


INSTALACIÓN Y CONFIGURACIÓN DE MYSQL

INSTALACIÓN DE MYSQL

<https://www.youtube.com/watch?v=DJKcOvOML98>


1. Descargar la última versión de MySQL Community desde la página oficial: <https://dev.mysql.com/downloads/>. En mi caso fue la versión 8.0.43. Se recomienda escoger la de mayor tamaño.

 **MySQL Community Downloads**

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository
- MySQL Community Server
- MySQL NDB Cluster
- MySQL Router
- MySQL Shell
- MySQL Operator
- MySQL NDB Operator
- MySQL Workbench
- **MySQL Installer for Windows**

- C API (libmysqlclient)
- Connector/C++
- Connector/J
- Connector/NET
- Connector/Node.js
- Connector/ODBC
- Connector/Python
- MySQL Native Driver for PHP
- MySQL Benchmark Tool
- Time zone description tables
- Download Archives


MySQL Installer 8.0.43


Note: MySQL 8.0 is the final series with MySQL Installer. As of MySQL 8.1, use a MySQL product's MSI or Zip archive for installation. MySQL Server 8.1 and higher also bundle MySQL Configurator, a tool that helps configure MySQL Server.


Select Version:
 8.0.43

Select Operating System:
 Microsoft Windows

Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-web-community-8.0.43.0.msi)</small>	8.0.43	2.1M	Download
Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-community-8.0.43.0.msi)</small>	8.0.43	354.3M	Download


 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

2. Ejecutar el instalable y realizar una instalación Personalizada:


MySQL. Installer
 Adding Community

Choosing a Setup Type
 Select Products
 Download
 Installation
 Installation Complete

Choosing a Setup Type

Please select the Setup Type that suits your use case.

☐ **Server only**
 Installs only the MySQL Server product.

☐ **Client only**
 Installs only the MySQL Client products, without a server.

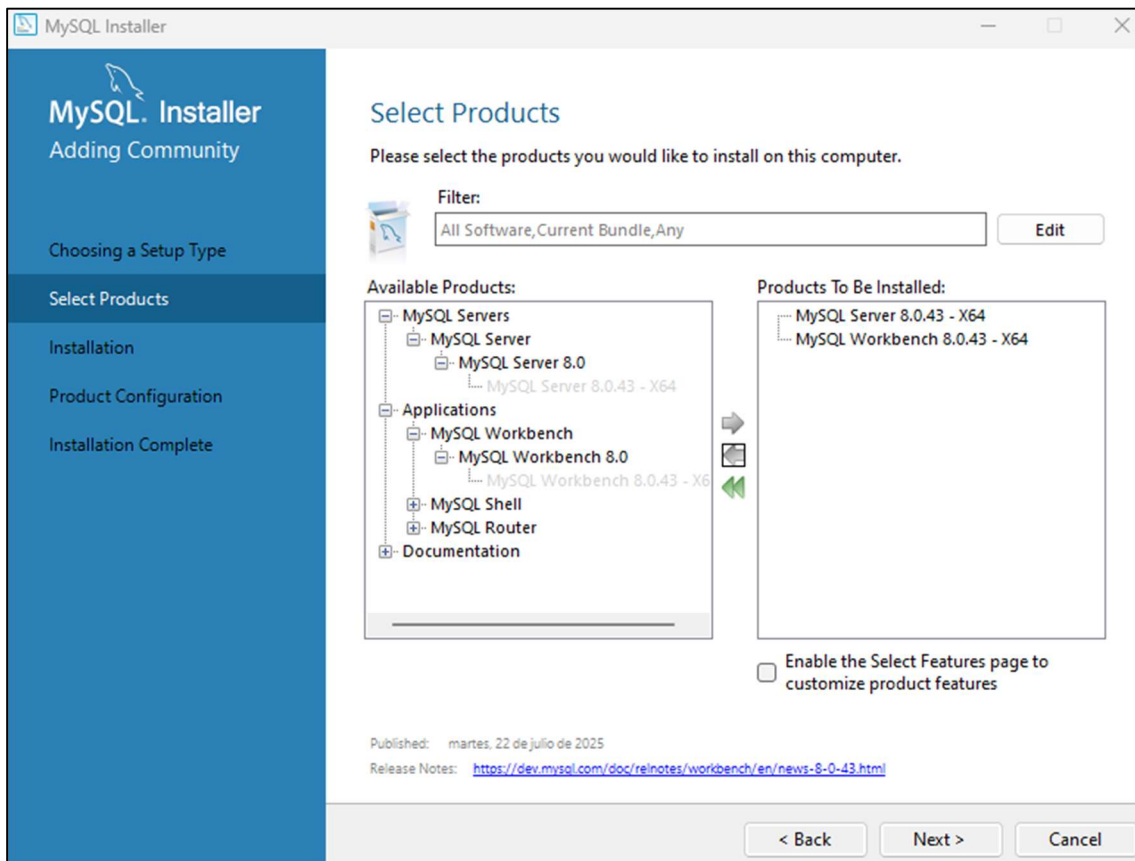
☐ **Full**
 Installs all included MySQL products and features.

