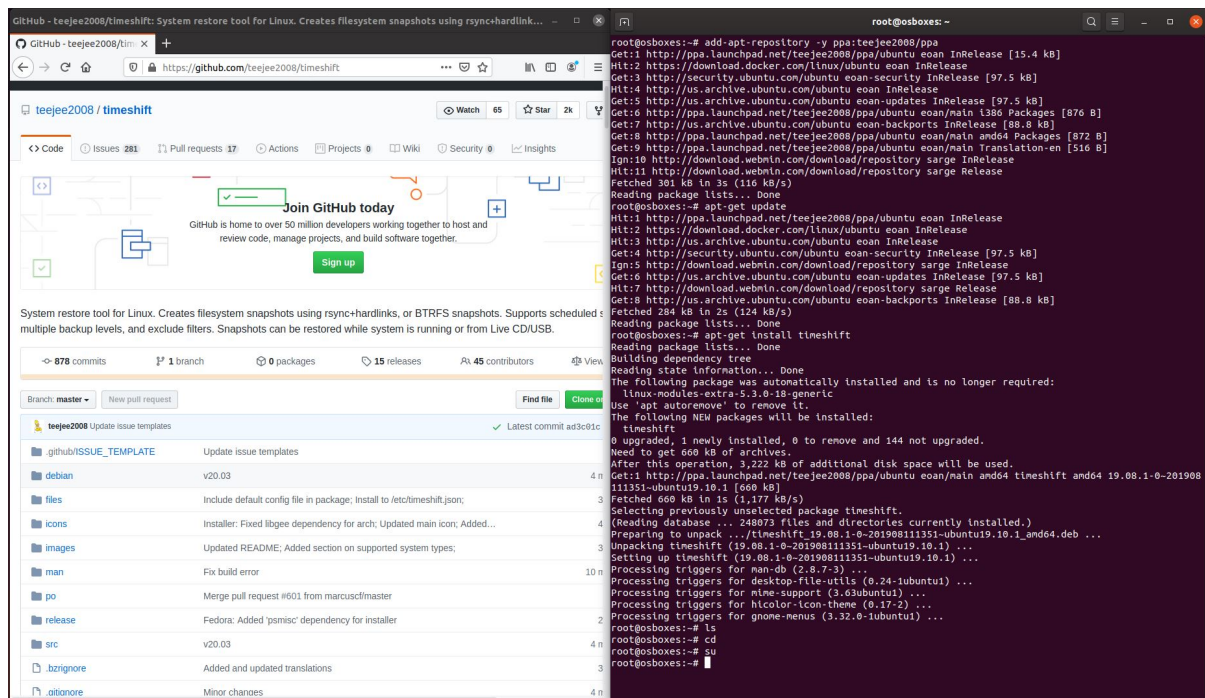
Step-1: Add timeshift path to resource list
`add-apt-repository -y ppa:teejee2008/ppa`

