# **Unit 1.1: Graded Assignment: Rsync**

# **Group Members:**

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# **Assignment:**

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

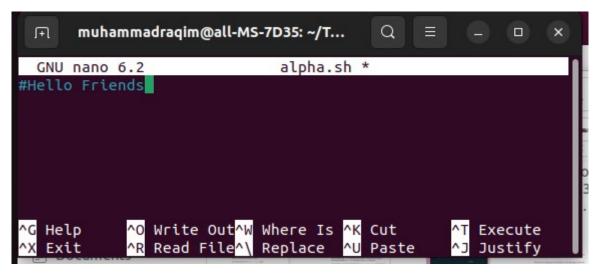
Ensure the copying is handled in the background and independently of the user session.

#### **Solution:**

We open terminal and created a file named "alpha.sh" using nano command

```
muhammadraqim@all-MS-7D35:~/Templates$ nano alpha.sh
```

And wrote a demo text on "alpha.sh"



To create or edit a crontab file we passed the command:

## muhammadraqim@all-MS-7D35:~\$ crontab -e

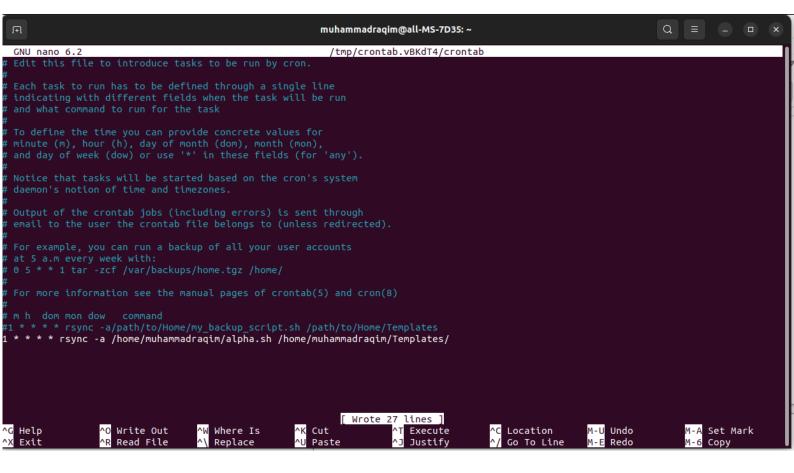
In the file, We added the rsync command for copying the data. As we want to copy a file named /home/muhammadraqim/alpha.sh to another location that is /home/muhammadraqim/Templates/. We also specified the schedule for running the command, as mentioned manner:

```
# _____ minute (0 - 59)
# | _____ hour (0 - 23)
# | _____ day of the month (1 - 31)
# | | _____ month (1 - 12)
# | | | _____ day of the week (0 - 6) (Sunday to Saturday;
# | | | | | |
# * * * * * command to execute
```

Figure 1: Refference: https://www.hostinger.com/tutorials/cron-job?

ppc\_campaign=google\_search\_generic\_hosting\_all&bidkw=defaultkeyword&lo=1011081&gclid=
Cj0KCQjw8qmhBhClARIsANAtboeiMrnahlOFpXYObomdRESRuljTAoJGvv4ev0hHZFuVigaQdglBM0aAlNdEALw\_wcB

As we want it to perform backup in every 1 minute



It will automatically copy "alpha.sh" from Home folder path to the Templates folder in every 1 minute. And beauty of crontab is, it will copy only the modification performed on the "alpha.sh" in Home folder.

## /home/muhammadraqim/alpha.sh



/home/muhammadraqim/Templates/