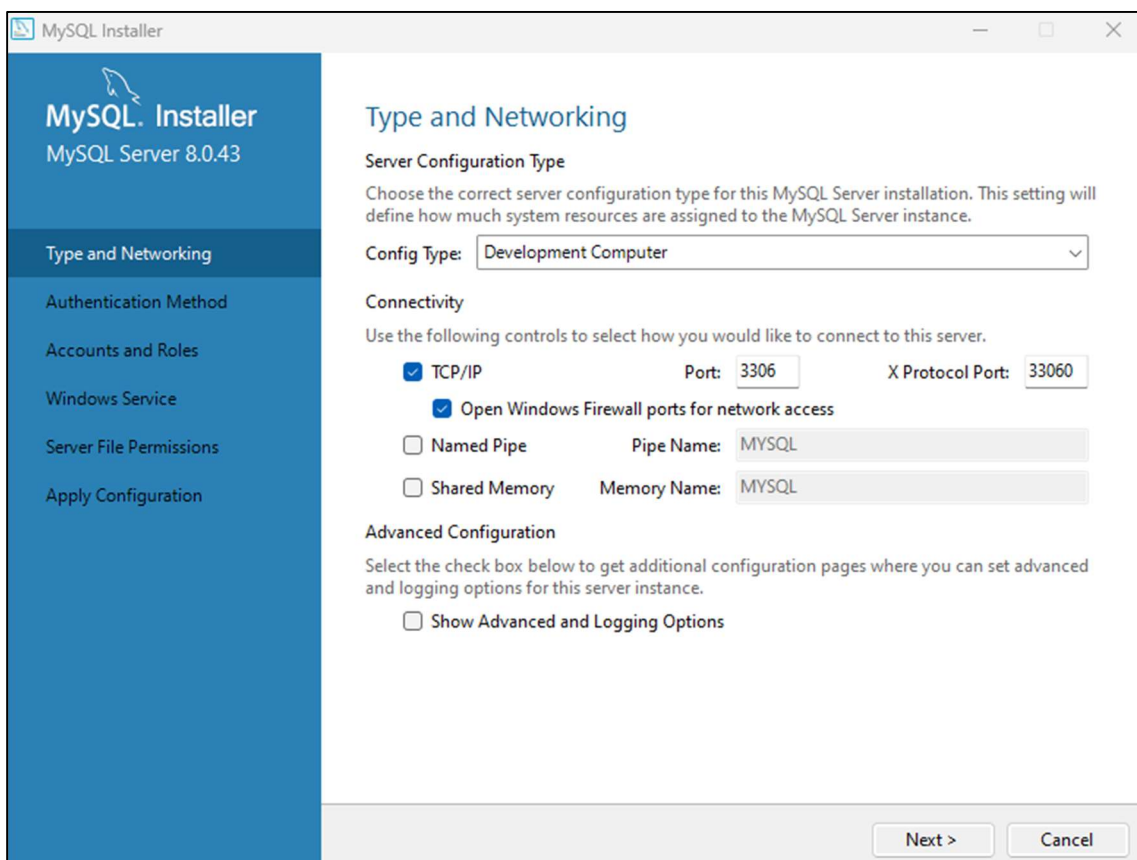
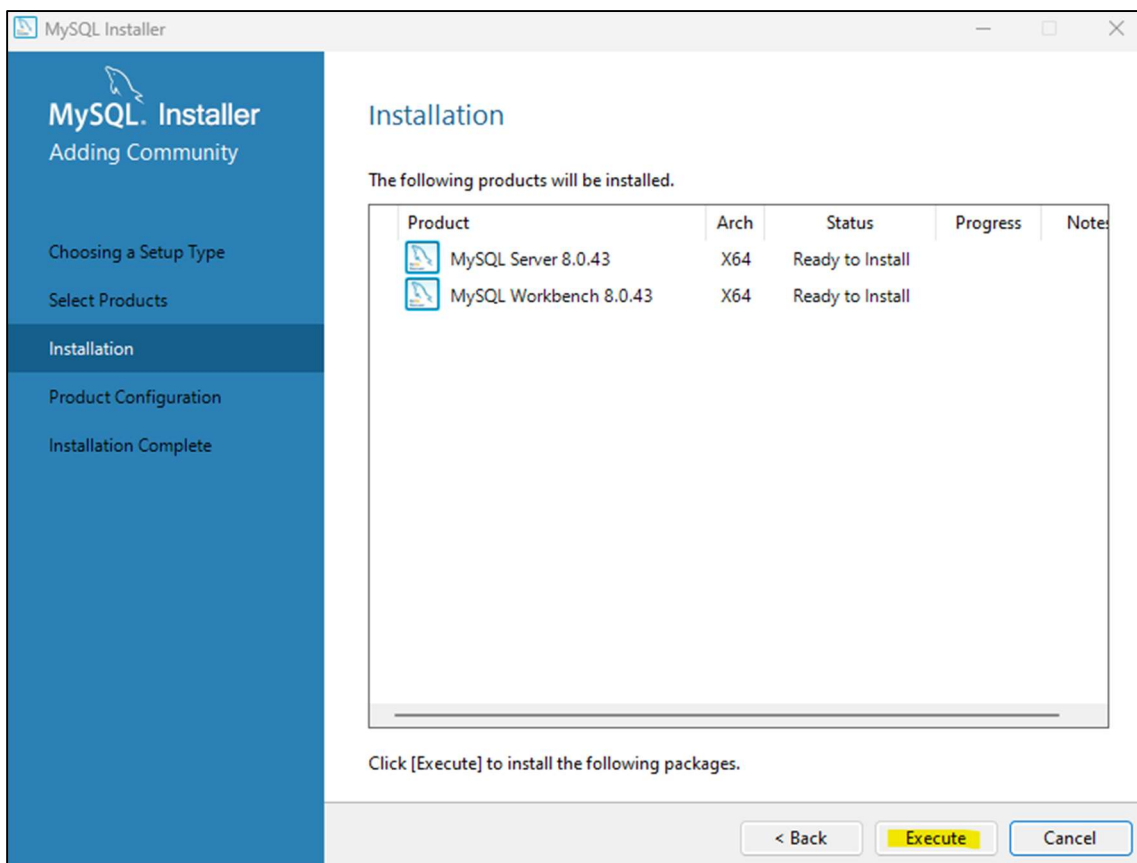
☒ **Custom**
 Manually select the products that should be installed on the system.

