

BACKUP SERVER

AIM:

To install and configure Back in Time Backup server in Linux.

ABOUT :

Back In Time is a simple backup tool for Linux inspired from "TimeVault".The backup is done by taking snapshots of a specified set of directories.Back In Time is just a GUI.The real work is done by the commands:rsync(taking snapshots and restores),diff(checks if something is changed) and cp(makes hardlinks).This server acts as a "user mode" backup system.

PROCEDURE:

1.First edit /etc/apt/sources.list file

```
sudo gedit /etc/apt/sources.list
```

2.Add the following line

```
deb http://le-web.org/repository stable main
```

3.Save and exit the file

4.Then add the GPG key information:

```
wget http://le-web.org/repository/le-web.key
```

```
sudo apt-key add le-web.key
```

5.Update the source list

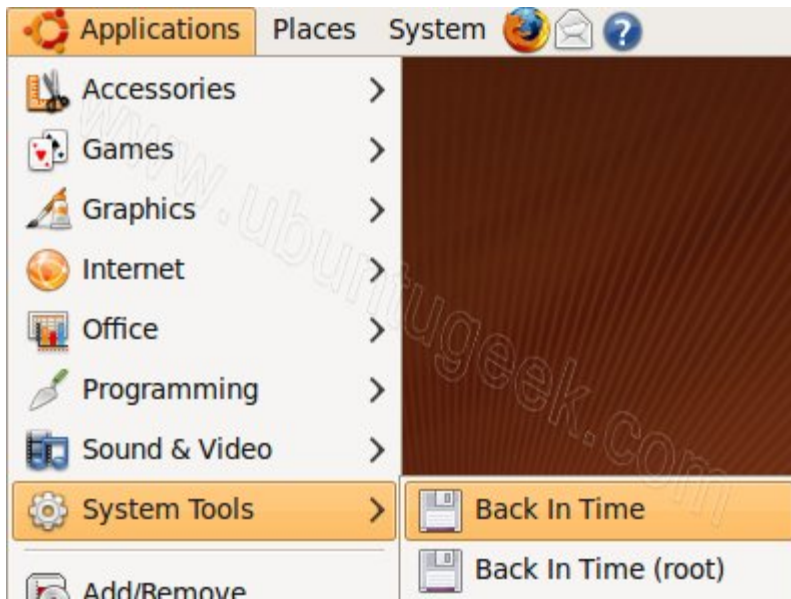
```
sudo apt-get update
```

6.Install back in time using the following command

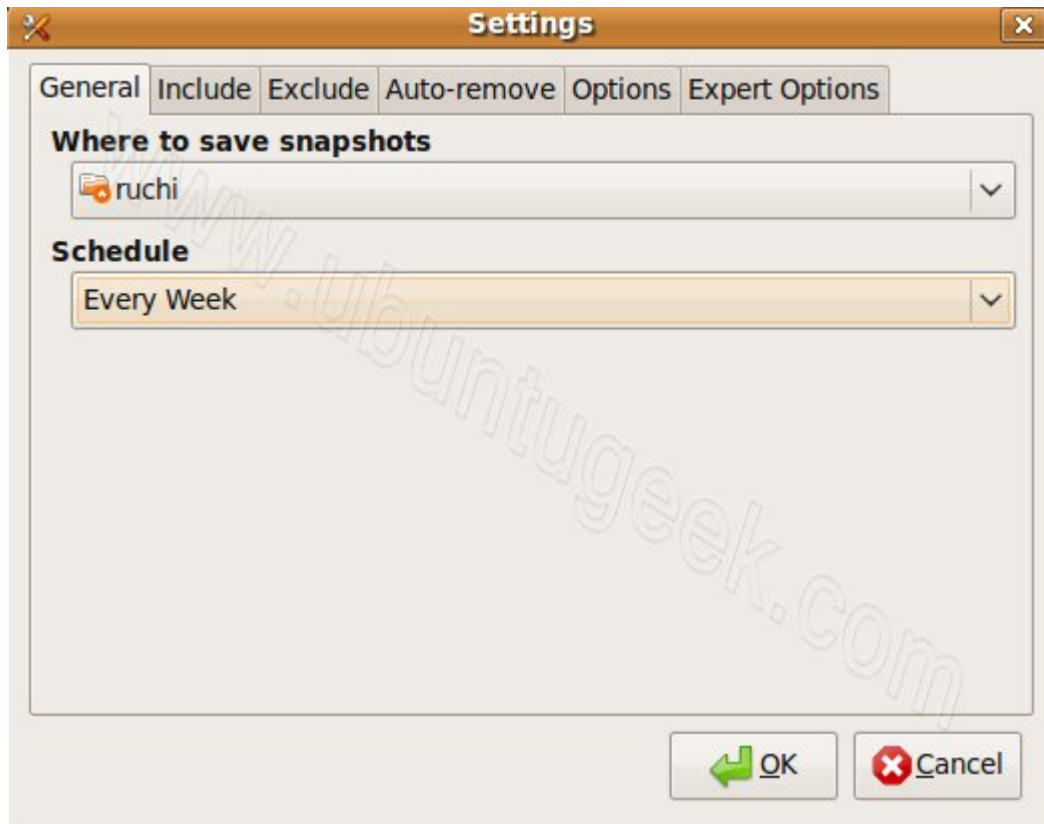
```
sudo apt-get install backintime-common backintime-gnome
```

