

Instalación de Ubuntu Server

usuario: userver

password: 1q2w3e4r

```
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221
reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Noun.advj.csv ... 3328
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix      : 100% |#####|

done!
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode
Setting up libhtml-parser-perl (3.72-5) ...
Setting up libhttp-message-perl (6.22-1) ...
Setting up mysql-server (8.0.21-0ubuntu0.20.04.4) ...
Setting up libcgi-pm-perl (4.46-1) ...
Setting up libhtml-template-perl (2.97-1) ...
Setting up libcgi-fast-perl (1:2.15-1) ...
Processing triggers for systemd (245.4-4ubuntu3.2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.1) ...
root@userver:/home/userver# _
```

2.-Instalación de MySQL Server

```
System load:  0.17          Processes:      98
Usage of /:   45.4% of 8.79GB Users logged in: 0
Memory usage: 21%          IPv4 address for enp0s3: 10.0.2.15
Swap usage:   0%

6 updates can be installed immediately.
0 of these updates are security updates.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Sat Oct  3 18:30:51 UTC 2020 on tty1
userver@userver:~$ sudo apt-get update
[sudo] password for userver:
Hit:1 http://es.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://es.archive.ubuntu.com/ubuntu focal-updates InRelease [111 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu focal-backports InRelease [98.3 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu focal-security InRelease [107 kB]
Get:5 http://es.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [588 kB]
Get:6 http://es.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [150 kB]
Get:7 http://es.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [10.3 kB]
Get:8 http://es.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [666 kB]
Get:9 http://es.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [124 kB]
Get:10 http://es.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [12.0 kB]
Get:11 http://es.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [324 kB]
Get:12 http://es.archive.ubuntu.com/ubuntu focal-security/main Translation-en [175.5 kB]
Get:13 http://es.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [5000 B]
Get:14 http://es.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [506 kB]
Get:15 http://es.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [62.8 kB]
Get:16 http://es.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [8484 B]
Fetched 2848 kB in 14s (200 kB/s)
Reading package lists... Done
userver@userver:~$ _
```

```
Ubuntu Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

Ubuntu 20.04.1 LTS userver tty1

userver login: [ 12.915104] cloud-init[946]: Cloud-init v. 20.3-2-g371b392c-0ubuntu1~20.04.1 running 'modules:final' at Mon, 19 Oct 2020 16:24:01 +0000. Up 12.85 seconds.
[ 12.915199] cloud-init[946]: Cloud-init v. 20.3-2-g371b392c-0ubuntu1~20.04.1 finished at Mon, 19 Oct 2020 16:24:01 +0000. DataSource DataSourceNone. Up 12.91 seconds
[ 12.915261] cloud-init[946]: 2020-10-19 16:24:01,560 - cc_final_message.py[WARNING]: Used fallback datasource

userver login: userver
Password:
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.4.0-48-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

System information as of Mon Oct 19 16:24:13 UTC 2020

System load:  0.27          Processes:            100
Usage of /:   53.6% of 8.79GB Users logged in:          0
Memory usage: 52%          IPv4 address for enp0s3: 10.0.2.15
Swap usage:   0%

46 updates can be installed immediately.
35 of these updates are security updates.
To see these additional updates run: apt list --upgradable

Last login: Mon Oct 19 09:16:06 UTC 2020 on tty1
userver@userver:~$
```

Cómo acceder a MySQL Server desde consola con el usuario root

```
6 updates can be installed immediately.
0 of these updates are security updates.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Sat Oct 3 18:30:51 UTC 2020 on tty1
userver@userver:~$ sudo apt-get update
[sudo] password for userver:
Hit:1 http://es.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://es.archive.ubuntu.com/ubuntu focal-updates InRelease [111 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu focal-backports InRelease [98.3 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu focal-security InRelease [107 kB]
Get:5 http://es.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [588 kB]
Get:6 http://es.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [150 kB]
Get:7 http://es.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [10.3 kB]
Get:8 http://es.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [666 kB]
Get:9 http://es.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [124 kB]
Get:10 http://es.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [12.0 kB]
Get:11 http://es.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [324 kB]
Get:12 http://es.archive.ubuntu.com/ubuntu focal-security/main Translation-en [75.5 kB]
Get:13 http://es.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [5000 B]
Get:14 http://es.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [506 kB]
Get:15 http://es.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [62.8 kB]
Get:16 http://es.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [8484 B]
Fetched 2848 kB in 14s (200 kB/s)
Reading package lists... Done
userver@userver:~$ sudo apt-get install mysql-server
E: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 1761 (unattended-upgr)
N: Be aware that removing the lock file is not a solution and may break your system.
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), is another process using it?
userver@userver:~$ sudo su
root@userver:/home/userver#
```

```

reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Noun.advjv.csv ... 3328
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix : 100% |#####|

done!
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode
Setting up libhtml-parser-perl (3.72-5) ...
Setting up libhttp-message-perl (6.22-1) ...
Setting up mysql-server (8.0.21-0ubuntu0.20.04.4) ...
Setting up libcgi-pm-perl (4.46-1) ...
Setting up libhtml-template-perl (2.97-1) ...
Setting up libcgi-fast-perl (1:2.15-1) ...
Processing triggers for systemd (245.4-4ubuntu3.2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.1) ...
root@userver:/home/userver# sudo su
root@userver:/home/userver# mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.21-0ubuntu0.20.04.4 (Ubuntu)

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owners.

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

mysql>

