



Installation and Setup

Learning Objectives

By the end of this lesson, you will be able to:

- 🕒 Download MySQL Community
- 🕒 Install MySQL Workbench and Server
- 🕒 Download a sample MySQL database
- 🕒 Load data into MySQL Workbench



Downloading MySQL Community

MySQL Community Download

MySQL is an open-source database management system available at MySQL's official website.



MySQL Community Download

In the *installer* page, you have the option to download an online or offline setup file.

[General Availability \(GA\) Releases](#) [Archives](#) [i](#)


MySQL Installer 8.0.25

Select Operating System:

Microsoft Windows

[Looking for previous GA versions?](#)

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.25.0.msi)	8.0.25	2.4M	Download
	MD5: 7f64b7ca2c526c359919d9db1bc8d669 Signature		
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.25.0.msi)	8.0.25	435.7M	Download
	MD5: 0c64075a9cc4ec00cce35806761aafc9 Signature		

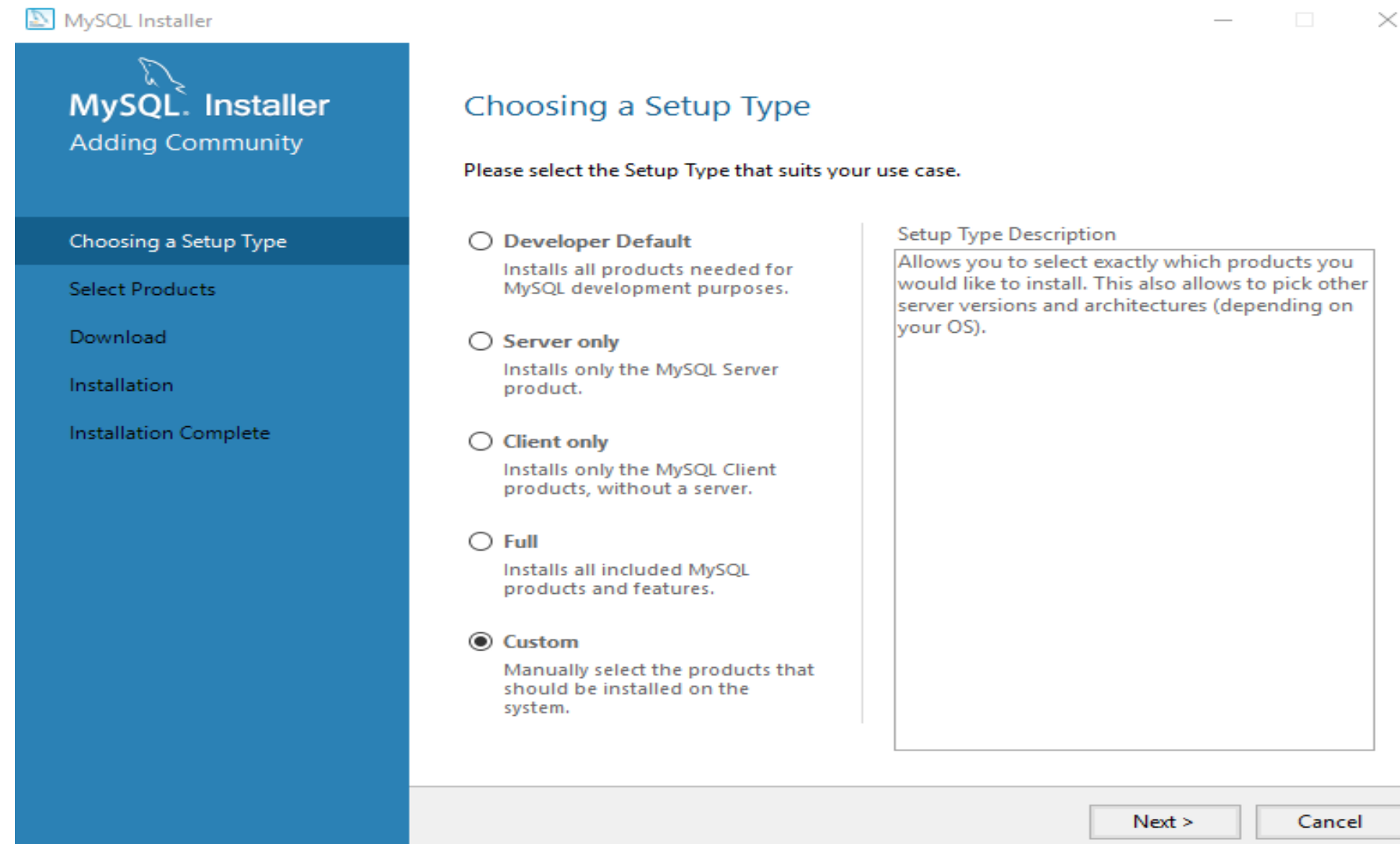
 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.