Using Back In Time

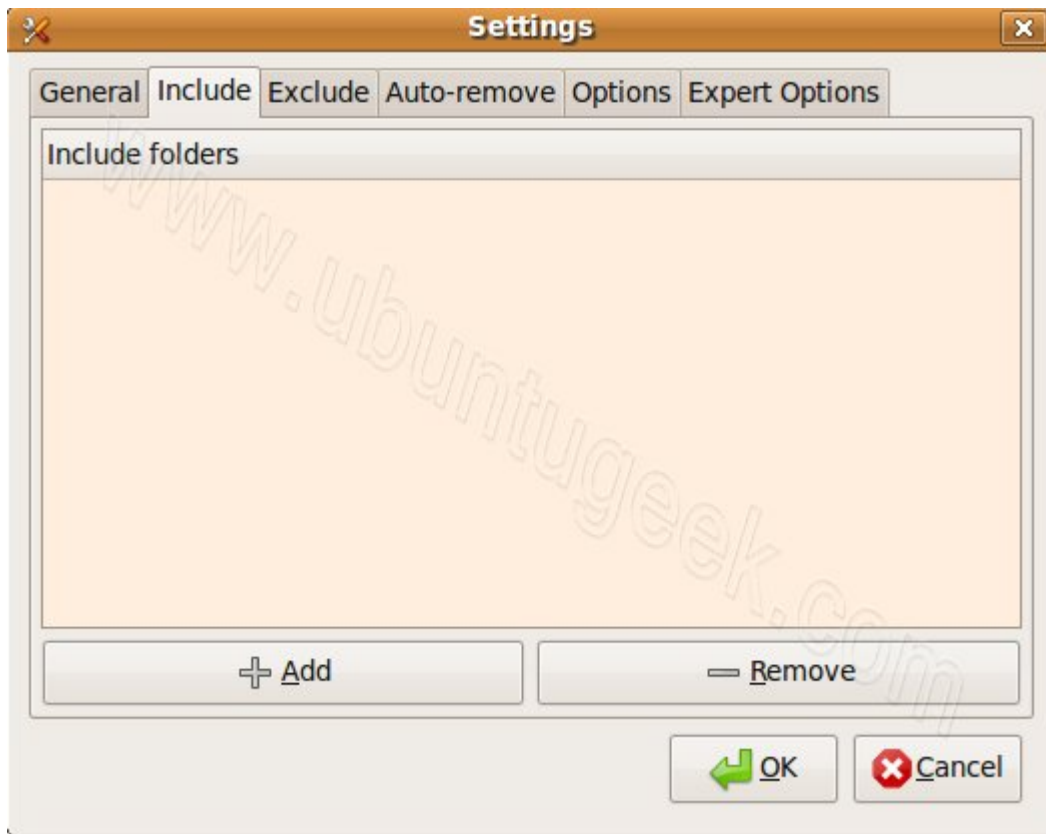
1.Open Back In Time from Applications-->System Tools-->Back In Time

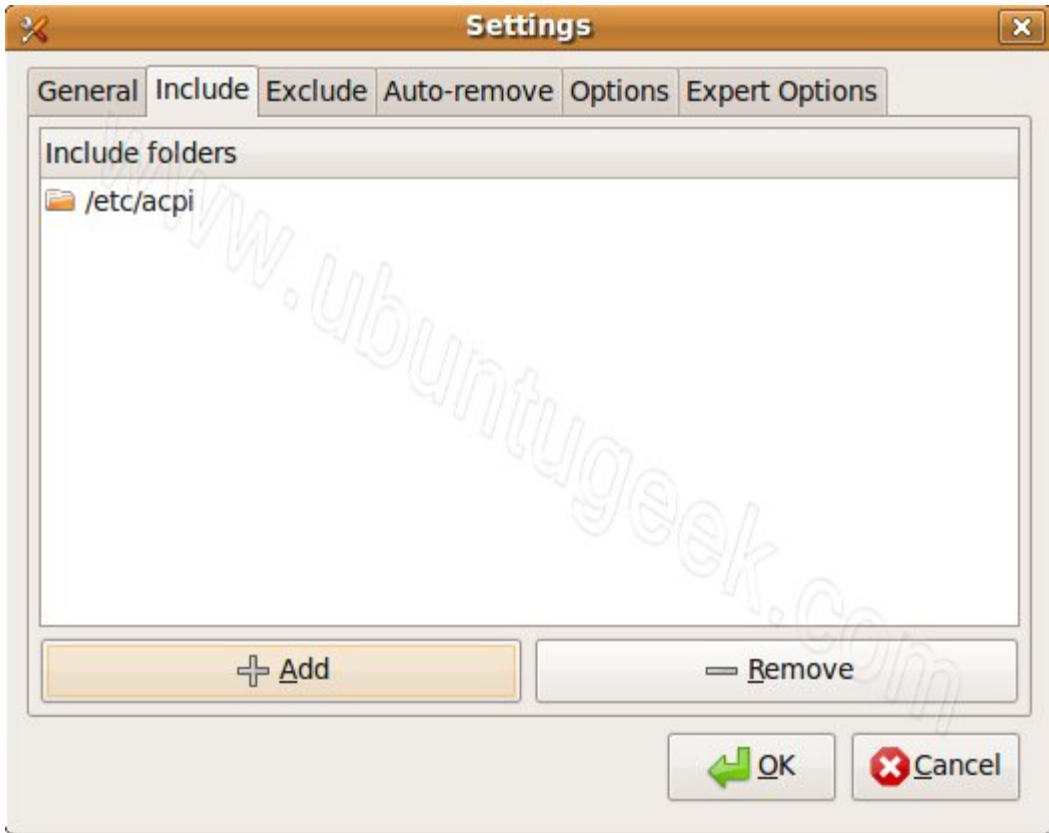


2. When it opens first time you would see the similar screenshot as below. Select the location of snapshots and the scheduled time.