```

4-Cómo cambiar la contraseña de la contraseña de usuario root.

```

reading /usr/share/mecab/dic/ipadic/Noun.advjv.csv ... 3328
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix : 100% |#####|

done!
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode
Setting up libhtml-parser-perl (3.72-5) ...
Setting up libhttp-message-perl (6.22-1) ...
Setting up mysql-server (8.0.21-0ubuntu0.20.04.4) ...
Setting up libcgi-pm-perl (4.46-1) ...
Setting up libhtml-template-perl (2.97-1) ...
Setting up libcgi-fast-perl (1:2.15-1) ...
Processing triggers for systemd (245.4-4ubuntu3.2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.1) ...
root@userver:/home/userver# sudo su
root@userver:/home/userver# mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.21-0ubuntu0.20.04.4 (Ubuntu)

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owners.

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

mysql> USE mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql>

```

```

Setting up libhtml-template-perl (2.97-1) ...
Setting up libcgi-fast-perl (1:2.15-1) ...
Processing triggers for systemd (245.4-4ubuntu3.2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.1) ...
root@userver:/home/userver# sudo su
root@userver:/home/userver# mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.21-0ubuntu0.20.04.4 (Ubuntu)

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owners.

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

mysql> USE mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SELECT User, host ,plugin FROM user;
+-----+-----+-----+
| User      | host      | plugin      |
+-----+-----+-----+
| debian-sys-maint | localhost | caching_sha2_password |
| mysql.infoschema | localhost | caching_sha2_password |
| mysql.session   | localhost | caching_sha2_password |
| mysql.sys       | localhost | caching_sha2_password |
| root           | localhost | auth_socket     |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> _

```

```

userver@userver:~$ mysql -u root
ERROR 1698 (28000): Access denied for user 'root'@'localhost'
userver@userver:~$ sudo su
[sudo] password for userver:
root@userver:/home/userver# sudo s
sudo: s: command not found
root@userver:/home/userver# mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.21-0ubuntu0.20.04.4 (Ubuntu)

```

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

```

mysql> USE mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

```

Database changed

```
mysql> SELECT User, host, plugin FROM user;
```

User	host	plugin
debian-sys-maint	localhost	caching_sha2_password
mysql.infoschema	localhost	caching_sha2_password
mysql.session	localhost	caching_sha2_password
mysql.sys	localhost	caching_sha2_password
root	localhost	auth_socket

5 rows in set (0.00 sec)

```
mysql> _
```

```

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.21-0ubuntu0.20.04.4 (Ubuntu)

```

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

```

mysql> USE mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

```

Database changed

```
mysql> SELECT User,host, plugin From user;
```

User	host	plugin
debian-sys-maint	localhost	caching_sha2_password
mysql.infoschema	localhost	caching_sha2_password
mysql.session	localhost	caching_sha2_password
mysql.sys	localhost	caching_sha2_password
root	localhost	auth_socket

5 rows in set (0.00 sec)

```

mysql> UPDATE user SET plugin='mysql_native_password' WHERE User='root';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

```

```

mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY '5t6y7u8i';
Query OK, 0 rows affected (0.01 sec)

```

```
mysql> _
```

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

```

mysql> USE mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

```

Database changed

```
mysql> SELECT User,host, plugin From user;
```

User	host	plugin
debian-sys-maint	localhost	caching_sha2_password
mysql.infoschema	localhost	caching_sha2_password
mysql.session	localhost	caching_sha2_password
mysql.sys	localhost	caching_sha2_password
root	localhost	auth_socket

