Backup Using Cron Job

What are cron jobs in Linux?

Any task that you schedule through crons is called a cron job. Cron jobs help us automate our routine tasks, whether they're hourly, daily, monthly, or yearly.

Basic command For Cronjob

- **crontab -e**: edits crontab entries to add, delete, or edit cron jobs.
- **crontab -l**: list all the cron jobs for the current user.
- **crontab -u username -l**: list another user's crons.
- **crontab -u username -e**: edit another user's crons.

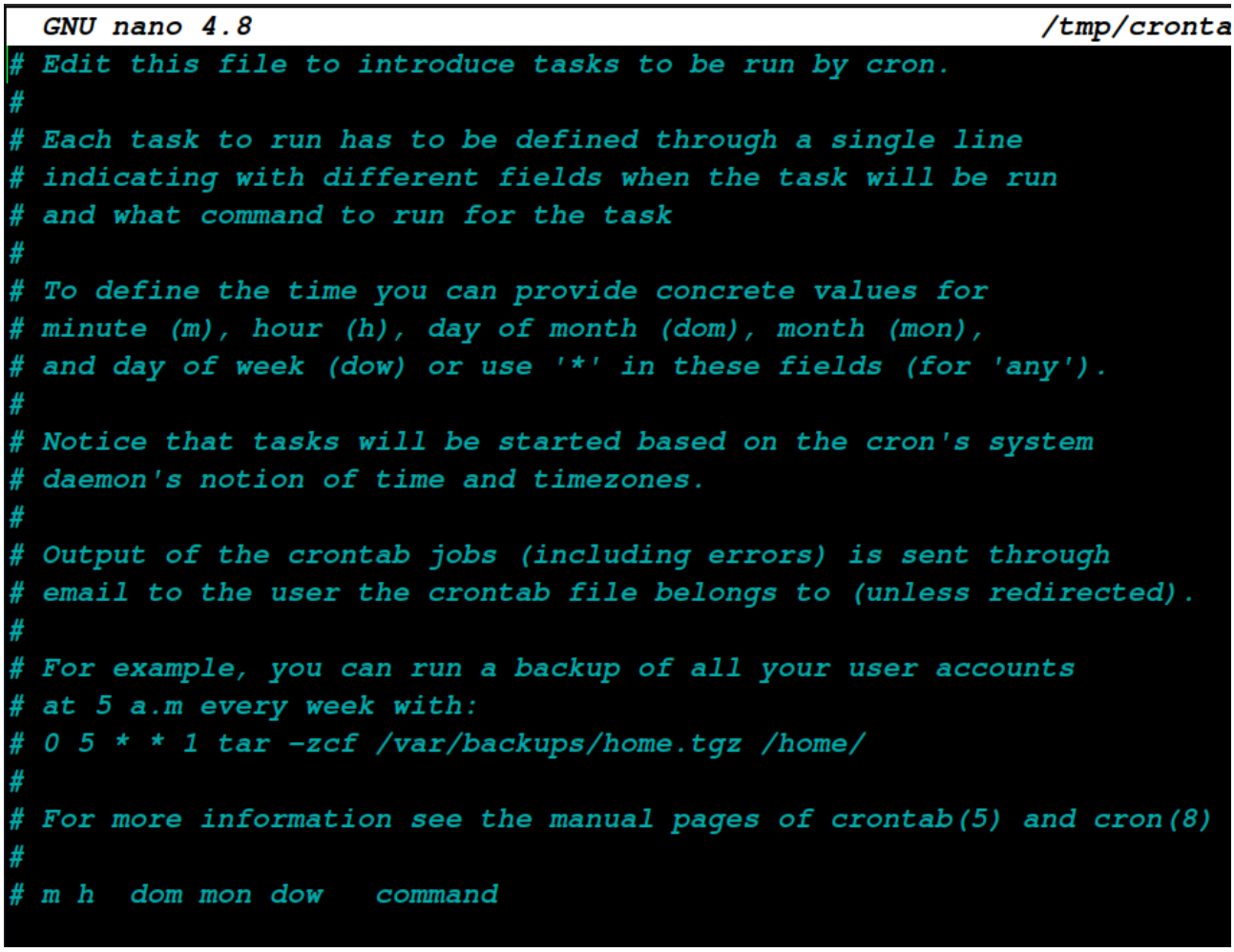
Basic Syntax For Cronjob

```
*   *   *   *   *  sh /path/to/script/script.sh
|   |   |   |   |              |
|   |   |   |   |      Command or Script to Execute
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |  Day of the Week(0-6)
|   |   |   |
|   |   |  Month of the Year(1-12)
|   |   |
|   |  Day of the Month(1-31)
|   |
|  Hour(0-23)
|
Min(0-59)
```

For Fixing a proper time you can visit:-
https://crontab.guru/

Backup of postgreSql Using Cronjob

Step I :- crontab -e



Step II :- 0 5 * * 1 pg_dump "host=localhost port=5432 user=postgres password=Your_db_Password dbname=db_name" > /home/bibek/Desktop/db_name_dump.sql

Explanation → Taking backup at every week 5 a.m

Backup of Mysql Using Cronjob

Step I:- create a .my.cnf file in a home directory

Step II:- Edit .my.cnf file like this

```
[client]
user = root
password = "dbpassword"
host = localhost

~
~
```

Step III:- create a jobs using crontab -e like this

```
55-57 * * * * mysqldump "host=localhost user=root password=CarloS@123. customer"

30-33 * * * * mysqldump --routines customer > /home/bibek/Desktop/backup.sql
```

Dynamic PostgreSql Backup using Cronjob

Step I:- Create a bash script like this

```
#!/bin/bash


pg_dump "host=localhost port=5432 user=postgres password=CarloS@123. dbname=hr"
> /home/bibek/Desktop/hr_dump$(date +_%b_%d_%y_%M).sql
~
~
```

Step II:- create a jobs using crontab -e like this

```
32-35 * * * * sh /home/bibek/Desktop/test.sh
```

Explanation:- Create a backup at every 32 and 35 min using name like **hr_dump_May_05_22_48.sql**

Now files looks like this,