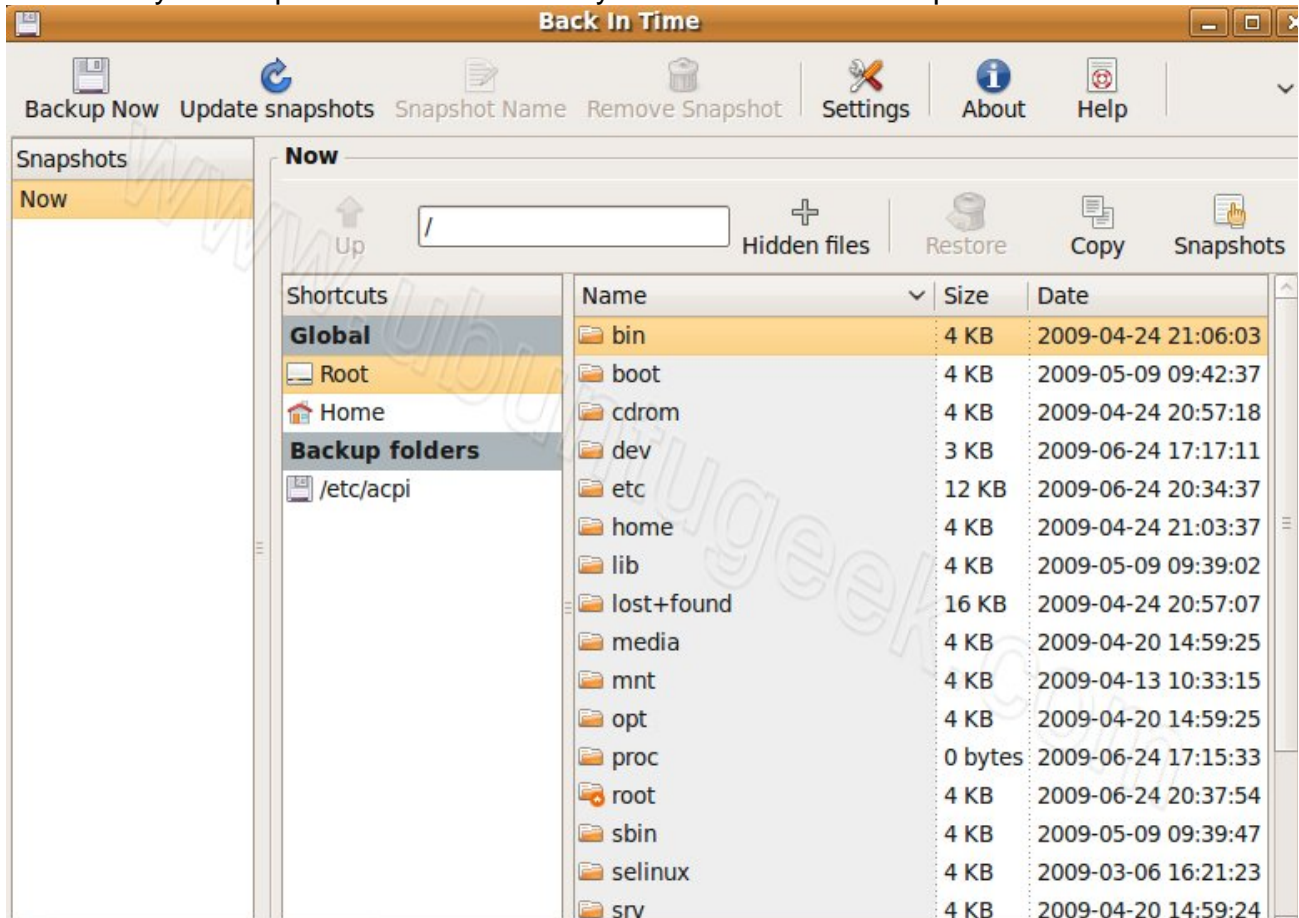


3. Click on Include tab and start adding the folders for backup.

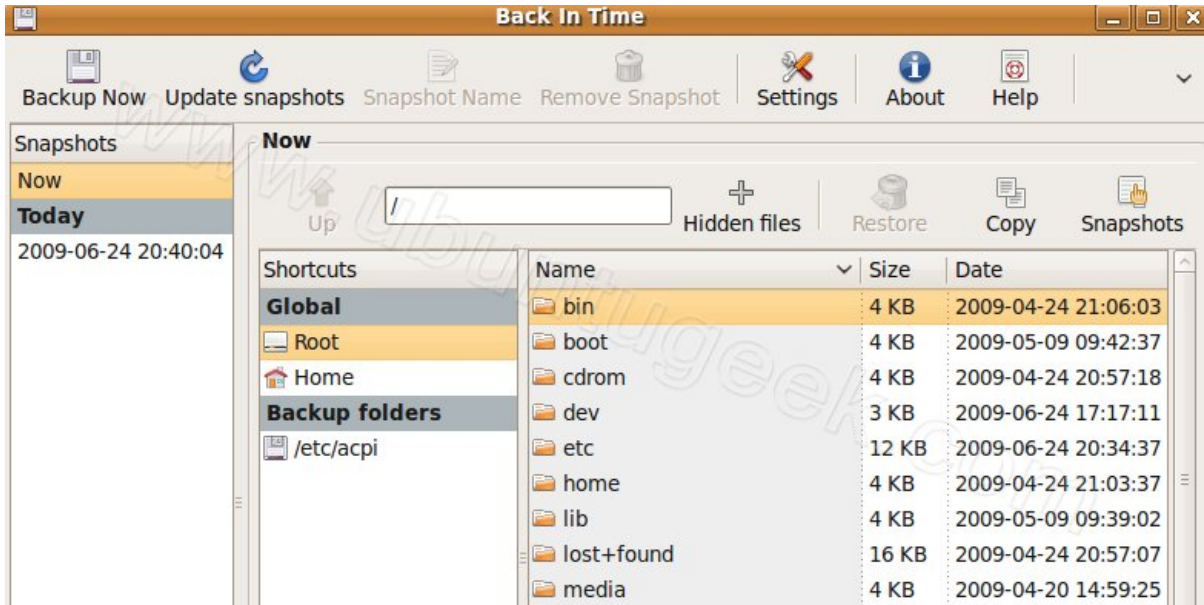




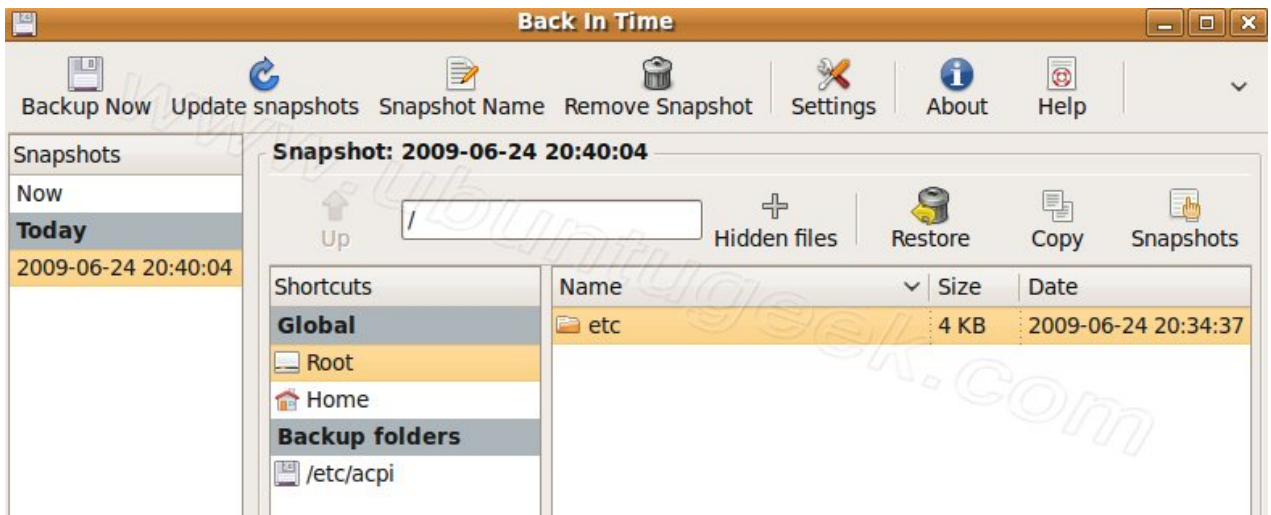
4. Once you completed the selection of your files click on backup now.



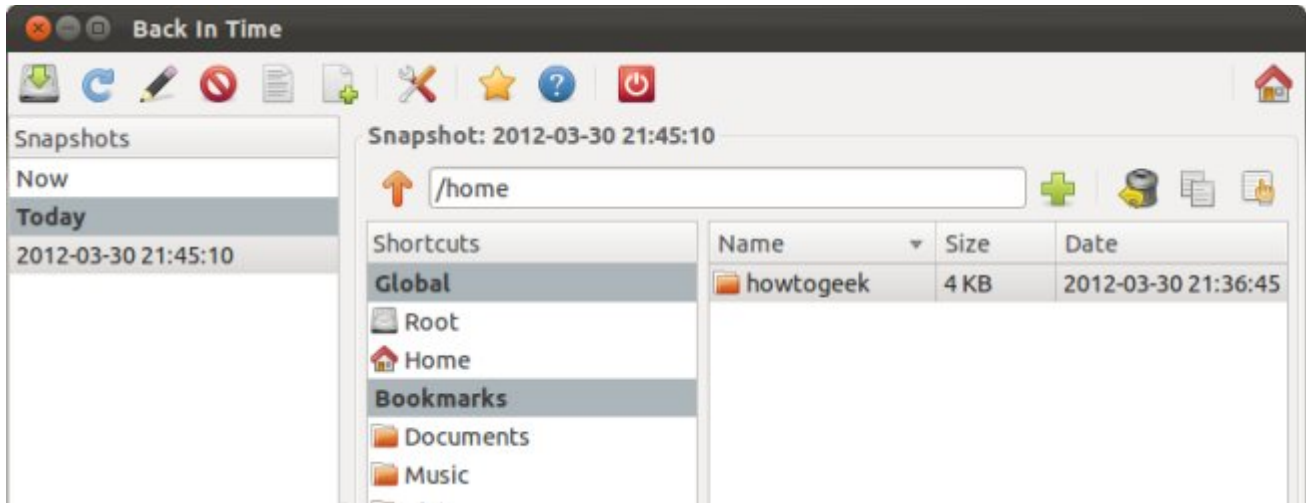
5. After completing the backup you should see similar to the following screen.



6. You can view the Backup folder details.



Using Back In Time