Installing MySQL Workbench and Server

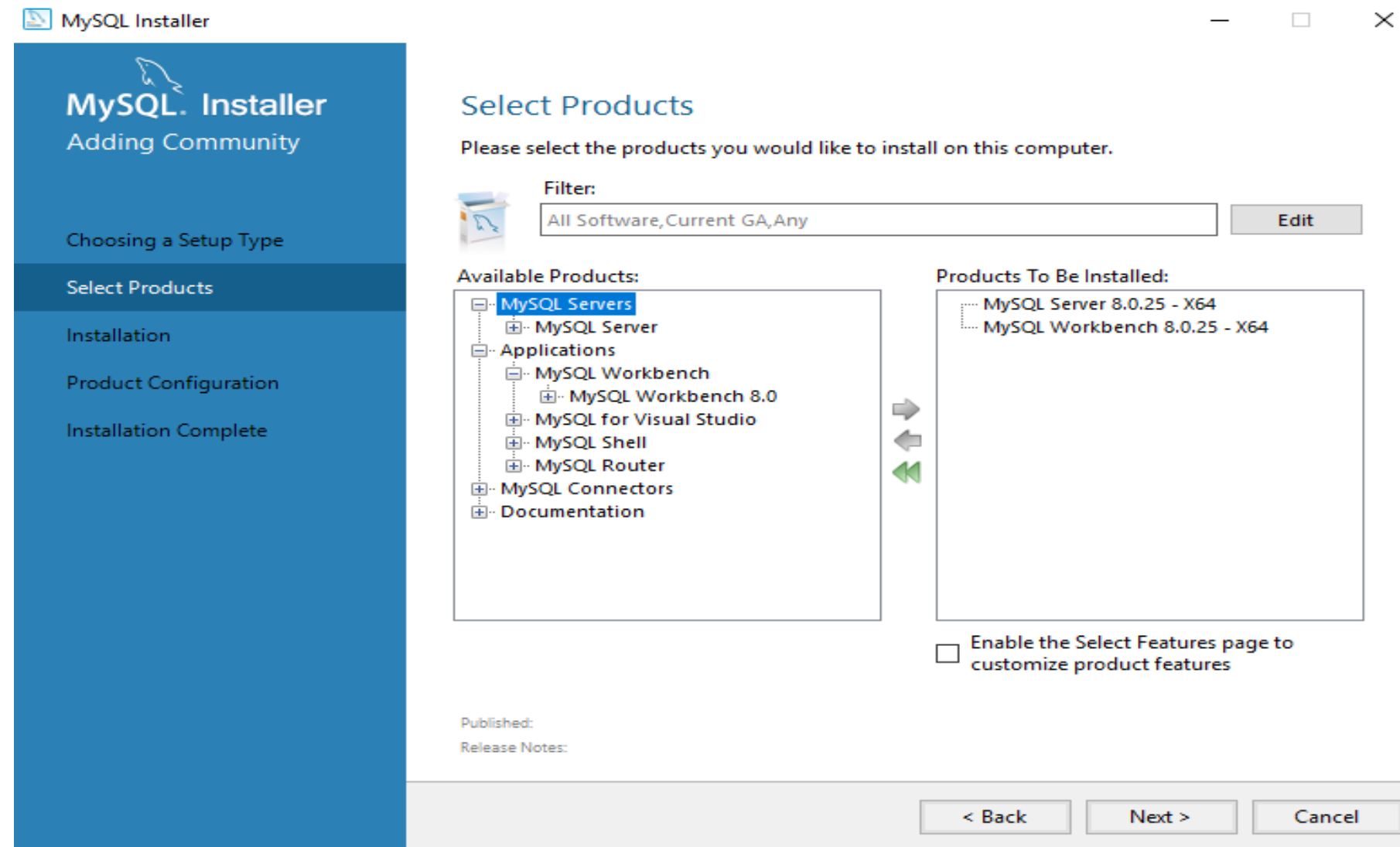
MySQL Workbench and Server

In the **Choosing a Setup Type** screen, select **Custom** option to choose the features to be installed.



