

UD7 . Gestión de Usuarios

Ej1 .

-Creamos el usuario:

```
CREATE USER "Gandalf" @"localhost" IDENTIFIED BY "112233";
```

-Le damos los permisos requeridos:

```
GRANT ALL PRIVILEGES ON *.* TO "Gandalf" @"localhost" WITH GRANT OPTION;
```

-Comprobamos que el usuario se encuentra en el sistema:

```
USE mysql;
```

```
SELECT user FROM user;
```

-Cambiamos la contraseña:

```
ALTER USER "Gandalf" @"localhost" IDENTIFIED BY "445566";
```

Ej2.

-Accedemos a MySQL desde el usuario Gandalf:

```
PS C:\Users\rbnre> mysql -u Gandalf -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.27 MySQL Community Server - GPL

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

mysql> |
```

-Creamos los usuarios frodo, sam y gollum:

```
CREATE USER "frodo" @"%" IDENTIFIED BY "1111";
```

```
CREATE USER "sam" @"%" IDENTIFIED BY "2222";
```

```
CREATE USER "gollum" @"%" IDENTIFIED BY "3333";
```

-Les damos a cada uno el permiso SELECT desde cualquier lado:

```
GRANT select ON * . * TO "frodo"@"%";
```

```
GRANT select ON * . * TO "sam"@"%";
```

```
GRANT select ON * . * TO 'gollum'@"%";
```

-Creamos los mismos usuarios pero para que puedan acceder desde el "localhost" con los permisos correspondientes:

```
CREATE USER "frodo" @"localhost" IDENTIFIED BY "1111";
```

```
GRANT SELECT, UPDATE ON * . * TO "frodo"@"localhost";
```

```
CREATE USER "sam" @"localhost" IDENTIFIED BY "2222";
```

```
GRANT SELECT, UPDATE ON * . * TO "sam"@"localhost";
```

```
CREATE USER "gollum" @"localhost" IDENTIFIED BY "3333";
```

```
GRANT SELECT, UPDATE ON * . * TO "gollum"@"localhost";
```

-Como al quitarle el permiso de Update de Gollum, el resultado del mismo sería el mismo que el que tiene el usuario "gollum"@"%", eliminaremos al usuario "gollum"@"localhost":

```
DROP USER "gollum"@"localhost";
```

-Aunque podríamos revocarle el permiso Update, en este caso "gollum"@"%" y "gollum"@"localhost" quedarían idénticos

```
REVOKE UPDATE ON * . * FROM "gollum"@"localhost";
```

```
mysql> SHOW GRANTS FOR 'frodo'@'%';
+-----+
| Grants for frodo@% |
+-----+
| GRANT SELECT ON *.* TO `frodo`@`%` |
+-----+
1 row in set (0.00 sec)

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

mysql> SHOW GRANTS FOR 'sam'@'%';
+-----+
| Grants for sam@% |
+-----+
| GRANT SELECT ON *.* TO `sam`@`%` |
+-----+
1 row in set (0.00 sec)

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

mysql> SHOW GRANTS FOR 'gollum'@'%';
+-----+
| Grants for gollum@% |
+-----+
| GRANT SELECT ON *.* TO `gollum`@`%` |
+-----+
1 row in set (0.00 sec)

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

Ej3.

-Creamos el usuario "galadriel" como va a tener permisos distintos para "localhost" y "%" creamos un usuario para cada localización:

```
CREATE USER "galadriel" @"%" IDENTIFIED BY "0000";
```

```
CREATE USER "galadriel" @"localhost" IDENTIFIED BY "0000";
```

-Le damos los permisos para cada localización:

```
GRANT SELECT, UPDATE, INSERT, DELETE ON musi80_03.* TO "galadriel" @"localhost";
```

```
GRANT SELECT, UPDATE, INSERT, DELETE ON biblioteca.libro TO "galadriel" @"%";
```

-Comprobamos los permisos que tiene el usuario:

```
mysql> SHOW GRANTS FOR "galadriel" @"%";
+-----+
| Grants for galadriel@% |
+-----+
| GRANT USAGE ON *.* TO `galadriel`@`%` |
| GRANT SELECT, INSERT, UPDATE, DELETE ON `biblioteca`.`libro` TO `galadriel`@`%` |
+-----+
2 rows in set (0.00 sec)

mysql> SHOW GRANTS FOR "galadriel" @"localhost";
+-----+
| Grants for galadriel@localhost |
+-----+
| GRANT USAGE ON *.* TO `galadriel`@`localhost` |
| GRANT SELECT, INSERT, UPDATE, DELETE ON `musi80_03`.`*` TO `galadriel`@`localhost` |
+-----+
2 rows in set (0.00 sec)
```

EJ4.

-Visualizamos los usuarios existentes:

```
mysql> SELECT user, host from mysql.user;
+-----+-----+
| user          | host          |
+-----+-----+
| frodo         | %             |
| galadriel     | %             |
| gollum        | %             |
| sam           | %             |
| Gandalf       | localhost     |
| frodo         | localhost     |
| galadriel     | localhost     |
| gollum        | localhost     |
| mysql.infoschema | localhost     |
| mysql.session | localhost     |
| mysql.sys     | localhost     |
| root          | localhost     |
| sam           | localhost     |
| testDAWERS    | localhost     |
+-----+-----+
14 rows in set (0.00 sec)
```

-Eliminamos todos los permisos a los usuarios creados para la tarea:

```
REVOKE ALL ON *.* FROM "galadriel"@"%";
```

```
REVOKE ALL ON *.* FROM "gollum"@"%";
```

```
REVOKE ALL ON *.* FROM "sam"@"%";
```

```
REVOKE ALL ON *.* FROM "frodo"@"%";
```

```
REVOKE ALL ON *.* FROM "Gandalf"@"% ";
```

Al estar usando el user “Gandalf” desde este momento ya no tiene permisos para hacer nada, por lo que pasamos al usuario “root” para poder eliminar los usuarios creados:

```
DROP USER "galadriel"@"%";
```

```
DROP USER "galadriel"@"localhost";
```

```
DROP USER "gollum"@"%";
```

```
DROP USER "gollum"@"localhost";
```

```
DROP USER "sam"@"%";
```

```
DROP USER "sam"@"localhost";
```

```
DROP USER "frodo"@"%";
```

```
DROP USER "frodo"@"localhost";
```

```
DROP USER "Gandalf"@"localhost";
```