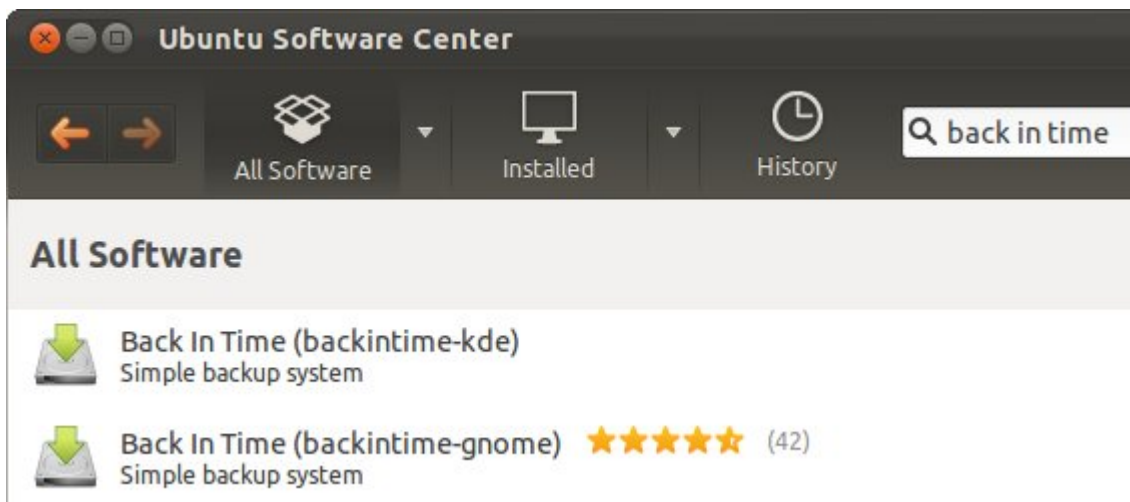


Ubuntu includes [Deja Dup](#) an integrated backup tool, but some people prefer Back In Time instead. Back In Time has several advantages over Deja Dup, including a less-opaque backup format, integrated backup file browser, and more configurability.

Deja Dup still has a few advantages, notably its optional encryption and simpler interface, but Back In Time gives Deja Dup a run for its money.