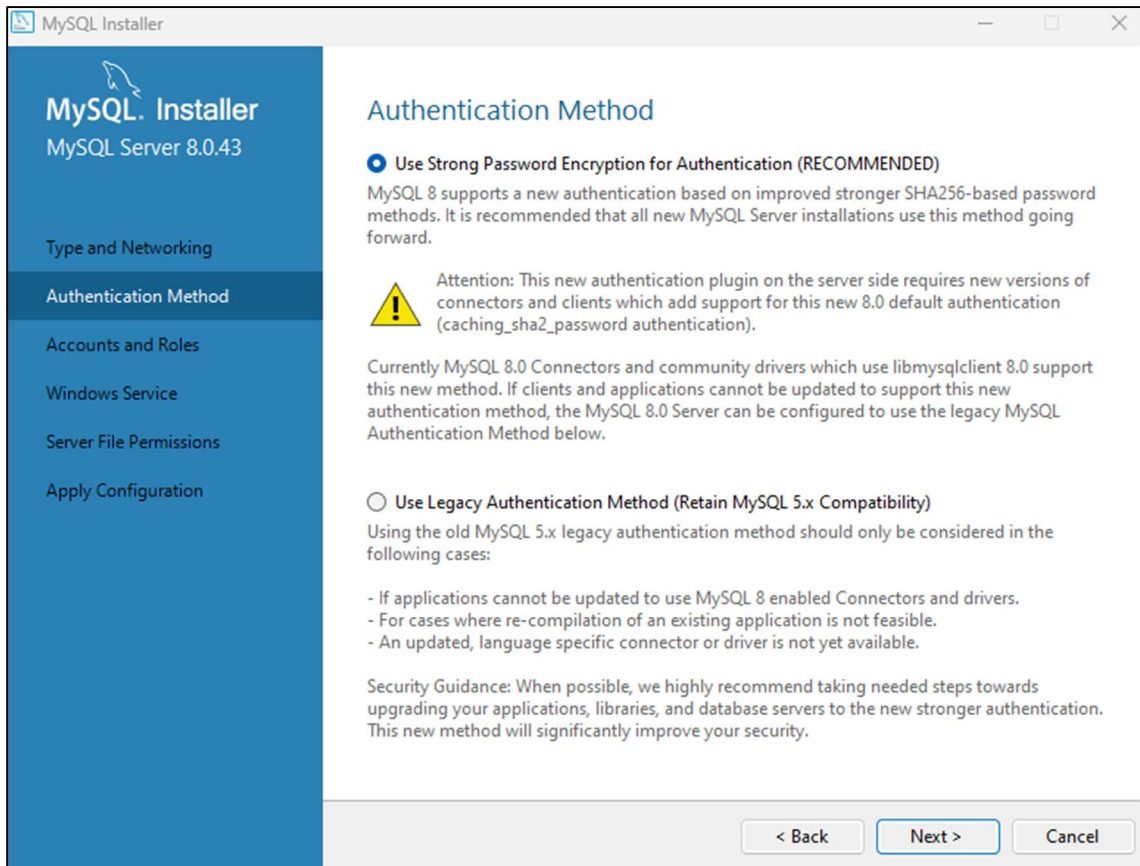
Setup Type Description
 Allows you to select exactly which products you would like to install. This also allows to pick other server versions and architectures (depending on your OS).

