

1-Install chronyd, and configure it for NTP servers

[<https://www.tecmint.com/install-chrony-in-centos-ubuntu-linux/>]

[<https://www.vultr.com/docs/install-an-ntp-server-with-chrony-on-ubuntu-20-04/>]

sudo apt install chrony

chronyc makestep

/etc/init.d/chrony stop

sudo service chrony start

chronyc tracking

```
fierro98@ubuntu:~$ /etc/init.d/chrony stop
Stopping chrony (via systemctl): chrony.service.
fierro98@ubuntu:~$ sudo service chrony start
fierro98@ubuntu:~$ chronyc tracking
Reference ID      : A29FC87B (time.cloudflare.com)
Stratum          : 4
Ref time (UTC)   : Thu Feb 03 14:35:03 2022
System time      : 0.000336813 seconds fast of NTP time
Last offset      : +0.000598013 seconds
RMS offset       : 0.000598013 seconds
Frequency        : 15.278 ppm slow
Residual freq    : +245.903 ppm
Skew             : 1000000.000 ppm
Root delay       : 0.090799741 seconds
Root dispersion  : 8.356966019 seconds
Update interval  : 2.2 seconds
Leap status      : Normal
fierro98@ubuntu:~$
```

2-Install Mysql, and create a database called itidb with one table

employeeTBL

id int (p)

name char 60

email char 60

[<https://www.digitalocean.com/community/tutorials/how-to-install-mysql-on-ubuntu-20-04>]

sudo apt update

sudo apt install mysql-server

sudo mysql_secure_installation

sudo mysql

Create database itidb;

Use itidb;

Create table employeeTBL (id int primary key, name char (60) , email char (60));

```
flerro98@ubuntu:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.28-0ubuntu0.20.04.3 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> Create database itidb;
Query OK, 1 row affected (0.02 sec)

mysql> Use itidb;
Database changed
mysql> Create table employeeTBL ( id int primary key, name char (60) , email char (60));
Query OK, 0 rows affected (0.14 sec)

mysql> show tables
+-----+
| Tables_in_itidb |
+-----+
| employeeTBL      |
+-----+
1 row in set (0.00 sec)

mysql> desc employeeTBL;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int    | NO   | PRI | NULL    |       |
| name  | char(60) | YES  |     | NULL    |       |
| email | char(60) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> 
```