5 rows in set (0.00 sec)

```

mysql> UPDATE user SET plugin='mysql_native_password' WHERE User='root';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

```

```

mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY '5t6y7u8i';
Query OK, 0 rows affected (0.01 sec)

```

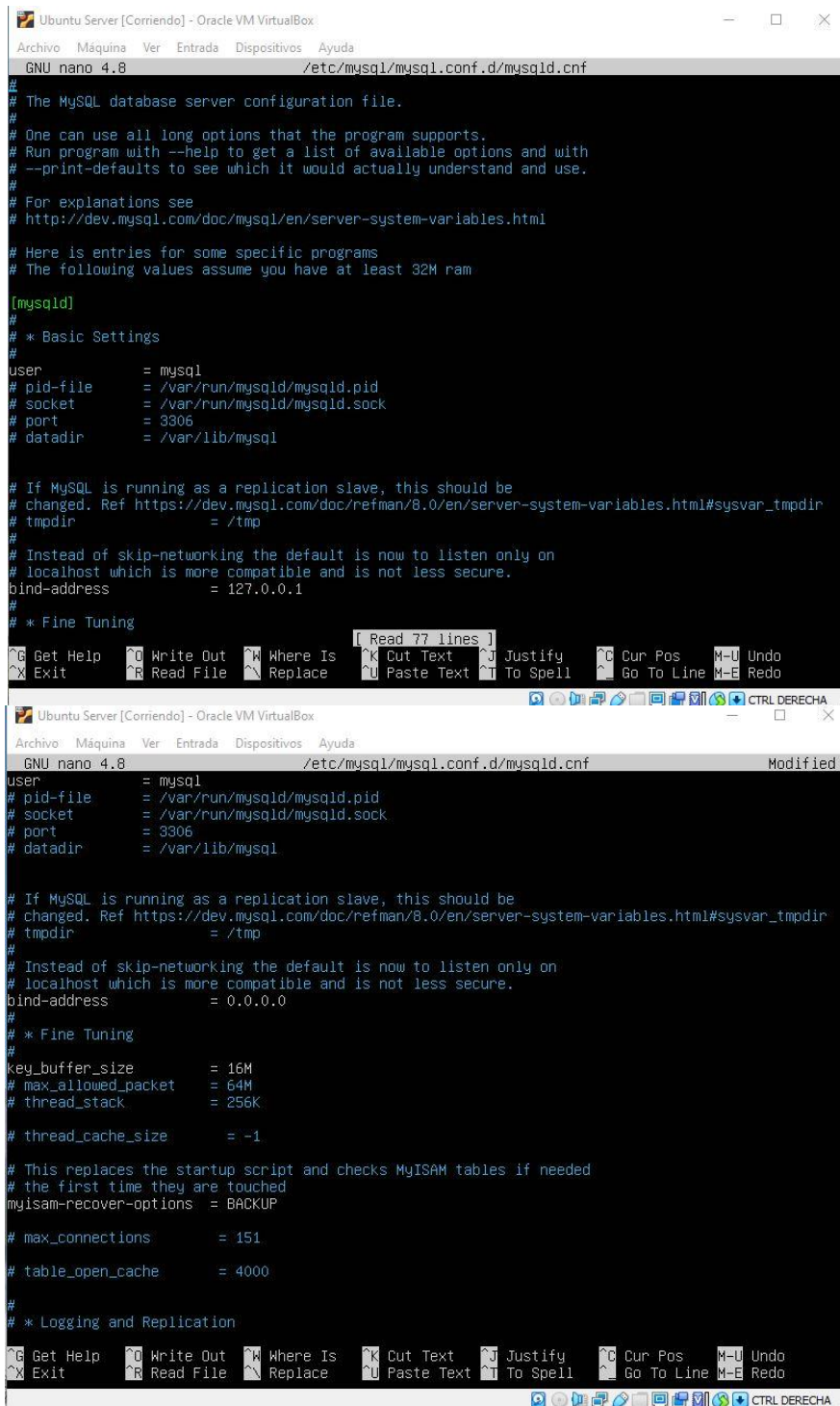
```

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