[Next >](#)
[Cancel](#)

3. Sólo vamos a necesitar instalar el servidor y el workbench:







4. Hay que indicar la contraseña para el usuario root. Se recomienda de inicio poner una que sea fuerte, aunque se podrá modificar desde el Workbench si fuese necesario.

MySQL. Installer

MySQL Server 8.0.43

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

Accounts and Roles

Root Account Password

Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

Password strength: **Weak**

MySQL User Accounts

Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
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Add UserEdit UserDelete

< BackNext >Cancel

MySQL. Installer

MySQL Server 8.0.43

Type and Networking

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Apply Configuration

Windows Service

☒ Configure MySQL Server as a Windows Service

Windows Service Details

Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.

Windows Service Name:

☒ Start the MySQL Server at System Startup

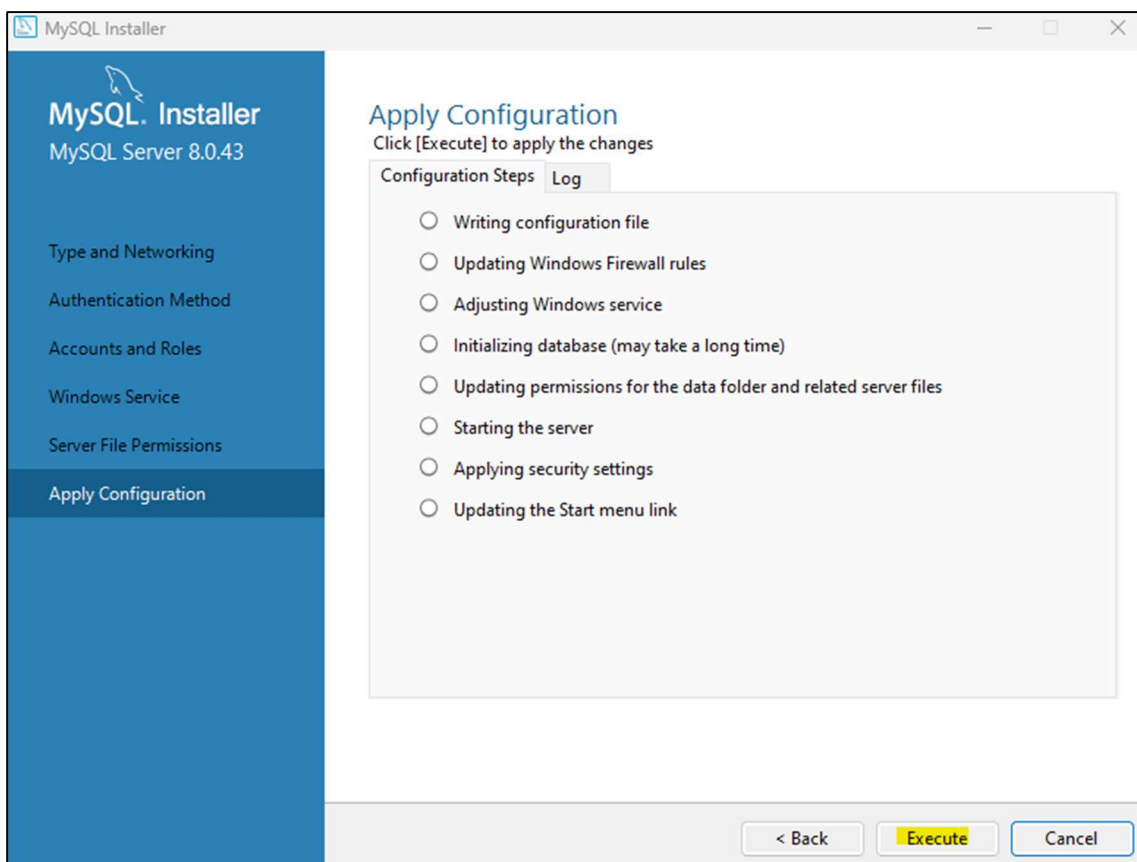
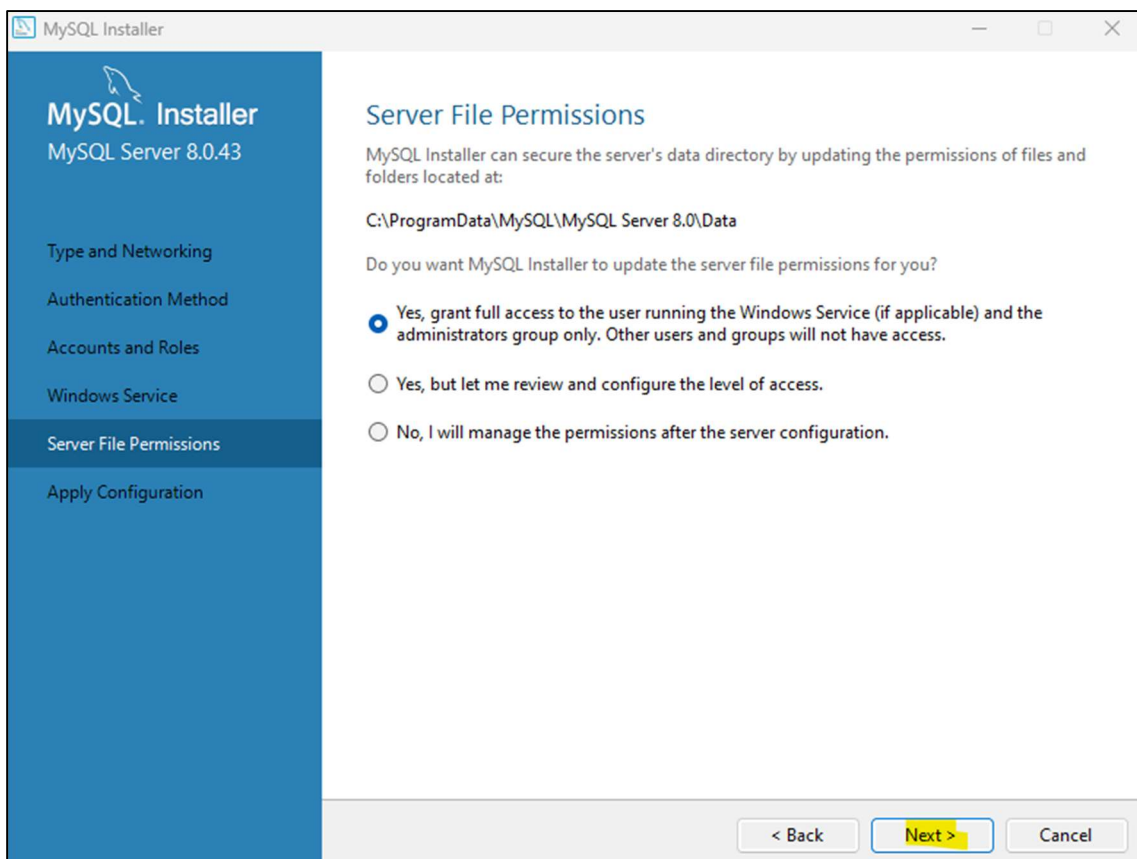
Run Windows Service as ...

