



UNIVERSIDAD AUTÓNOMA DE
CHIHUAHUA

UNIVERSIDAD AUTÓNOMA DE CHIHUAHUA
Facultad de Ingeniería



Ingeniería en Ciencias de la Computación

Bases de Datos Avanzadas

Seguridad de la base de datos

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1. Usuario administrador de la base de datos de sakila.

The screenshot shows the MySQL Workbench 'Users and Privileges' window. The left sidebar contains 'MANAGEMENT' (Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, Data Import/Restore) and 'INSTANCE' (Startup / Shutdown, Server Logs, Options File). The 'PERFORMANCE' section is also visible. The main area is titled 'Advanced Databases Users and Privileges'. It features a 'User Accounts' table and a 'Details for account newuser@%' panel.

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
newuser	%
root	%
root	localhost
student	%

Details for account newuser@%

- Login:** Login Name: sakilaManager. Note: You may create multiple accounts with the same name to connect from different hosts.
- Account Limits:** Authentication Type: caching_sha2_password. Note: For the standard password and/or host based authentication, select 'Standard'.
- Limit to Hosts Matching:** % (Note: % and _ wildcards may be used)
- Password:** [Masked]. Note: Type a password to reset it. A red warning 'Weak password.' is displayed.
- Confirm Password:** [Masked]. Note: Enter password again to confirm.
- Authentication String:** [Empty]. Note: Authentication plugin specific parameters.

See the plugin documentation for valid values and details.

The screenshot shows the MySQL Workbench 'Users and Privileges' window, similar to the first one, but with the 'sakilaManager@%' account selected in the 'User Accounts' table. The 'Details for account sakilaManager@%' panel shows the 'Account Limits' tab.

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
root	%
root	localhost
sakilaManager	%
student	%

Details for account sakilaManager@%

- Account Limits:**
 - Max. Queries: 1000. Note: Number of queries the account can execute within one hour.
 - Max. Updates: 100. Note: Number of updates the account can execute within one hour.
 - Max. Connections: 10. Note: The number of times the account can connect to the server per hour.
 - Concurrent Connections: 5. Note: The number of simultaneous connections to the server the account can have.

Administration - Users and Privileges

Users and Privileges

User Accounts

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
root	%
root	localhost
sakilaManager	%
student	%

Details for account sakilaManager@%

Login	Account Limits	Administrative Roles	Schema Privileges
sakila			ALTER, ALTER ROUTINE, CREATE, CREATE ROUTINE, CREATE TEMPORARY TABLES, CREATE VIEW, DELETE, DROP, EVENT, EXECUTE, GRANT OPTION, INDEX, INSERT, LOCK TABLES, REFERENCES, SE

Schema and host fields may use % and _ wildcards. The server will match specific entries before wildcarded ones.

The user 'sakilaManager'@'%' will have the following access rights to the schema 'sakila':

Object Rights

- ☒ SELECT
- ☒ INSERT
- ☒ UPDATE
- ☒ DELETE
- ☒ EXECUTE
- ☒ SHOW VIEW

DDL Rights

- ☒ CREATE
- ☒ ALTER
- ☒ REFERENCES
- ☒ INDEX
- ☒ CREATE VIEW
- ☒ CREATE ROUTINE
- ☒ ALTER ROUTINE
- ☒ EVENT
- ☒ DROP
- ☒ TRIGGER

Other Rights

- ☒ GRANT OPTION
- ☒ CREATE TEMPORARY TABLES
- ☒ LOCK TABLES

Buttons: Revoke All Privileges, Delete Entry, Add Entry...

Buttons: Unselect All, Select "ALL"

Buttons: Add Account, Delete, Refresh

Buttons: Revert, Apply

2. Usuario que puede crear y modificar tablas de sakila

Administration - Users and Privileges

Users and Privileges

User Accounts

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
newuser	%
root	%
root	localhost
sakilaManager	%
student	%

Details for account newuser@%

Login	Account Limits	Administrative Roles	Schema Privileges
<p>Login Name: sakila_mod</p> <p>Authentication Type: caching_sha2_password</p> <p>Limit to Hosts Matching: %</p> <p>Password:</p> <p>Confirm Password:</p> <p>Authentication String: </p>	<p>You may create multiple accounts with the same name to connect from different hosts.</p> <p>For the standard password and/or host based authentication, select 'Standard'.</p> <p>% and _ wildcards may be used</p> <p>Type a password to reset it.</p> <p>Weak password.</p> <p>Enter password again to confirm.</p> <p>Authentication plugin specific parameters.</p>		

See the plugin documentation for valid values and details.