```

```
mysql>
```


5-Configuración de MySQL



```
Ubuntu Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 4.8 /etc/mysql/mysql.conf.d/mysqld.cnf

#
# The MySQL database server configuration file.
#
# One can use all long options that the program supports.
# Run program with --help to get a list of available options and with
# --print-defaults to see which it would actually understand and use.
#
# For explanations see
# http://dev.mysql.com/doc/mysql/en/server-system-variables.html
#
# Here is entries for some specific programs
# The following values assume you have at least 32M ram

[mysqld]
#
# * Basic Settings
#
user                = mysql
# pid-file           = /var/run/mysqld/mysqld.pid
# socket             = /var/run/mysqld/mysqld.sock
# port               = 3306
# datadir            = /var/lib/mysql

# If MySQL is running as a replication slave, this should be
# changed. Ref https://dev.mysql.com/doc/refman/8.0/en/server-system-variables.html#sysvar_tmpdir
# tmpdir             = /tmp
#
# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
bind-address        = 127.0.0.1
#
# * Fine Tuning
#
# Read 77 lines
^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos  M-U Undo
^X Exit      ^R Read File  ^N Replace   ^U Paste Text ^T To Spell  ^_ Go To Line M-E Redo

Ubuntu Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 4.8 /etc/mysql/mysql.conf.d/mysqld.cnf Modified

user                = mysql
# pid-file           = /var/run/mysqld/mysqld.pid
# socket             = /var/run/mysqld/mysqld.sock
# port               = 3306
# datadir            = /var/lib/mysql

# If MySQL is running as a replication slave, this should be
# changed. Ref https://dev.mysql.com/doc/refman/8.0/en/server-system-variables.html#sysvar_tmpdir
# tmpdir             = /tmp
#
# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
bind-address        = 0.0.0.0
#
# * Fine Tuning
#
key_buffer_size     = 16M
# max_allowed_packet = 64M
# thread_stack       = 256K
#
# thread_cache_size  = -1

# This replaces the startup script and checks MyISAM tables if needed
# the first time they are touched
myisam-recover-options = BACKUP

# max_connections    = 151
# table_open_cache    = 4000
#
# * Logging and Replication
```

```
Ubuntu Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
/etc/mysql/mysql.conf.d/mysqld.cnf
GNU nano 4.8

#
# * Logging and Replication
#
# Both location gets rotated by the cronjob.
#
# Log all queries
# Be aware that this log type is a performance killer.
# general_log_file      = /var/log/mysql/query.log
# general_log           = 1
#
# Error log - should be very few entries.
#
log_error = /var/log/mysql/error.log
#
# Here you can see queries with especially long duration
# slow_query_log         = 1
# slow_query_log_file    = /var/log/mysql/mysql-slow.log
# long_query_time        = 2
# log-queries-not-using-indexes
#
# The following can be used as easy to replay backup logs or for replication.
# note: if you are setting up a replication slave, see README.Debian about
# other settings you may need to change.
# server-id              = 1
# log_bin                = /var/log/mysql/mysql-bin.log
# binlog_expire_logs_seconds = 2592000
max_binlog_size = 100M
# binlog_do_db           = include_database_name
# binlog_ignore_db       = include_database_name
sudo /etc/init.d/mysql restart

userver@userver:~$ _
```