The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.

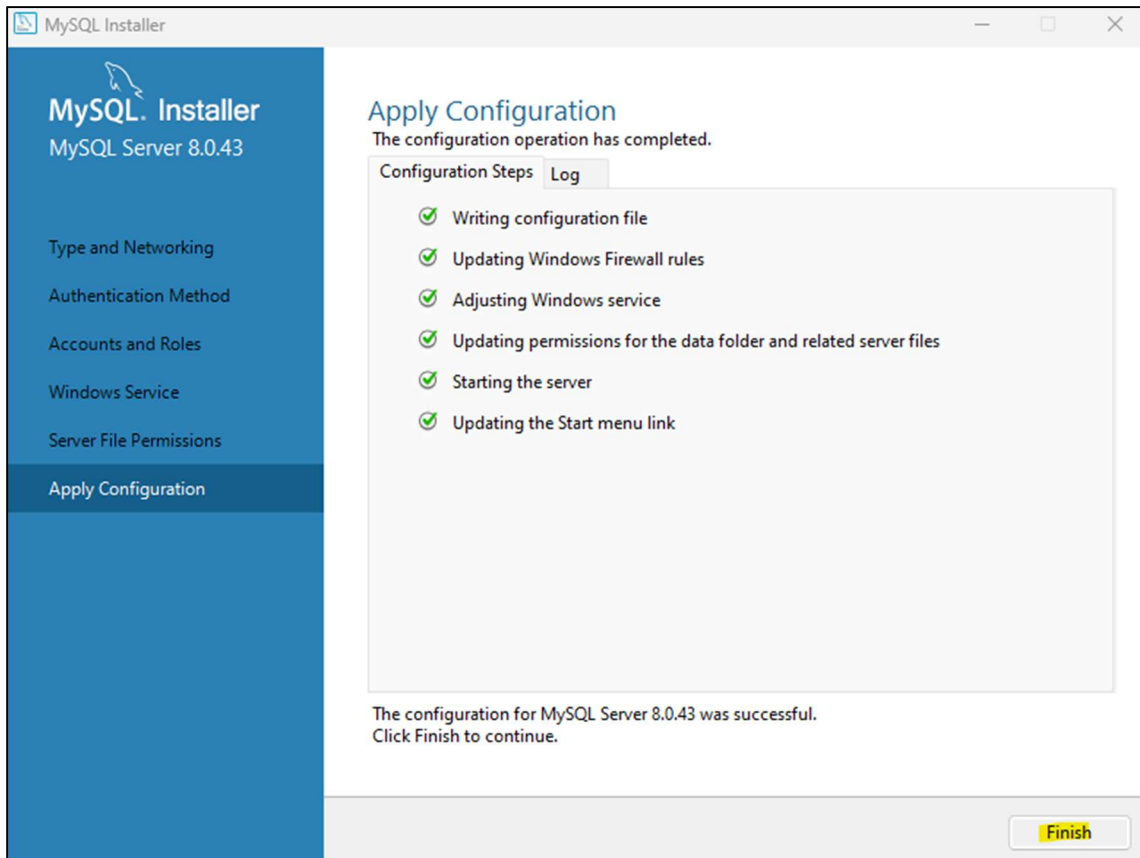
☒ Standard System Account
Recommended for most scenarios.

