

mysql-linux

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 22:35
root@atomo-virtual-machine: /
root@atomo-virtual-machine:/#
root@atomo-virtual-machine:/# apt install mysql-server -y
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  libaiol libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin
  libfcgi-perl libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 mecab-ipadic
  mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server-8.0
  mysql-server-core-8.0
Paquetes sugeridos:
  libipc-sharedcache-perl mailx tinyca
Se instalarán los siguientes paquetes NUEVOS:
  libaiol libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin
  libfcgi-perl libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 mecab-ipadic
  mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server
  mysql-server-8.0 mysql-server-core-8.0
0 actualizados, 20 nuevos se instalarán, 0 para eliminar y 67 no actualizados.
Se necesita descargar 29,3 MB de archivos.
Se utilizarán 242 MB de espacio de disco adicional después de esta operación.
Des:1 http://ar.archive.ubuntu.com/ubuntu jammy/main amd64 mysql-common all 5.8+1.0.8 [7.212 B]
Des:2 http://ar.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-core-8.0 amd64 8.0.34-
0ubuntu0.22.04.1 [2.754 kB]
Des:3 http://ar.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-8.0 amd64 8.0.34-0ubun
tu0.22.04.1 [22,7 kB]
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 22:36
root@atomo-virtual-machine: /
root@atomo-virtual-machine:/# systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-08-17 22:36:22 -03; 26s ago
     Main PID: 4896 (mysqld)
    Status: "Server is operational"
      Tasks: 38 (limit: 4548)
     Memory: 365.0M
        CPU: 2.011s
    CGroup: /system.slice/mysql.service
            └─4896 /usr/sbin/mysqld

ago 17 22:36:19 atomo-virtual-machine systemd[1]: Starting MySQL Community Server...
ago 17 22:36:22 atomo-virtual-machine systemd[1]: Started MySQL Community Server.
root@atomo-virtual-machine:/#
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 22:38
root@atomo-virtual-machine: /

root@atomo-virtual-machine:/# mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0,01 sec)

mysql> |
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 22:41
root@atomo-virtual-machine: /

mysql> create database cafe;
Query OK, 1 row affected (0,00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| cafe |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0,00 sec)

mysql> use cafe;
Database changed
mysql> show table;
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 '' at line 1
mysql> show tables;
Empty set (0,00 sec)

mysql> |
```

Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)

17 de ago 22:44

root@atomo-virtual-machine: /

```
mysql>
mysql> create table expresso (
  -> id int,
  -> name varchar(255),
  -> region varchar(255),
  -> roast varchar(255)
  -> );
Query OK, 0 rows affected (0,03 sec)

mysql> show tables;
+-----+
| Tables_in_cafe |
+-----+
| expresso       |
+-----+
1 row in set (0,00 sec)

mysql> describe expresso;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int           | YES  |     | NULL    |       |
| name  | varchar(255) | YES  |     | NULL    |       |
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
Player 17 de ago 22:44
root@atomo-virtual-machine: /

-> region varchar(255),
-> roast varchar(255)
-> );
Query OK, 0 rows affected (0,03 sec)

mysql> show tables;
+-----+
| Tables_in_cafe |
+-----+
| espresso       |
+-----+
1 row in set (0,00 sec)

mysql> describe espresso;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int           | YES  |     | NULL    |       |
| name  | varchar(255)  | YES  |     | NULL    |       |
| region| varchar(255)  | YES  |     | NULL    |       |
| roast | varchar(255)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0,01 sec)

mysql> |
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
Player 17 de ago 22:54
root@atomo-virtual-machine: /

| id | name          | region    | roast |
+----+-----+-----+-----+
| 1  | default route| ethiopia  | light |
| 2  | docker       | mexico   | medium|
| 3  | helpdesk     | honduras | medium|
| 4  | on-call      | peru     | dark  |
| 5  | ip           | tanzania | blonde|
| 6  | ping         | colombia | dark  |
+----+-----+-----+-----+
6 rows in set (0,00 sec)

mysql> select name from espresso;
+-----+
| name          |
+-----+
| default route |
| docker        |
| helpdesk      |
| on-call       |
| ip            |
| ping          |
+-----+
6 rows in set (0,00 sec)

mysql> |
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 23:03
root@atomo-virtual-machine: /

mysql> select * from avengers;
+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | origin | age | alias |
+-----+-----+-----+-----+-----+
| 1 | thor | odinson | asgard | 1500 | strongest avenger |
| 2 | clint | barton | earth | 35 | hawkeye |
| 3 | tony | stark | earth | 52 | irin man |
| 4 | peter | parker | earth | 17 | spiderman |
| 5 | groot | groot | planet x | 18 | tree |
+-----+-----+-----+-----+-----+
5 rows in set (0,00 sec)

mysql> show tables;
+-----+
| Tables_in_cafe |
+-----+
| avengers |
| expresso |
+-----+
2 rows in set (0,00 sec)