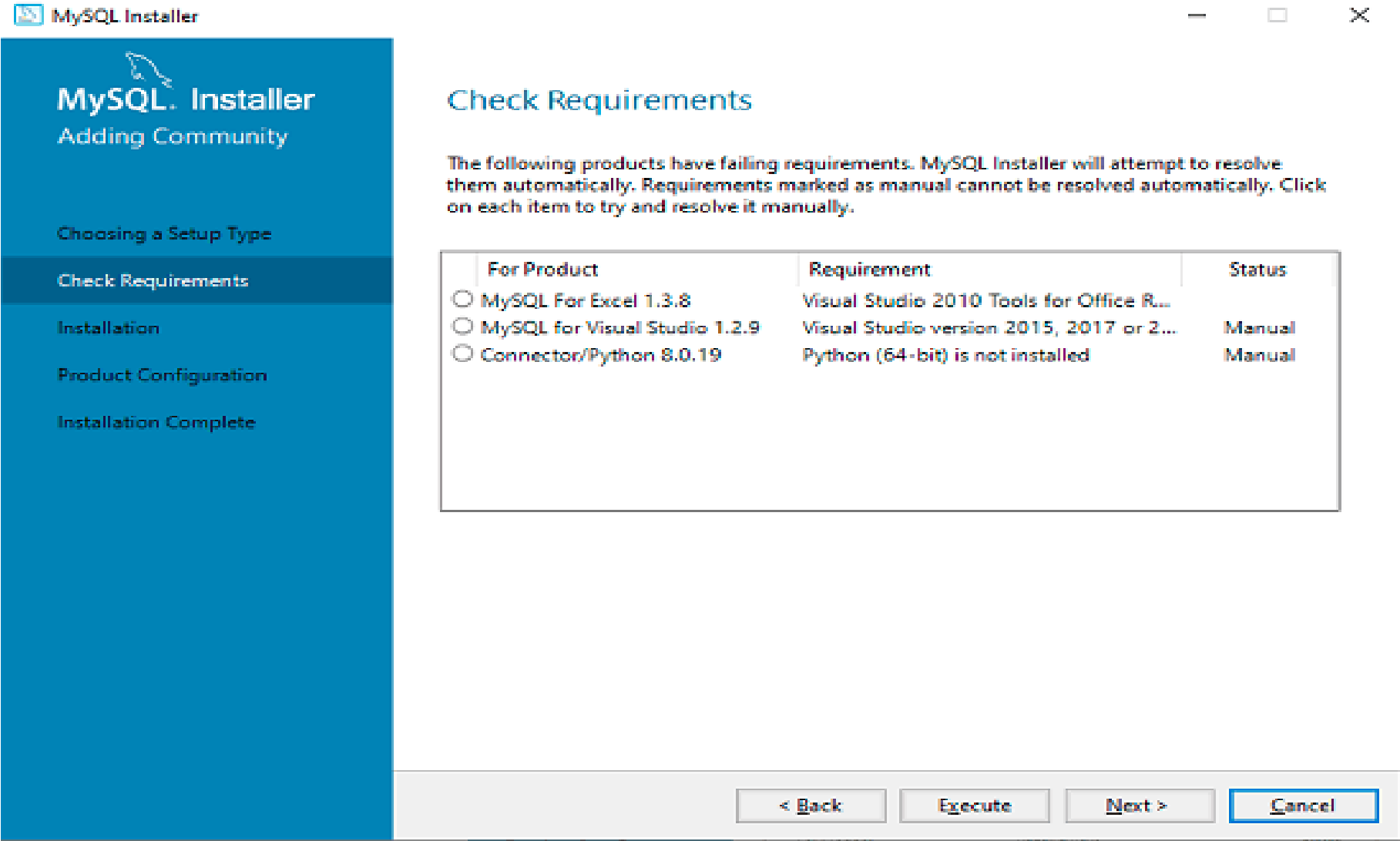
MySQL Workbench and Server

In the **Select Products and Features** screen, select the latest version of MySQL **Server** by expanding **MySQL Servers** and the latest version of **Workbench** by expanding **Applications**.