☐ Custom User
An existing user account can be selected for advanced scenarios.

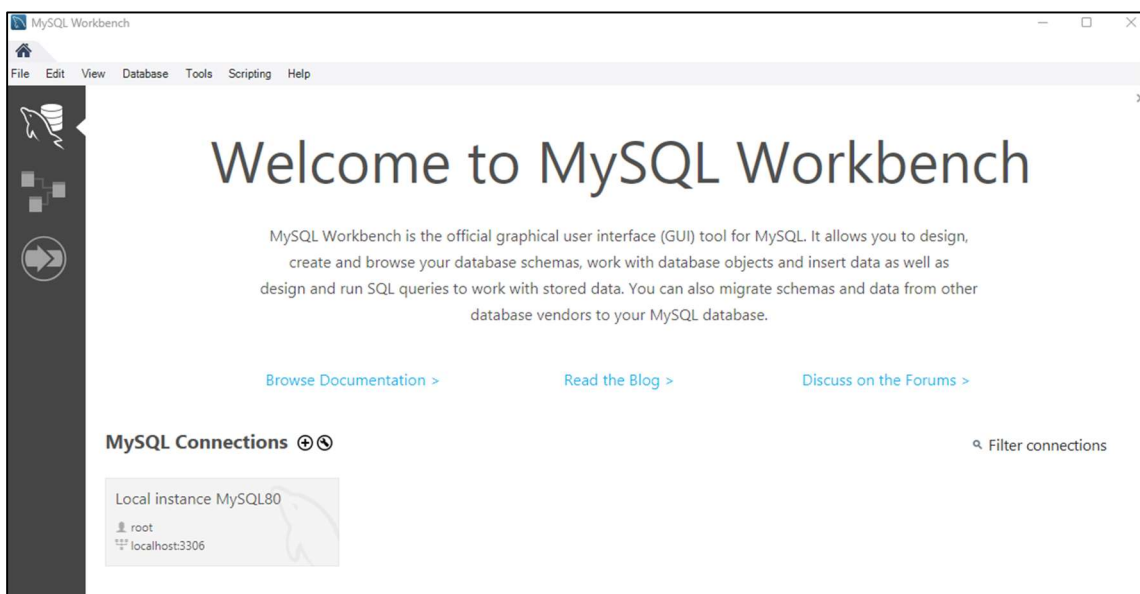
< BackNext >Cancel



Si falla la opción de 'Starting the server' por no poder crear fichero en C:\Users\Default\AppData\Local\Temp, dar control total al directorio Temp.



Al finalizar la instalación, se quedará ejecutando el servicio MySQL80 (ver en el administrador de tareas) y se abrirá el MySQLWorkBench:



CONFIGURACIÓN DE MYSQL

<https://www.youtube.com/watch?v=CzLjBUjKbK8>

1. Crearemos una nueva conexión.

- Aquí podremos modificar la contraseña de root si lo consideramos necesario.
- Antes de continuar, probar que la conexión funciona correctamente ejecutando el test.