Installation

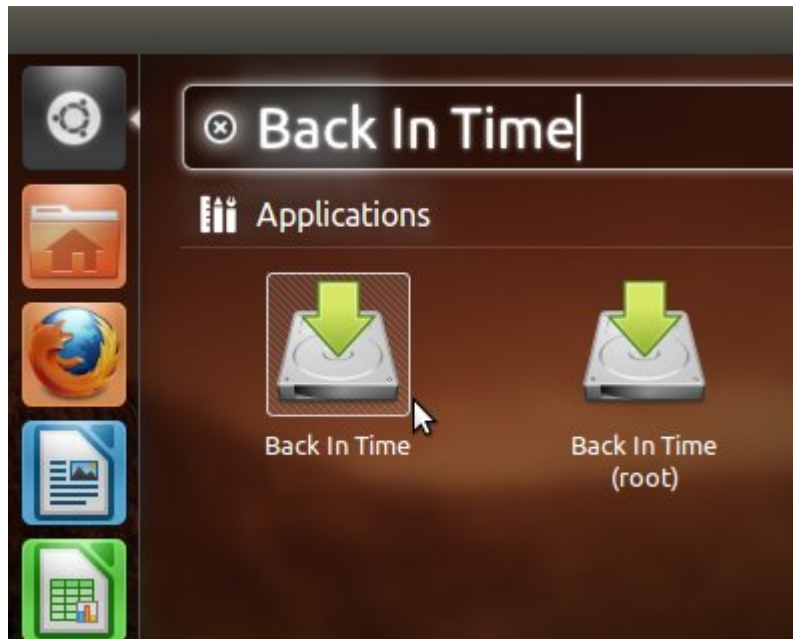
Back In Time is available in Ubuntu's Software Center. Unlike Deja Dup, Back In Time also has a GUI that integrates with KDE. If you're using Ubuntu's default Unity desktop, install the GNOME version.



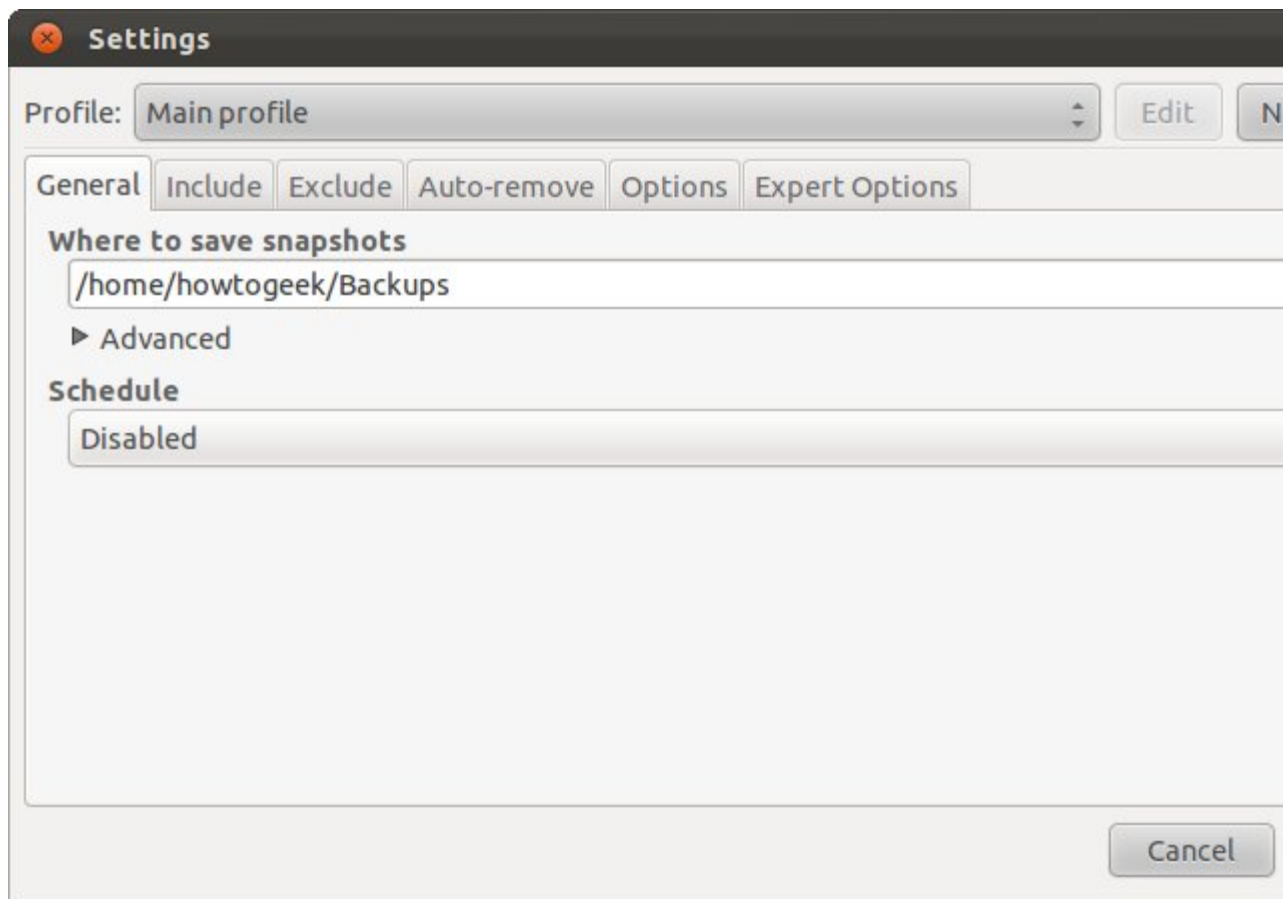
Back In Time is also available in Fedora, Mandriva, and other Linux systems' repositories.

