Name: Sheikh Muhammad Sabih
Roll No.: 2303.KHI.DEG.010

Assignment (1.1 RSync)

On a linux server setup a cron job for copying example data
with rsync periodically.

Ensure the copying is handled in the background and independently of the
user session.

Solution

To setup a cron jon we have to edit the system wide crontab file by using
command **sudo crontab -e**.

Rsync – is a utility which is use for the synchronization of files and folder.
And we have to install rsync by **sudo atp-get install rsync** command.

Cron job is also work in background.

Above command will open **crontab file** and then we will add the command
in it.

*** * * * * rsync -a
/home/sabih/Documents/emeritus/apr_3/orignal_folder/
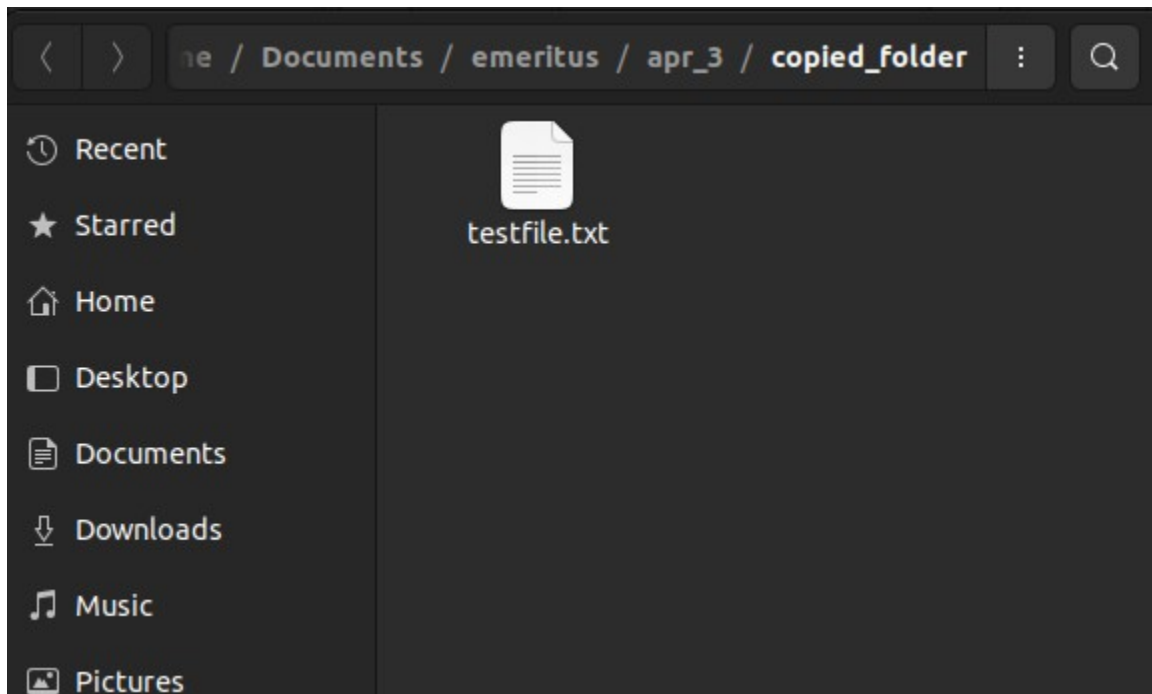/home/sabih/Documents/emeritus/apr_3/copied_folder**

In the above command:

- *** * * * *:** shows the repetition of command execution which is **every minute**, **every hour, every day**, **every month**, **every day**.
- Rsync -a: is a normal option to synchronize the file.
- Than we have source path.
- Than we have destination path.

orignal_folder:
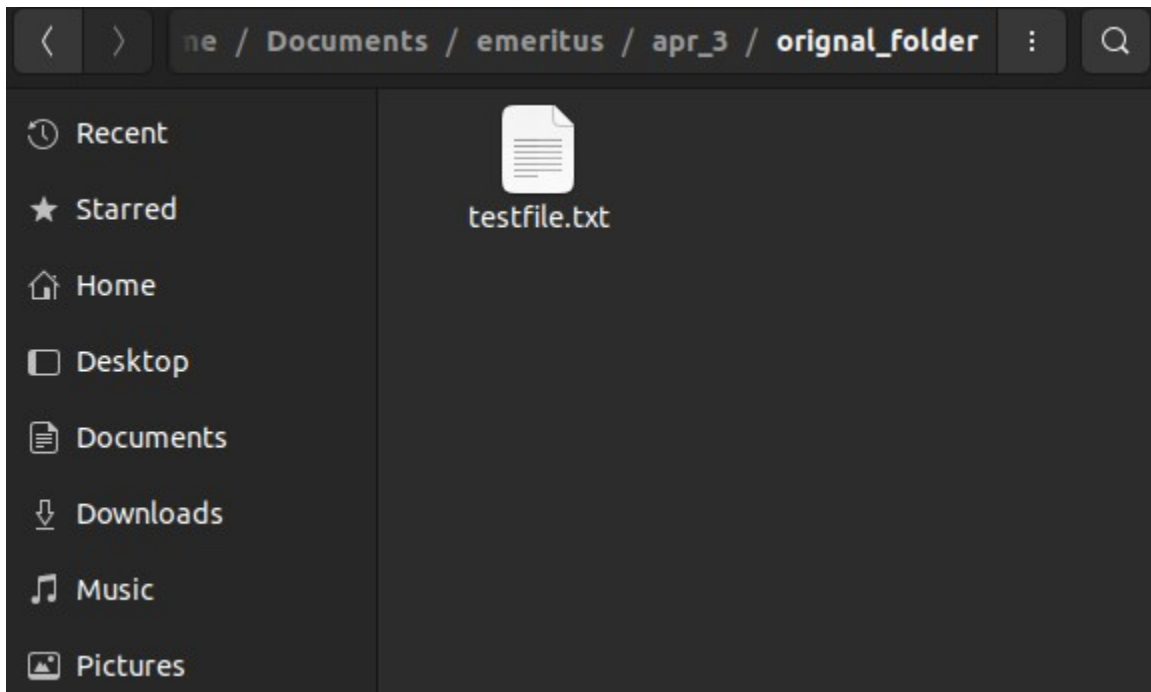
copied_folder:

Conclusion:

The command
"* * * * * rsync -a /home/sabih/Documents/emeritus/apr_3/orignal_folder/ /home/sabih/Documents/emeritus/apr_3/copied_folder" in sudo will run independently of the user session and in the background and copy the changes of file in the destination folder.