



UNIVERSIDAD TECNOLÓGICA DE TORREÓN

UNIDAD II

BASE DE DATOS PARA APLICACIONES

USUARIOS MYSQL PARTE 1

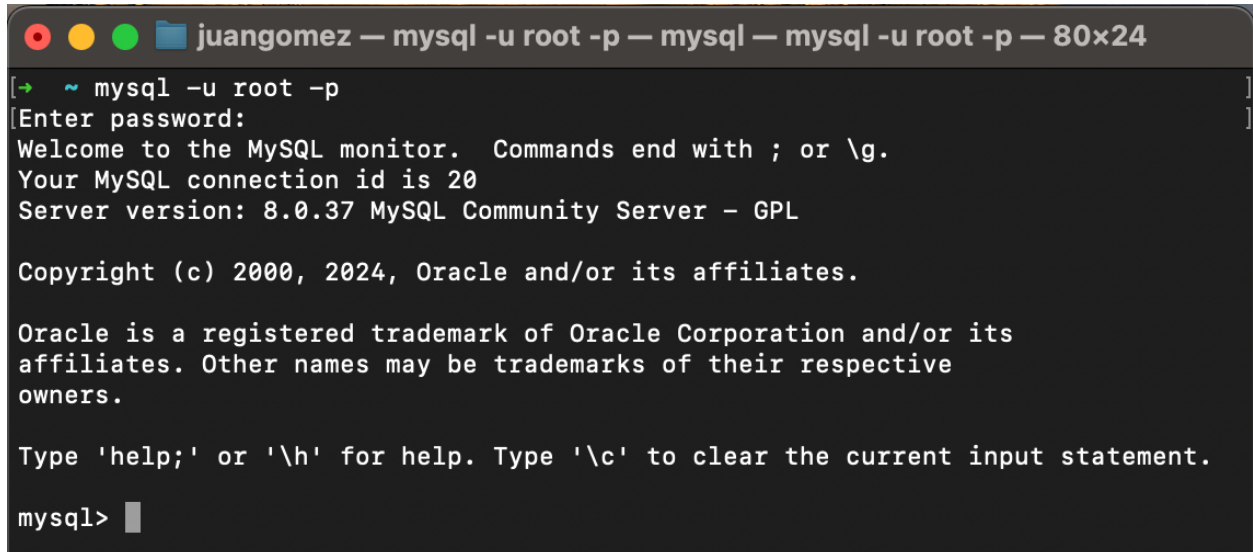
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20 DE JUNIO 2024

Conexión de usuarios al servidor desde Panel XAMPP – Shell o desde CMD

En XAMPP pulsar botón Shell y teclear

A terminal window with a dark background and light text. The title bar at the top reads 'juangomez — mysql -u root -p — mysql — mysql -u root -p — 80x24'. The terminal content shows the command 'mysql -u root -p' being entered, followed by a password prompt. After the password is entered, the MySQL monitor welcome message is displayed, including the connection ID (20) and server version (8.0.37). The prompt 'mysql>' is shown at the bottom with a cursor.

```
juangomez — mysql -u root -p — mysql — mysql -u root -p — 80x24
[→ ~ mysql -u root -p
[Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 20
Server version: 8.0.37 MySQL Community Server - GPL

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

mysql> █
```

Administración de usuarios.

Cambiar de nueva cuenta la contraseña a root

```
juangomez — mysql -u root -p — mysql — mysql -u root -p — 80x24
[mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY 'ImJagg_2004';
Query OK, 0 rows affected (0.00 sec)

mysql> █
```

Muestra usuarios

```
juangomez — mysql -u root -p — mysql — mysql -u root -p — 80x24
[mysql> select user from mysql.user;
+-----+
| user |
+-----+
| mysql.infoschema |
| mysql.session |
| mysql.sys |
| root |
+-----+
4 rows in set (0.00 sec)

[mysql> select host, user from mysql.user;
+-----+-----+
| host | user |
+-----+-----+
| localhost | mysql.infoschema |
| localhost | mysql.session |
| localhost | mysql.sys |
| localhost | root |
+-----+-----+
4 rows in set (0.00 sec)

mysql> █
```

Muestra permisos (privilegios) de root (usuarios)

```
mysql> SHOW GRANTS FOR 'root'@'localhost';
+-----+
| Grants for root@localhost |
+-----+
|
+-----+
| GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, SHUTDOWN, PROCESS, FILE, REFERENCES, INDEX, ALTER, SHOW DATABASES, SUPER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, CREATE USER, EVENT, TRIGGER, CREATE TABLESPACE, CREATE ROLE, DROP ROLE ON *.* TO 'root'@'localhost' WITH GRANT OPTION |
|
| GRANT APPLICATION_PASSWORD_ADMIN, AUDIT_ABORT_EXEMPT, AUDIT_ADMIN, AUTHENTICATION_POLICY_ADMIN, BACKUP_ADMIN, BINLOG_ADMIN, BINLOG_ENCRYPTION_ADMIN, CLONE_ADMIN, CONNECTION_ADMIN, ENCRYPTION_KEY_ADMIN, FIREWALL_EXEMPT, FLUSH_OPTIMIZER_COSTS, FLUSH_STATUS, FLUSH_TABLES, FLUSH_USER_RESOURCES, GROUP_REPLICATION_ADMIN, GROUP_REPLICATION_STREAM, INNODB_REDO_LOG_ARCHIVE, INNODB_REDO_LOG_ENABLE, PASSWORDLESS_USER_ADMIN, PERSISTENT_CONNECTION_ADMIN, REPLICATION_APPLIER, REPLICATION_SLAVE_ADMIN, RESOURCE_GROUP_ADMIN, RESOURCE_GROUP_USER, ROLE_ADMIN, SENSITIVE_VARIABLES_OBSERVER, SERVICE_CONNECTION_ADMIN, SESSION_VARIABLES_ADMIN, SET_USER_ID, SHOW_ROUTINE, SYSTEM_USER, SYSTEM_VARIABLES_ADMIN, TABLE_ENCRYPTION_ADMIN, TELEMETRY_LOG_ADMIN, XA_RECOVER_ADMIN ON *.* TO 'root'@'localhost' WITH GRANT OPTION |
| GRANT PROXY ON ``@`` TO 'root'@'localhost' WITH GRANT OPTION |
|
+-----+
3 rows in set (0.00 sec)
```