Backing Up Files

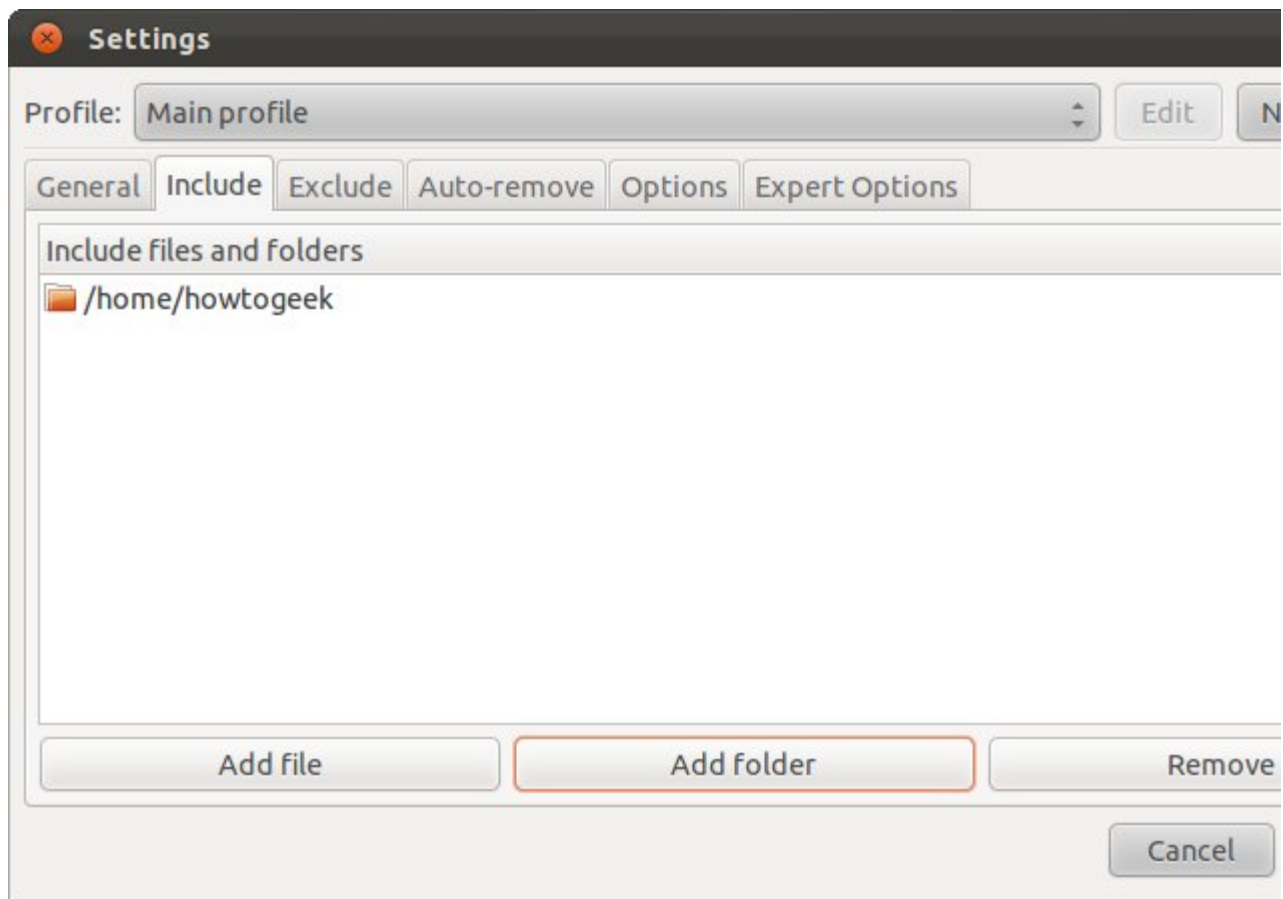
Back In Time installs two shortcuts – “Back In Time” and “Back In Time (root).” The root version runs with root permissions, which are required to access and back up certain system files. If you’re just backing up your personal files, select the “Back In Time” shortcut.



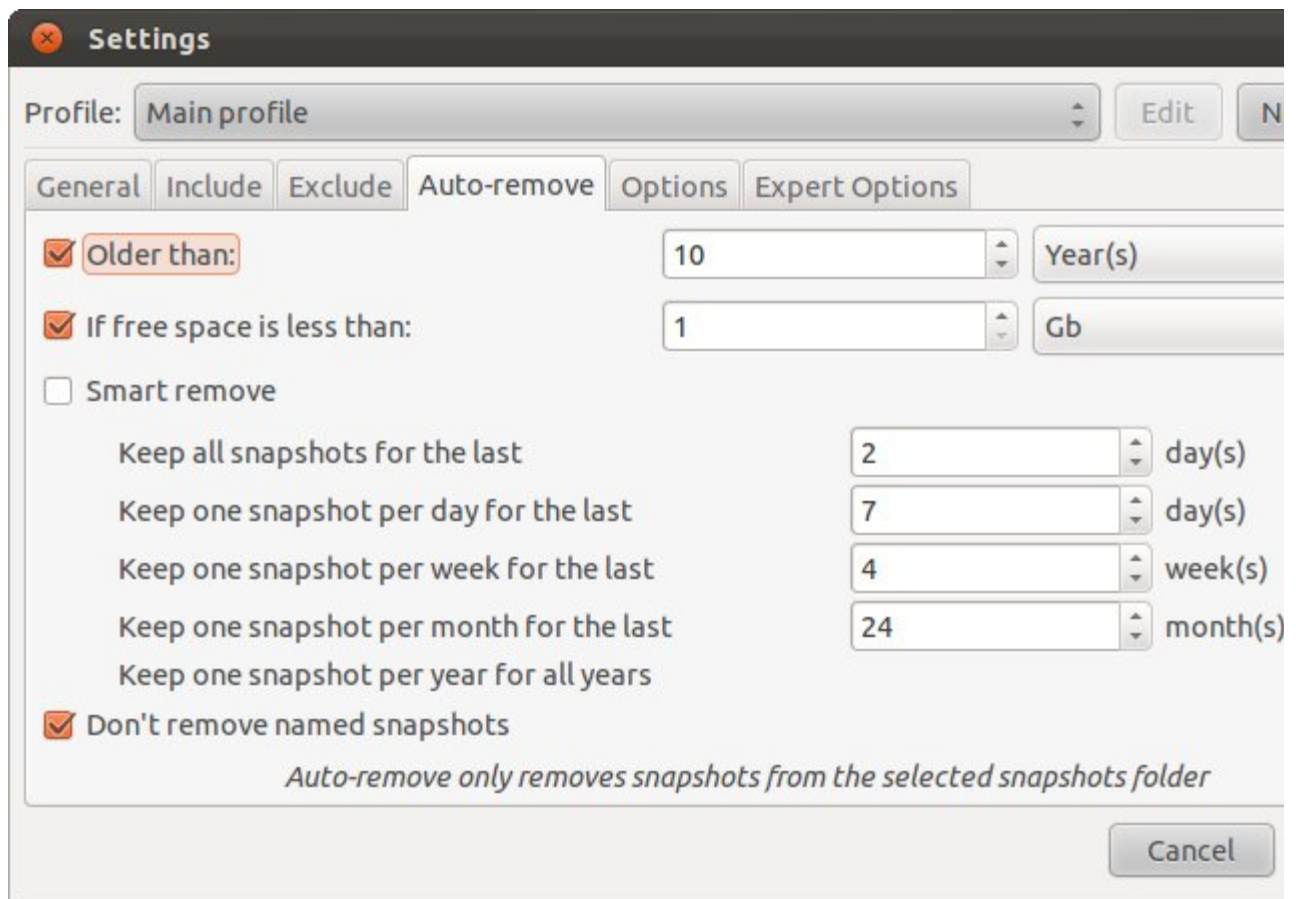
You’ll see the Settings window after you launch Back In Time. This window is more complex than Déjà Dup’s, but it also offers greater configurability. For example, Back In Time lets you create different profiles with separate backup settings, a feature Déjà Dup lacks.