Setup New Connection

Connection Name: biblioteca Type a name for the connection

Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS

Parameters SSL Advanced

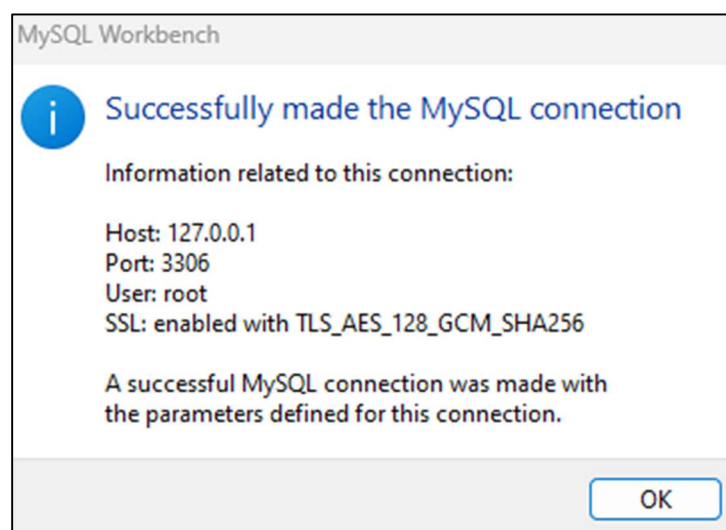
Hostname: 127.0.0.1 Port: 3306 Name or IP address of the server host - and TCP/IP port.

Username: root Name of the user to connect with.

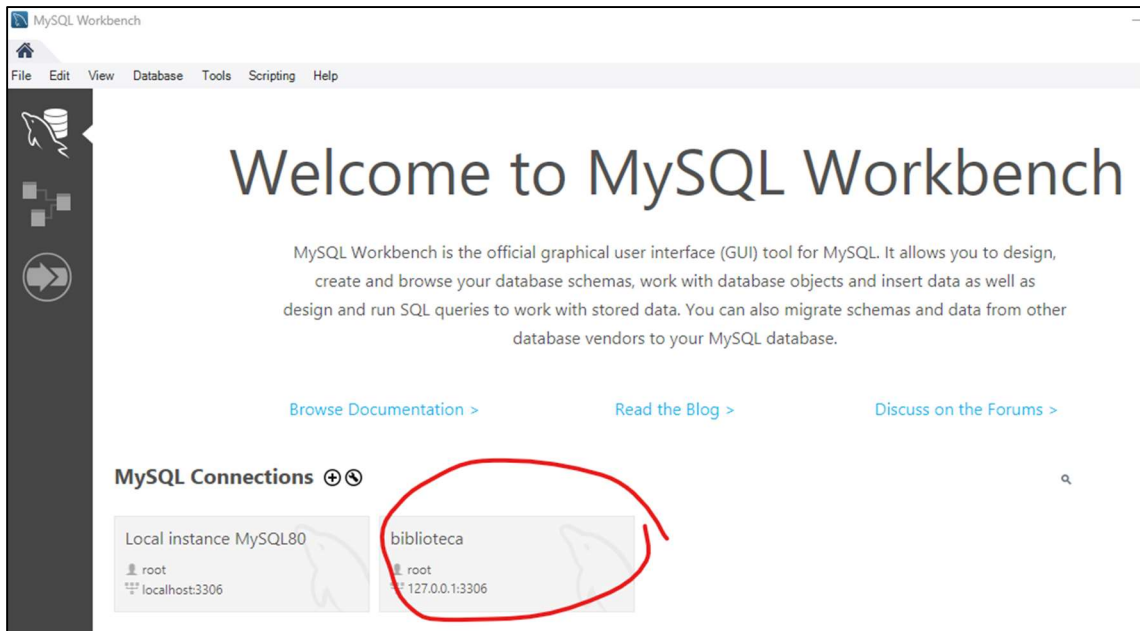
Password: The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