mysql> |
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 23:07
root@atomo-virtual-machine: /

mysql> select * from avengers where origin = "earth" or origin = "asgard";
+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | origin | age | alias |
+-----+-----+-----+-----+-----+
| 1 | thor | odinson | asgard | 1500 | strongest avenger |
| 2 | clint | barton | earth | 35 | hawkeye |
| 3 | tony | stark | earth | 52 | irin man |
| 4 | peter | parker | earth | 17 | spiderman |
+-----+-----+-----+-----+-----+
4 rows in set (0,00 sec)

mysql> select alias from avengers where age < 30;
+-----+
| alias |
+-----+
| spiderman |
| tree |
+-----+
2 rows in set (0,01 sec)

mysql> |
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 23:09
root@atomo-virtual-machine: /

+-----+
| alias |
+-----+
| strongest avenger |
| tree |
+-----+
2 rows in set (0,00 sec)

mysql> insert into avengers values(6, "mike", "graham", "saturno", "118", "old man");
Query OK, 1 row affected (0,01 sec)

mysql> select * from avengers;
+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | origin | age | alias |
+-----+-----+-----+-----+-----+-----+
| 1 | thor | odinson | asgard | 1500 | strongest avenger |
| 2 | clint | barton | earth | 35 | hawkeye |
| 3 | tony | stark | earth | 52 | irin man |
| 4 | peter | parker | earth | 17 | spiderman |
| 5 | groot | groot | planet x | 18 | tree |
| 6 | mike | graham | saturno | 118 | old man |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0,00 sec)

mysql> |
```

```
Ubuntu23 - VMware Workstation 17 Player (Non-commercial use only)
17 de ago 23:12
root@atomo-virtual-machine: /

mysql> delete from avengers where first_name="mike";
Query OK, 1 row affected (0,01 sec)

mysql> select * from avengers;
+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | origin | age | alias |
+-----+-----+-----+-----+-----+-----+
| 1 | thor | odinson | asgard | 1500 | strongest avenger |
| 2 | clint | barton | earth | 35 | hawkeye |
| 3 | tony | stark | earth | 52 | irin man |
| 4 | peter | parker | earth | 17 | spiderman |
| 5 | groot | groot | planet x | 18 | tree |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0,00 sec)

mysql> update avengers set last_name = NULL where first_name="groot";
Query OK, 1 row affected (0,00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> |
```



```

mysql> select * from avengers;
+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | origin | age | alias |
+-----+-----+-----+-----+-----+-----+
| 1 | thor | odinson | asgard | 1500 | strongest avenger |
| 2 | clint | barton | earth | 35 | hawkeye |
| 3 | tony | stark | earth | 52 | irin man |
| 4 | peter | parker | earth | 17 | spiderman |
| 5 | groot | NULL | planet x | 18 | tree |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0,00 sec)

mysql> select * from avengers order by age asc;
+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | origin | age | alias |
+-----+-----+-----+-----+-----+-----+
| 4 | peter | parker | earth | 17 | spiderman |
| 5 | groot | NULL | planet x | 18 | tree |
| 2 | clint | barton | earth | 35 | hawkeye |
| 3 | tony | stark | earth | 52 | irin man |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0,00 sec)

mysql> |

```

The screenshot shows a terminal window with the following content:

```

mysql> create table avengers (
  id int(11) primary key,
  first_name varchar(45),
  last_name varchar(45),
  origin varchar(45),
  age int(11),
  alias varchar(45),
  beard boolean);
Query OK, 0 rows affected (0,04 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> insert into avengers values (1, 'thor', 'odinson', 'asgard', 1500, 'strongest avenger', true);
Query OK, 1 row affected (0,04 sec)

mysql> insert into avengers values (2, 'clint', 'barton', 'earth', 35, 'hawkeye', false);
Query OK, 1 row affected (0,04 sec)

mysql> insert into avengers values (3, 'tony', 'stark', 'earth', 52, 'iron man', false);
Query OK, 1 row affected (0,04 sec)

mysql> insert into avengers values (4, 'peter', 'parker', 'earth', 17, 'spiderman', false);
Query OK, 1 row affected (0,04 sec)

mysql> insert into avengers values (5, 'groot', 'NULL', 'planet x', 18, 'tree', false);
Query OK, 1 row affected (0,04 sec)

mysql> select * from avengers;
+----+-----+-----+-----+----+-----+-----+
| id | first_name | last_name | origin | age | alias | beard |
+----+-----+-----+-----+----+-----+-----+
| 1 | thor | odinson | asgard | 1500 | strongest avenger | true |
| 2 | clint | barton | earth | 35 | hawkeye | false |
| 3 | tony | stark | earth | 52 | iron man | false |
| 4 | peter | parker | earth | 17 | spiderman | false |
| 5 | groot | NULL | planet x | 18 | tree | false |
+----+-----+-----+-----+----+-----+-----+
5 rows in set (0,00 sec)

mysql>

```

