

Backup of External Disk

Saturday, February 24, 2018 2:20 PM

Assumptions: two external disks are being used. **disk1** is the primary disk (could be a network shared drive) and **disk2** will be the backup. Backup will be scheduled daily using **cron** and will be controlled by **rsync**.

Assuming **disk1** has previously been setup we will begin with **disk2**:

1. **sudo mkdir -m 1777 /disk2**
2. **sudo nano /etc/fstab**
Add a mount entry – ex:
/dev/sda1 /disk2 vfat defaults 0 2 -OR-
/dev/sdd1 /disk2 ntfs-3g defaults 0 2 if ntfs file system
3. **rsync** is already installed on Rpi 3B - if you are using a different system enter:
sudo apt-get install rsync
4. **sudo crontab -e** then select an editor - in this case **nano**
Add: **0 4 * * * rsync -av --delete /disk1 /disk2**
This command specifies that every day at 4:00AM (the 0 4 part), every day (* * *, wild cards for year, month, day), we want rsync to compare the two directories, copying everything from HDD1 to HDD2 and deleting anything in the backup directory that no longer matches something in the primary directory. Be sure to select a time that doesn't interfere with any other network activity to the shared folders that may have been scheduled.
5. Save the file and restart the system.
6. Test the process by manually entering:
rsync -av --delete /disk1 /disk2