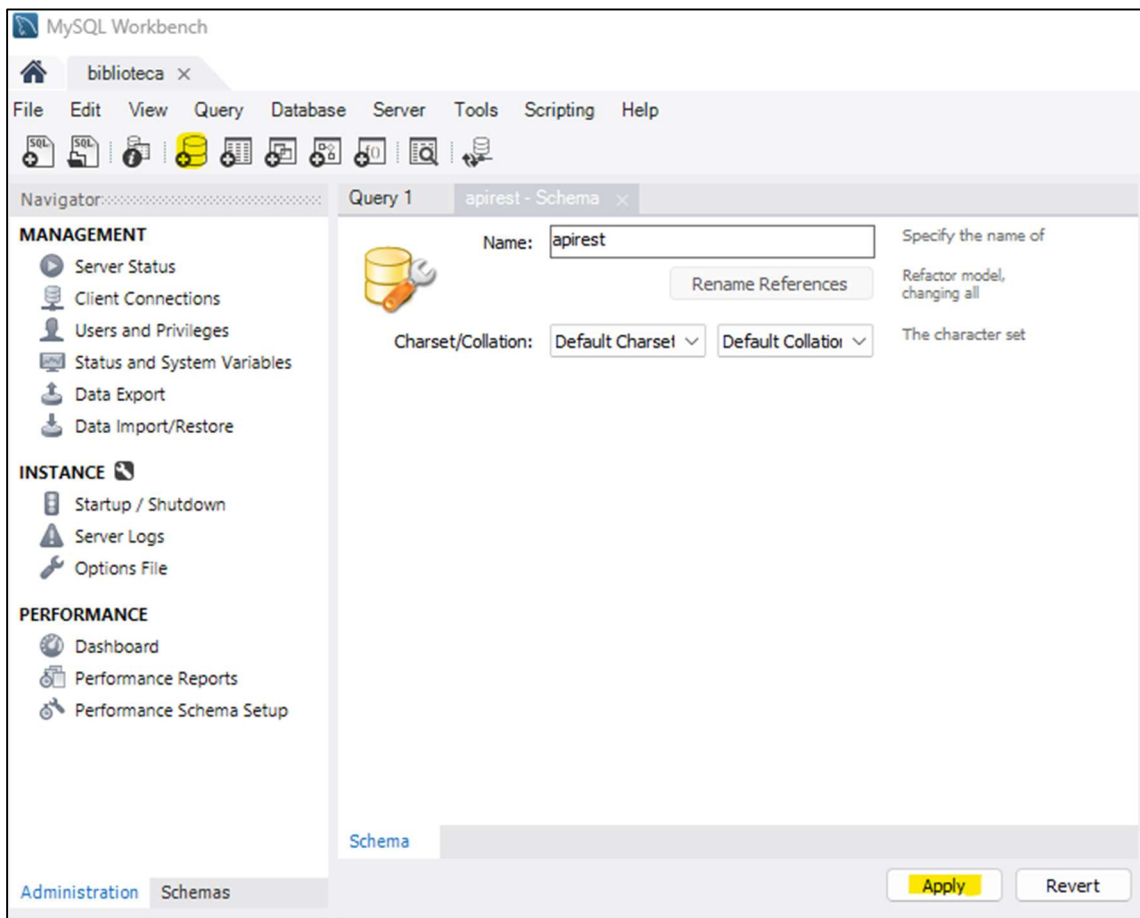
Configure Server Management... Test Connection Cancel OK



2. Si todo fue correcto, se nos mostrará la nueva conexión:



3. Accedemos a la nueva conexión y tenemos que crear el esquema, es decir, la base de datos sobre la que trabajaremos:



Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Default Lock Type: Default

1

CREATE SCHEMA `apirest` ;

2

Back

Apply

Cancel

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.

☒ Execute SQL Statements

SQL script was successfully applied to the database.

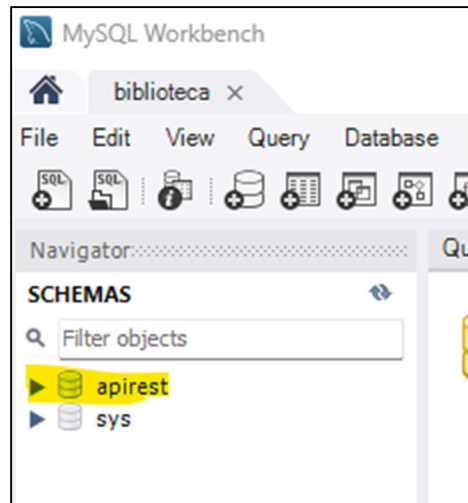
Show Logs

Back

Finish

Cancel

4. Si todo fue correcto, se nos habrá creado la nueva base de datos, en nuestro caso, la llamamos apirest:



CONFIGURACIÓN EN INTELLIJ IDEA

<https://www.youtube.com/watch?v=9XoaU5IMkRY>.

Ahora hay que crear la configuración en el IntelliJ Idea. Esto se puede ver con más detalle en el documento Proyecto Spring Boot.

application.properties

```
spring.application.name=demo
server.port=8090

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/apirest
spring.datasource.username=root
spring.datasource.password=Biblio.123

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQLDialect
spring.jpa.hibernate.ddl-auto=update
#cada vez que levantamos la aplicación mira si existen o no las tablas. Si no existen las crea.
spring.jpa.show-sql=true
#Para que muestre las sentencias sql en los logs
spring.jpa.properties.hibernate.format_sql=true
```

pom.xml

```
<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
  </dependency>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-test</artifactId>
    <scope>test</scope>
  </dependency>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-data-jpa</artifactId>
  </dependency>
  <dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
    <version>8.0.33</version>
  </dependency>
  <dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <optional>true</optional>
  </dependency>
</dependencies>
```