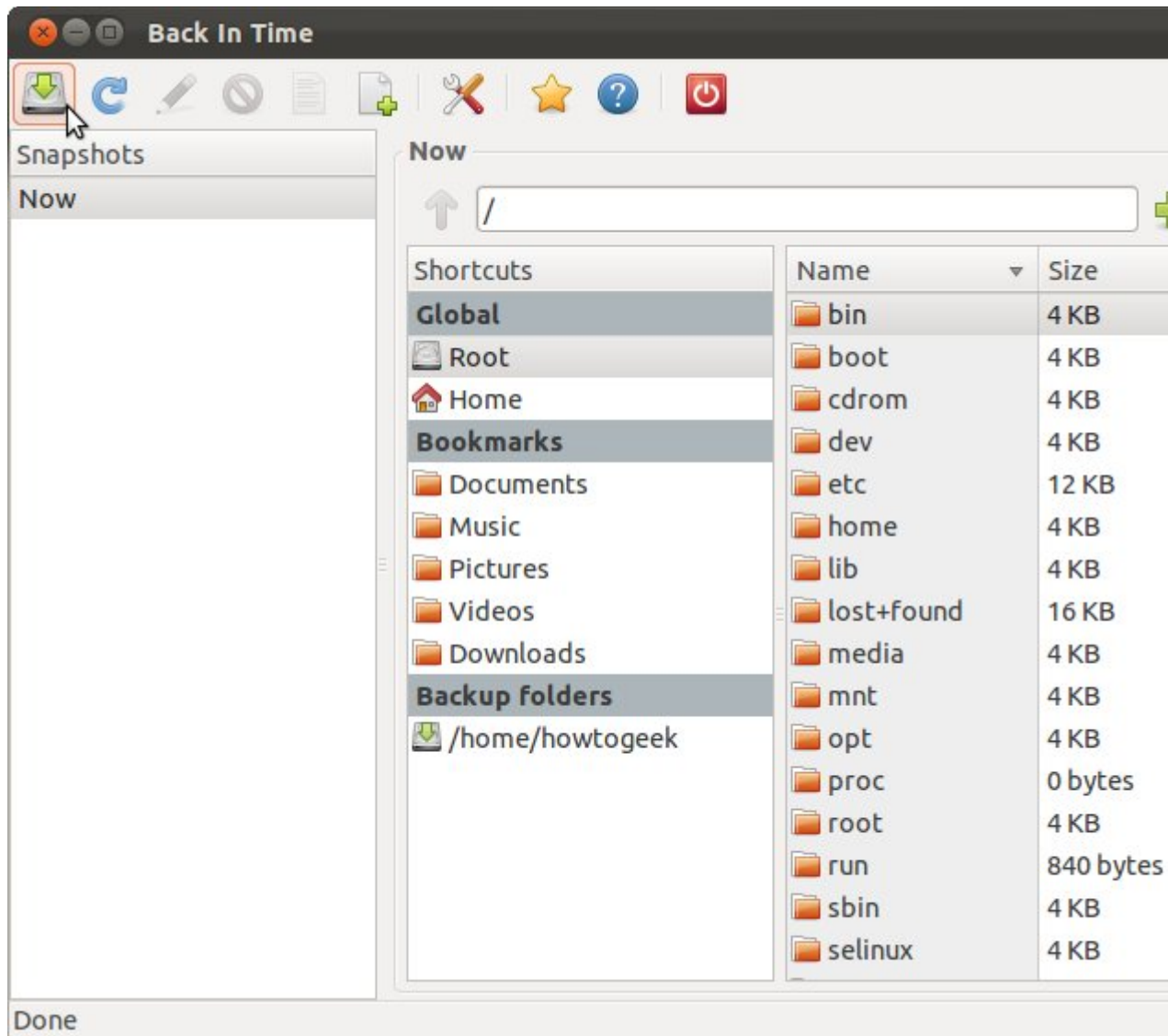
You'll have to specify a location for your backup snapshots in the "Where to save snapshots" box on the General tab and a list of files or folders you want to back up on the Include tab. The other options in the Settings window are optional.



Unlike Deja Dup, Back In Time allows you to configure when your backups are automatically removed. Deja Dup only removes older backups when the storage space fills up, while Back In Time offers much finer-grained control on the Auto-remove tab.