Administration - Users and Privileges

Users and Privileges

User Accounts

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
root	%
root	localhost
sakilaManager	%
sakila_mod	%
student	%

Details for account sakila_mod@%

Login	Account Limits	Administrative Roles	Schema Privileges
<p>Max. Queries: 1</p> <p>Max. Updates: 1000</p> <p>Max. Connections: 5</p> <p>Concurrent Connections: 5</p>	<p>Number of queries the account can execute within one hour.</p> <p>Number of updates the account can execute within one hour.</p> <p>The number of times the account can connect to the server per hour.</p> <p>The number of simultaneous connections to the server the account can have.</p>		

Administration
Query 3
Administration - Users and Privileges

MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variab
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setu

Advanced Databases
Users and Privileges

User Accounts

Details for account sakila_mod@%

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
root	%
root	localhost
sakilaManager	%
sakila_mod	%
student	%

Login	Account Limits	Administrative Roles	Schema Privileges
sakila			ALTER, CREATE

Schema and Host fields may use % and _ wildcards.
The server will match specific entries before wildcarded ones.

The user 'sakila_mod'@'%' will have the following access rights to the schema 'sakila':

Object Rights
☐ SELECT
☐ INSERT
DDL Rights
☒ CREATE
☒ ALTER

3. Usuario que puede manipular información de sakila

Administration
Query 3
Administration - Users and Privileges

MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variab
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setu

Advanced Databases
Users and Privileges

User Accounts

Details for account newuser@%

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
newuser	%
root	%
root	localhost
sakilaManager	%
sakila_mod	%
student	%

Login	Account Limits	Administrative Roles	Schema Privileges
sakilaDev			

Login Name: You may create multiple accounts with the same name to connect from different hosts.

Authentication Type: For the standard password and/or host based authentication, select 'Standard'.

Limit to Hosts Matching: % and _ wildcards may be used

Password: Type a password to reset it.

Confirm Password: Enter password again to confirm.

Authentication String: Authentication plugin specific parameters.

See the plugin documentation for valid values and details.

Administration

Query 3Administration - Users and Privileges

MANAGEMENT

Server Status

Client Connections

Users and Privileges

Status and System Variables

Data Export

Data Import/Restore

INSTANCE

Startup / Shutdown

Server Logs

Options File

PERFORMANCE

Dashboard

Performance Reports

Performance Schema Setup

Advanced Databases

Users and Privileges

User Accounts

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
root	%
root	localhost
sakilaDev	%
sakilaManager	%
sakila_mod	%
student	%

Details for account sakilaDev@%

Login	Account Limits	Administrative Roles	Schema Privileges
	Max. Queries: 1000	Number of queries the account can execute within one hour.	
	Max. Updates: 1000	Number of updates the account can execute within one hour.	
	Max. Connections: 4	The number of times the account can connect to the server per hour.	
	Concurrent Connections: 3	The number of simultaneous connections to the server the account can have.	

Administration

Query 3Administration - Users and Privileges

MANAGEMENT

Server Status

Client Connections

Users and Privileges

Status and System Variables

Data Export

Data Import/Restore

INSTANCE

Startup / Shutdown

Server Logs

Options File

PERFORMANCE

Dashboard

Performance Reports

Performance Schema Setup

Advanced Databases

Users and Privileges

User Accounts

User	From Host
developer	%
manager	%
mysql.infosche	localhost
mysql.session	localhost
mysql.sys	localhost
root	%
root	localhost
sakilaDev	%
sakilaManager	%
sakila_mod	%
student	%

Details for account sakilaDev@%

Login	Account Limits	Administrative Roles	Schema Privileges				
			<table><thead><tr><th>Schema</th><th>Privileges</th></tr></thead><tbody><tr><td>sakila</td><td>DELETE, EXECUTE, INSERT, SELECT, SHOW VIEW</td></tr></tbody></table>	Schema	Privileges	sakila	DELETE, EXECUTE, INSERT, SELECT, SHOW VIEW
Schema	Privileges						
sakila	DELETE, EXECUTE, INSERT, SELECT, SHOW VIEW						

Object Info

Schema: sakila

Schema and Host fields may use % and _ wildcards.
The server will match specific entries before wildcarded ones.

The user 'sakilaDev'@'%' will have the following access rights to the schema 'sakila':

Object Rights

☒ SELECT

☒ INSERT

☐ UPDATE

☒ DELETE

☒ EXECUTE

☒ SHOW VIEW

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