Step-2: Update new packages
`apt-get update`

Step-3: Install Timeshift
`apt-get install timeshift`

Step-4: Open Timeshift application

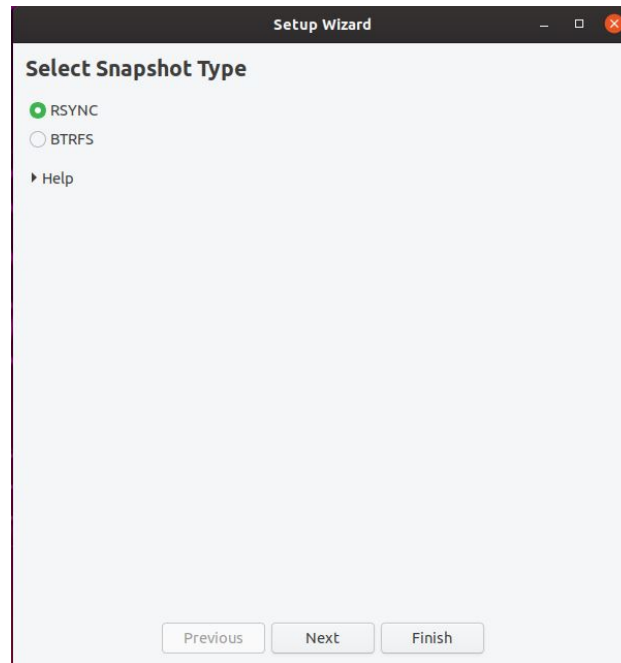
2. Screenshots



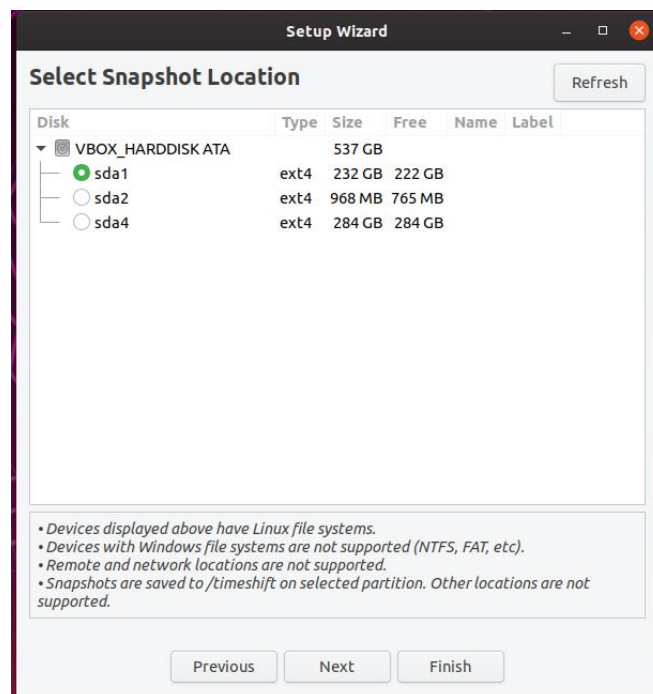
Şekil 1. Installing Timeshift

In the rsync mode, snapshots are taken using rsync and hard links, and common files are shared between the snapshots to save disk space.

In the BTRFS mode, snapshots are taken using the BTRFS file system. BTRFS is supported on only systems having an Ubuntu-type subvolume layout.



Şekil 2. Select backup mode



Şekil 3. Select disk for backup

Setup Wizard

Select Snapshot Levels

☐ Monthly

Keep

2

–

+

☐ Weekly

Keep

3

–

+

☒ Daily

Keep

5

–

+

☐ Hourly

Keep

6

–

+

☐ Boot

Keep

5

–

+

☒ Stop cron emails for scheduled tasks

• Snapshots are not scheduled at fixed times.

• A maintenance task runs once every hour and creates snapshots as needed.

• Boot snapshots are created with a delay of 10 minutes after system startup.

☒

Scheduled snapshots are enabled

Snapshots will be created at selected intervals if snapshot disk has enough space (> 1 GB)

Previous

Next

Finish

Şekil 4. Set backup frequency

Setup Wizard

User Home Directories

User home directories are excluded by default unless you enable them here

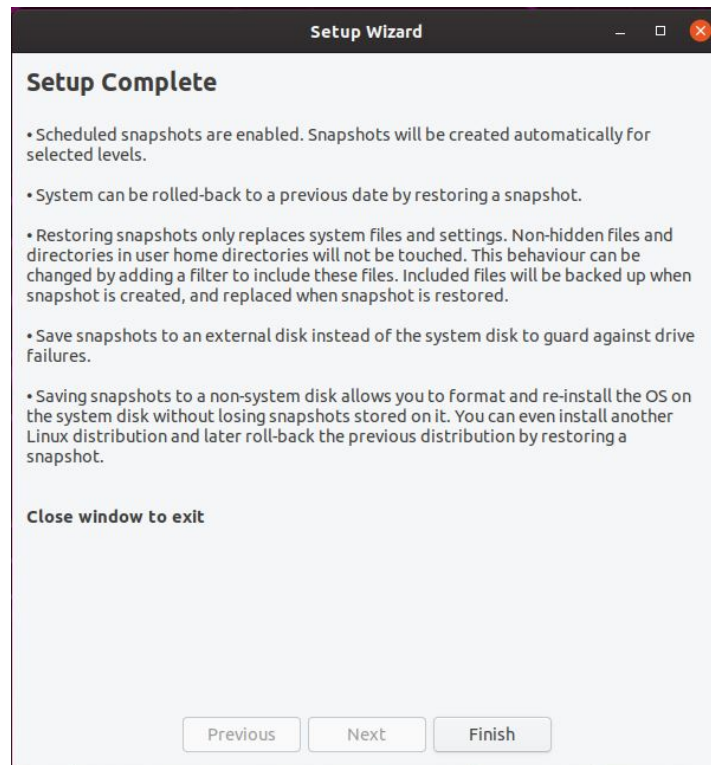
User	Home	Exclude All	Include Hidden	Include All
osboxes	/home/osboxes	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
root	/root	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Previous