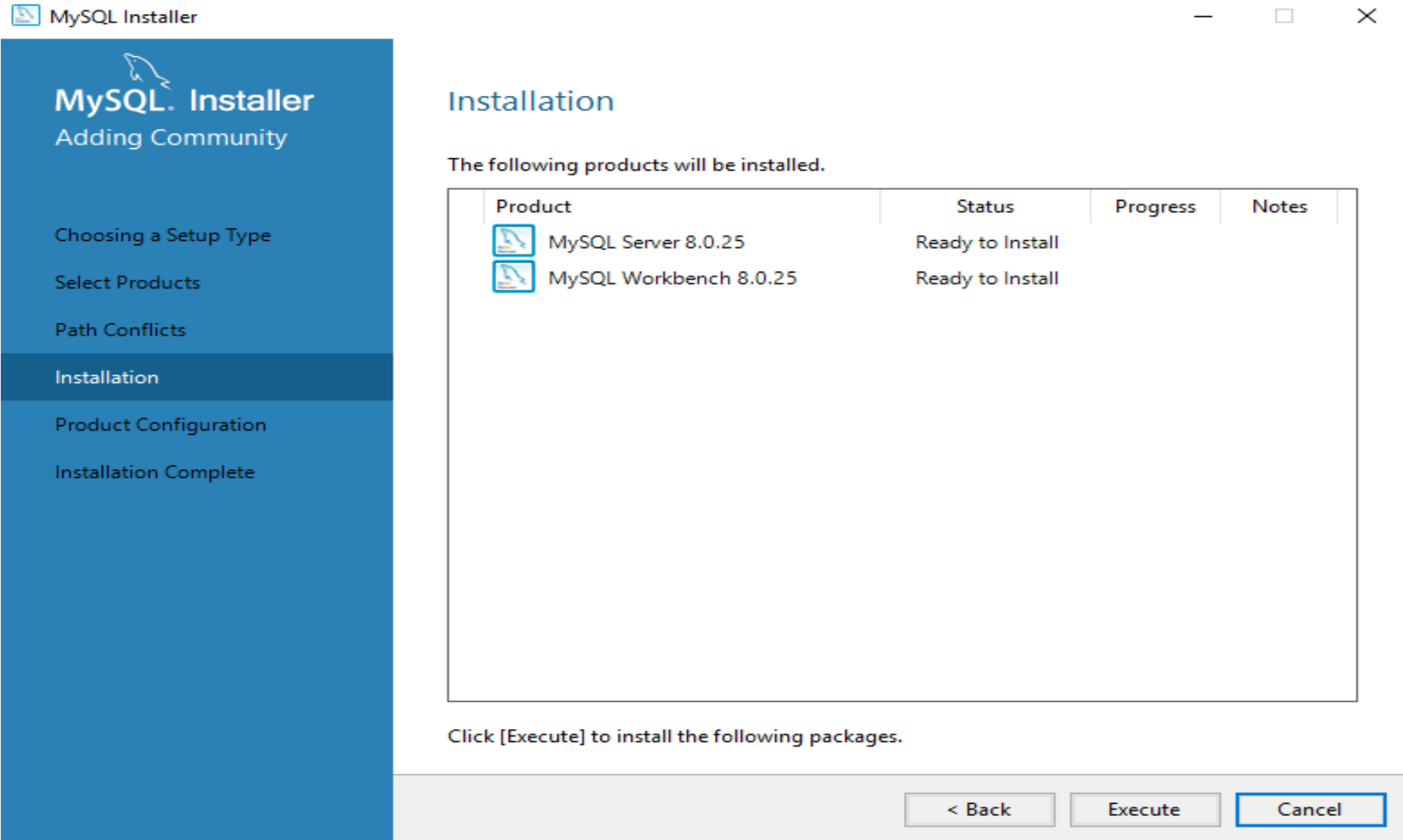
MySQL Workbench and Server

In the **Check Requirements** screen, agree to install the requirements for the installation of the selected products.