Usuarios – Privilegios

Crear usuarios.

Los usuarios creados son: juan, max y rosy.

```
[mysql> CREATE USER 'juan'@'localhost' IDENTIFIED BY '1234';
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE USER 'max'@'localhost' IDENTIFIED BY '1234';
Query OK, 0 rows affected (0.01 sec)

[mysql> CREATE USER 'rosy'@'localhost' IDENTIFIED BY '1234';
Query OK, 0 rows affected (0.01 sec)

mysql> SELECT User, Host FROM mysql.user;
+-----+-----+
| User          | Host          |
+-----+-----+
| juan          | localhost    |
| max           | localhost    |
| mysql.infoschema | localhost    |
| mysql.session | localhost    |
| mysql.sys     | localhost    |
| root          | localhost    |
| rosy          | localhost    |
+-----+-----+
7 rows in set (0.00 sec)

mysql> █
```

Asignar permisos (privilegios)

juan contara con todos los permisos.

```
mysql> GRANT ALL PRIVILEGES ON *.* TO 'juan'@'localhost';
Query OK, 0 rows affected (0.01 sec)

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

mysql> SHOW GRANTS FOR 'juan'@'localhost';
+-----+
| Grants for juan@localhost |
+-----+
| GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, SHUTDOWN, PROCESS, FILE, REFERENCES, INDEX, ALTER, SHOW DATABASES, SUPER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, CREATE USER, EVENT, TRIGGER, CREATE TABLESPACE, CREATE ROLE, DROP ROLE ON *.* TO 'juan'@'localhost' |
| GRANT APPLICATION_PASSWORD_ADMIN, AUDIT_ABORT_EXEMPT, AUDIT_ADMIN, AUTHENTICATION_POLICY_ADMIN, BACKUP_ADMIN, BINLOG_ADMIN, BINLOG_ENCRYPTION_ADMIN, CLONE_ADMIN, CONNECTION_ADMIN, ENCRYPTION_KEY_ADMIN, FIREWALL_EXEMPT, FLUSH_OPTIMIZER_COSTS, FLUSH_STATUS, FLUSH_TABLES, FLUSH_USER_RESOURCES, GROUP_REPLICATION_ADMIN, GROUP_REPLICATION_STREAM, INNO_DB_REDO_LOG_ARCHIVE, INNO_DB_REDO_LOG_ENABLE, PASSWORDLESS_USER_ADMIN, PERSISTENT_CONNECTION_ADMIN, REPLICATION_APPLIER, REPLICATION_SLAVE_ADMIN, RESOURCE_GROUP_ADMIN, RESOURCE_GROUP_USER, ROLE_ADMIN, SENSITIVE_VARIABLES_OBSERVER, SERVICE_CONNECTION_ADMIN, SESSION_VARIABLES_ADMIN, SET_USER_ID, SHOW_ROUTINE, SYSTEM_USER, SYSTEM_VARIABLES_ADMIN, TABLE_ENCRYPTION_ADMIN, TELEMETRY_LOG_ADMIN, XA_RECOVER_ADMIN ON *.* TO 'juan'@'localhost' |
+-----+
2 rows in set (0.00 sec)
```

Terminal usuario juan.

```
[➤ ~ mysql -u juan -p
[Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 24
Server version: 8.0.37 MySQL Community Server - GPL

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

mysql> █
```

max contará con permisos SELECT, CREATE, DROP y UPDATE.

```
[mysql> GRANT SELECT, CREATE, DROP, UPDATE ON *.* TO 'max'@'localhost'
-> ;
Query OK, 0 rows affected (0.01 sec)

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

[mysql> SHOW GRANTS FOR 'max'@'localhost';
+-----+
| Grants for max@localhost |
+-----+
| GRANT SELECT, UPDATE, CREATE, DROP ON *.* TO `max`@`localhost` |
+-----+
1 row in set (0.00 sec)
```

Terminal usuario max.

```
[➔ ~ mysql -u max -p
[Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 25
Server version: 8.0.37 MySQL Community Server - GPL

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mysql> █
```

rosy contará con permisos DELETE y GRANT OPTION.

```
[mysql> GRANT DELETE, GRANT OPTION ON *.* TO 'rosy'@'localhost'
-> ;
Query OK, 0 rows affected (0.01 sec)

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

[mysql> SHOW GRANTS FOR 'rosy'@'localhost';
+-----+
| Grants for rosy@localhost |
+-----+
| GRANT DELETE ON *.* TO `rosy`@`localhost` WITH GRANT OPTION |
+-----+
1 row in set (0.00 sec)

mysql> █
```

Terminal usuario rosy.

```
[➔ ~ mysql -u rosy -p
[Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 26
Server version: 8.0.37 MySQL Community Server - GPL

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

mysql> █
```