Automatic Backup

We have to use Rsync package to make server backup for every month.
This backup process is automated using the cronjob.

Step 1: Installation of Rsync

Use the following command to install rsync

#yum install rsync

Step 2: Compress the backup file

First we need to compress the target of backup directory, files, or any files. Using “Tar” command to make tar.gz or tar.tgz files.

Run the following command to archive tar files for single and multible files , directory..

Single directory

Syntax

#tar -cvzf /path of compressed file location /path of “which file we want backup”

Example :

#tar -czvf /home/ss4u/Desktop/Backup.tar.gz /home/ss4u/Desktop/Mail

Multiple Directory

Syntax :

#tar -cvzf /path of compressed file location /path of “which file we want backup” first Directory /Second Directory

Example :

tar -czvf /home/ss4u/Desktop/Backup.tar.gz /home/ss4u/Desktop/Mail /var/www/html/rouncube

Step 3: Backup Process

Using rsync to make a backup process for Local hard disk to External hard disk

Commands

syntax :

#rsync -av /Path of source backup file /path of Destination backup file

Example :

#rsync -av /home/ss4u/Desktop/Bckup.tar.gz /External hard disk

Step 4: Create script file to setup the cronjob

=> Just create .sh of script file for Backup.

=> Open a text editor and put it all above backup process commands.

=> Save as the file with the extension .sh (Ex: backup.sh)

Example :

```
#!/bin/sh

tar -czvf /home/ss4u/Desktop/backup.tar.gz /home/ss4u/Desktop/Mail

chmod 777 -R /home/ss4u/Desktop/backup.tar.gz

rsync -av /home/ss4u/Desktop/backup.tar.gz /
```

Step 5: Configure cronjob

Finally to configure a cronjob for automatic backup process. Run following commands.

#crontab -e

#* * * * * cd /location of script file; cd run for script file

In above five stars mean by minute (0 to 59), hour(0 to 23), day of month (1 to 31), month of year(1 to 12) , week of day (1-sunday,7-saturday)

Example : 10.30am 5th july every monday

30 10 5 7 1 cd /home/ss4u/Desktop;sh backup.sh