6- Lista de usuarios de MySQL

```
Ubuntu Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
# binlog_ignore_db = include_database_name
sudo /etc/init.d/mysql restart

userver@userver:~$ SELECT user ,host FROM mysql.user;
SELECT: command not found
userver@userver:~$ SELECT user,host FROM mysql.user;
SELECT: command not found
userver@userver:~$ sudo su
root@userver:/home/userver# mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.21-0ubuntu0.20.04.4 (Ubuntu)

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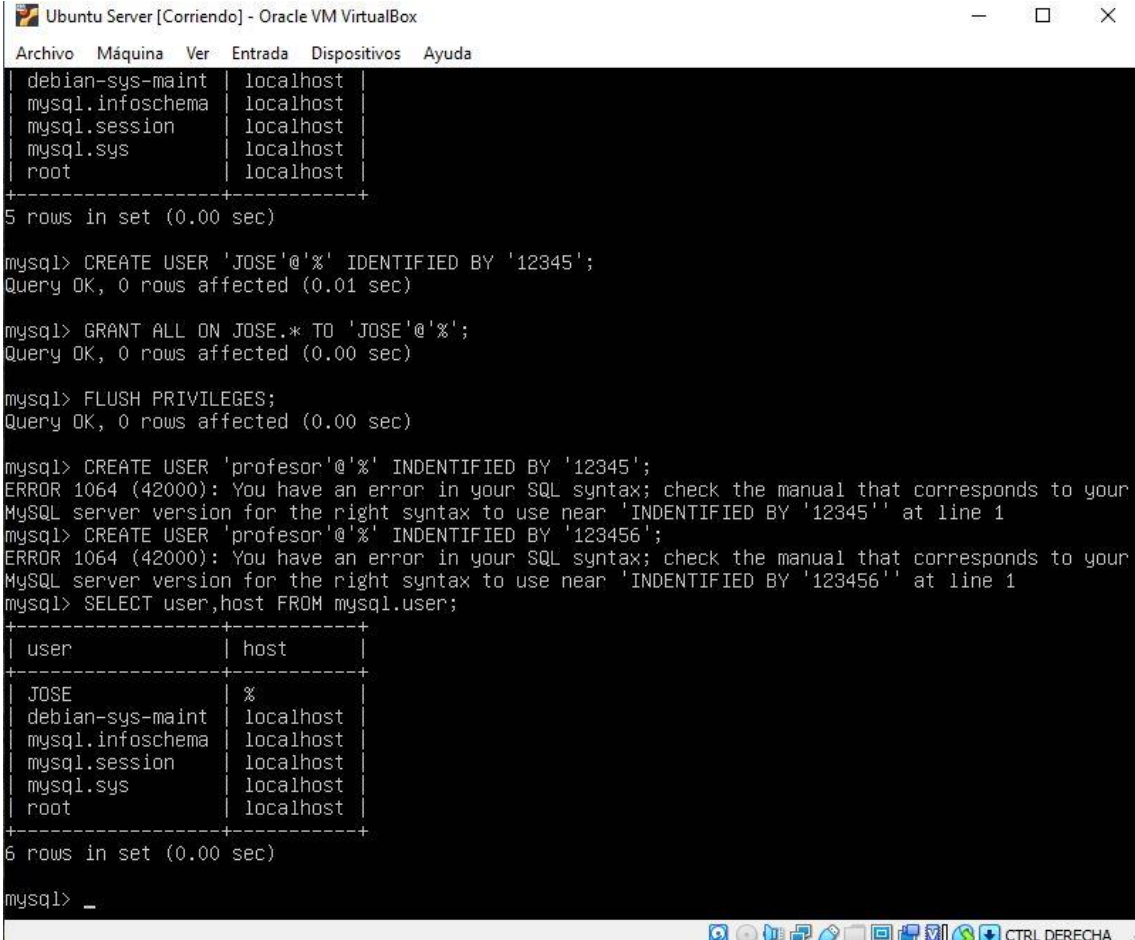
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owners.

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

mysql> SELECT user,host FROM mysql.user;
+-----+-----+
| user          | host          |
+-----+-----+
| debian-sys-maint | localhost    |
| mysql.infoschema | localhost    |
| mysql.session  | localhost    |
| mysql.sys      | localhost    |
| root           | localhost    |
+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

7-Asignando privilegios a un usuario para conectarnos desde una máquina remota.



```
Ubuntu Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

+-----+
| debian-sys-maint | localhost |
| mysql.infoschema | localhost |
| mysql.session    | localhost |
| mysql.sys        | localhost |
| root             | localhost |
+-----+
5 rows in set (0.00 sec)

mysql> CREATE USER 'JOSE'@'%' IDENTIFIED BY '12345';
Query OK, 0 rows affected (0.01 sec)

mysql> GRANT ALL ON JOSE.* TO 'JOSE'@'%';
Query OK, 0 rows affected (0.00 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql> CREATE USER 'profesor'@'%' IDENTIFIED BY '12345';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your
MySQL server version for the right syntax to use near 'IDENTIFIED BY '12345'' at line 1
mysql> CREATE USER 'profesor'@'%' IDENTIFIED BY '123456';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your
MySQL server version for the right syntax to use near 'IDENTIFIED BY '123456'' at line 1
mysql> SELECT user,host FROM mysql.user;
+-----+
| user      | host      |
+-----+
| JOSE      | %         |
| debian-sys-maint | localhost |
| mysql.infoschema | localhost |
| mysql.session    | localhost |
| mysql.sys        | localhost |
| root       | localhost |
+-----+
6 rows in set (0.00 sec)

mysql> _
```

8-Comprobamos que podemos conectarnos a MySQL.

9-Cómo iniciar. parar y consultar el estado de MySQL.

9.2- Método 2 /etc/init.d/mysql

10-Archivos de configuración de MySQL.

11-Archivos de log de MySQL.