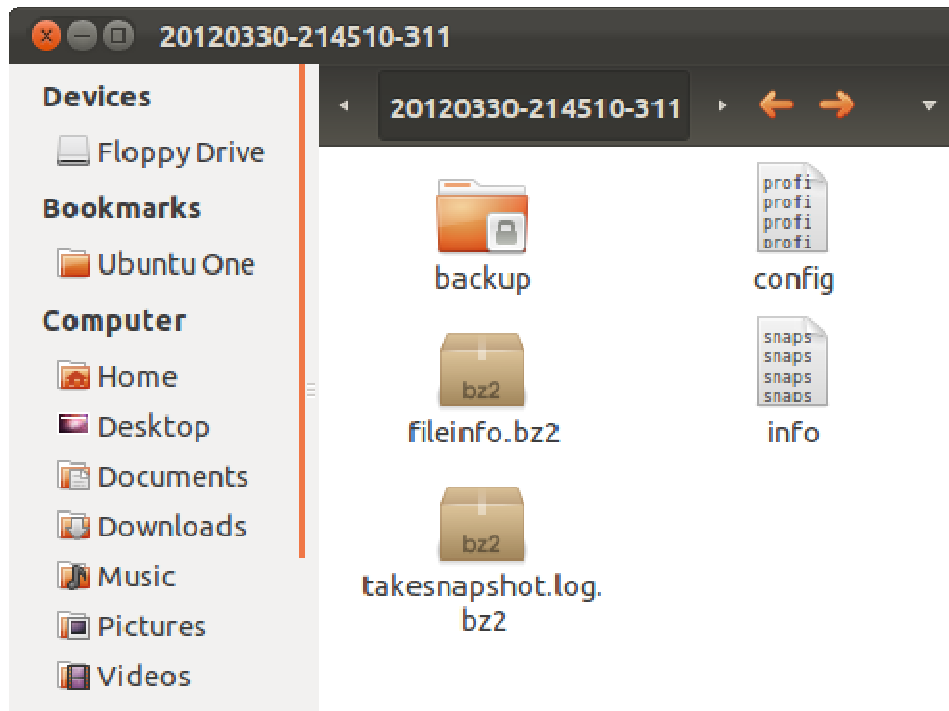


Once you're done configuring your backups, click the OK button and use the "Take snapshot" button to take your first snapshot. Back In Time uses [rsync](#) as its backend, which offers incremental backups – future backups will only copy changes and will complete quickly.

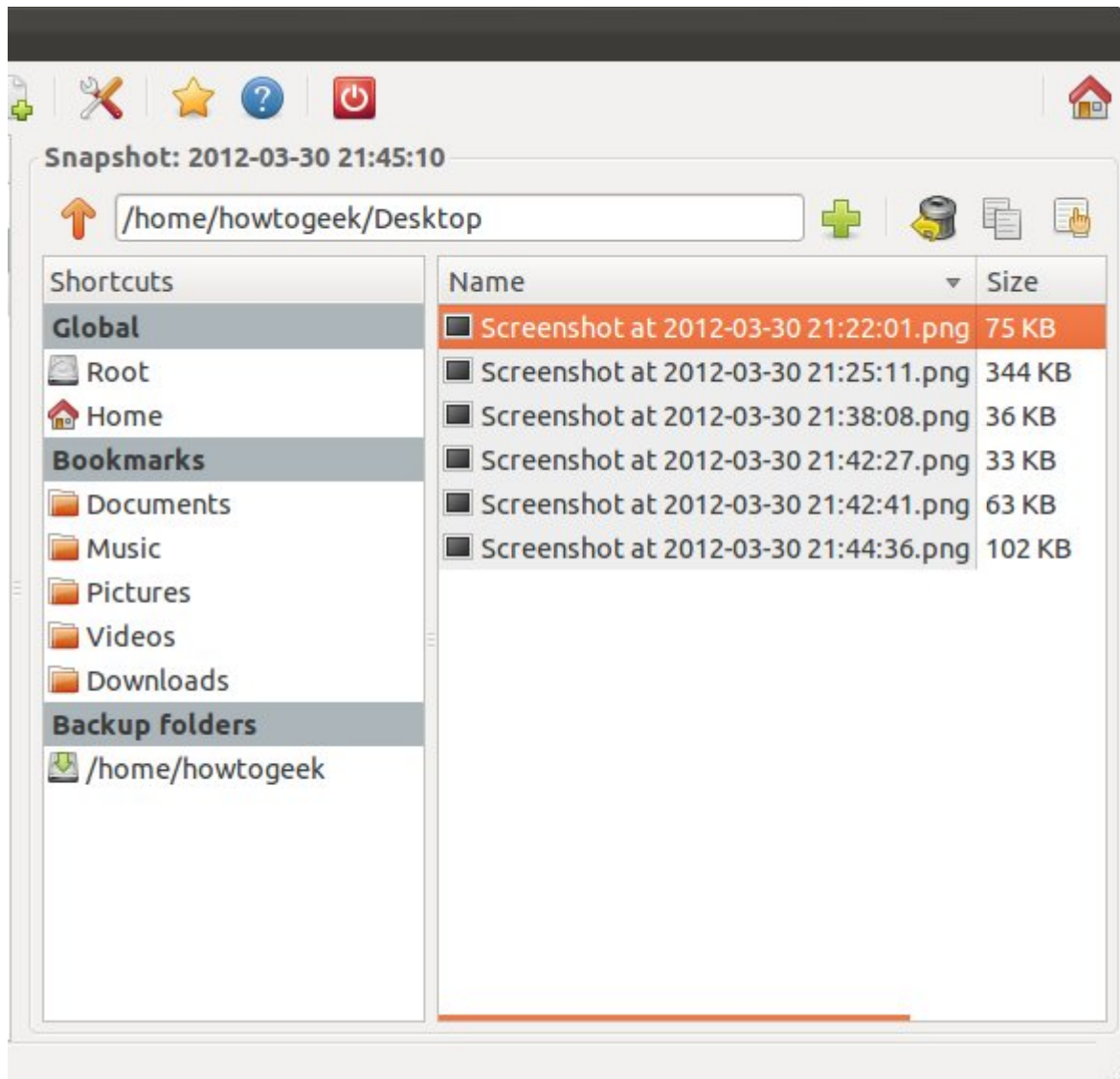


Restoring Files

Unlike Deja Dup, which uses a [Duplicity](#)-based, opaque backup format, Back In Time uses rsync directly. Your backup snapshots are stored as files and folders on your hard disk, allowing you to browse them directly. You could perform a backup to a removable hard drive, plug it directly into Windows, and access your files without converting or extracting anything. Unfortunately, this does mean that Back In Time doesn't offer the same encrypted backup feature Deja Dup does.



Back In Time offers a graphical snapshot browser that makes it easy to browse your backup snapshots and restore individual files, while Deja Dup offers no such browser. Deja Dup's Nautilus integration allows you to restore individual files from a file browser window, but only if you know the folder they were originally contained in. There's no way to browse a snapshot without restoring the entire thing to another folder.



Back In Time is a more powerful, configurable tool with a less opaque backup format.

RESULT:

Thus the backup server is installed and configured successfully.