Next

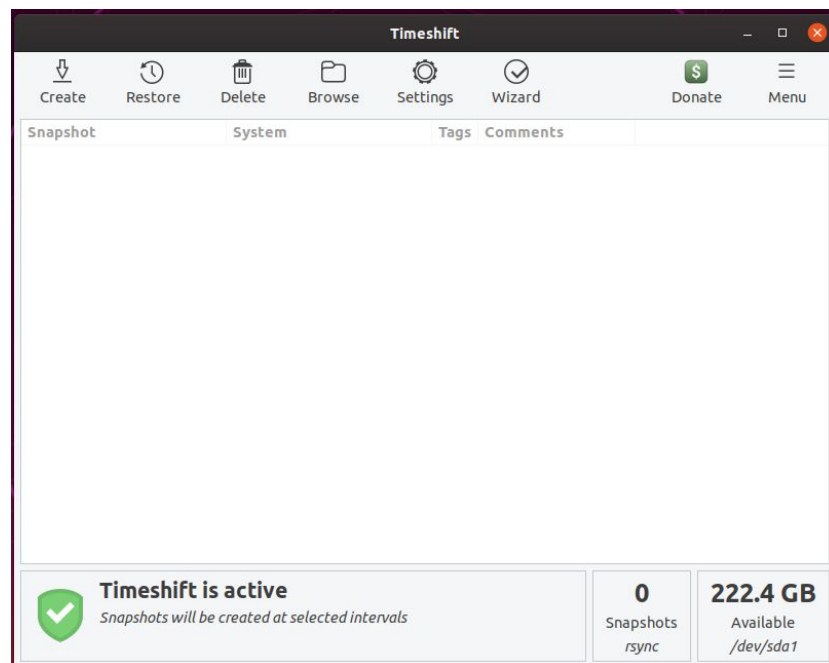
Finish

Şekil 5. Set directories for backup

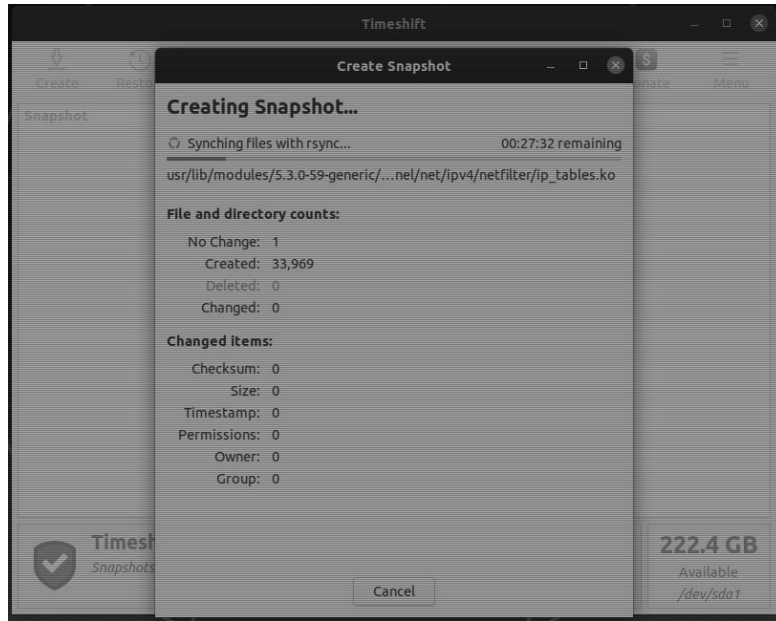


Şekil 6. Setup complete screen

If you have a backup, you can select it and load it with the "restore" button. If you want to backup, you can click the "create" button.



Şekil 7. Timeshift user interface



Şekil 8. Creating Snapshot Screen