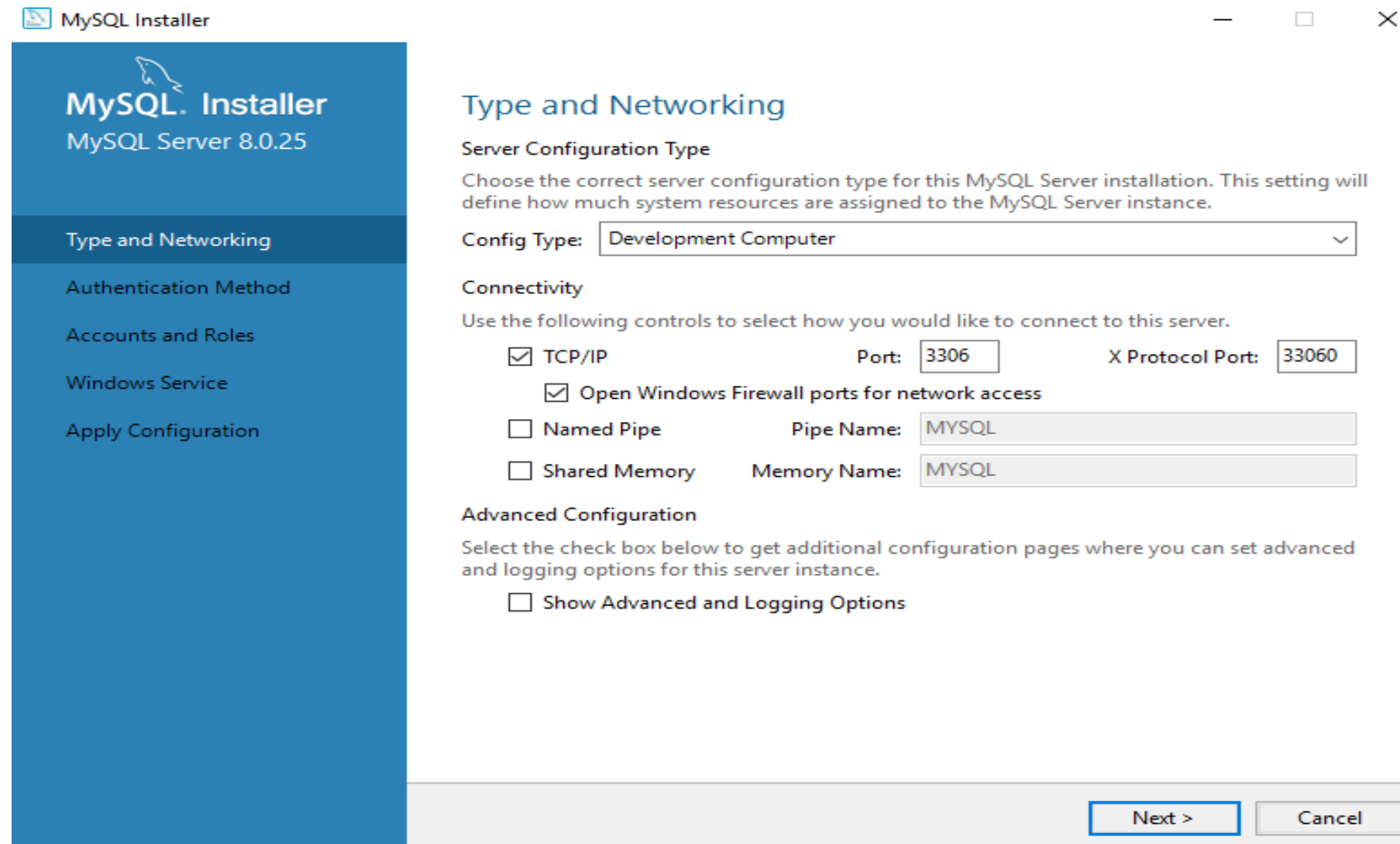
MySQL Workbench and Server

Now, click on **Execute** to begin the installation process of the **Workbench** and **Server**.



MySQL Workbench and Server

Next, in the **Server Installation** window, continue with the default settings.



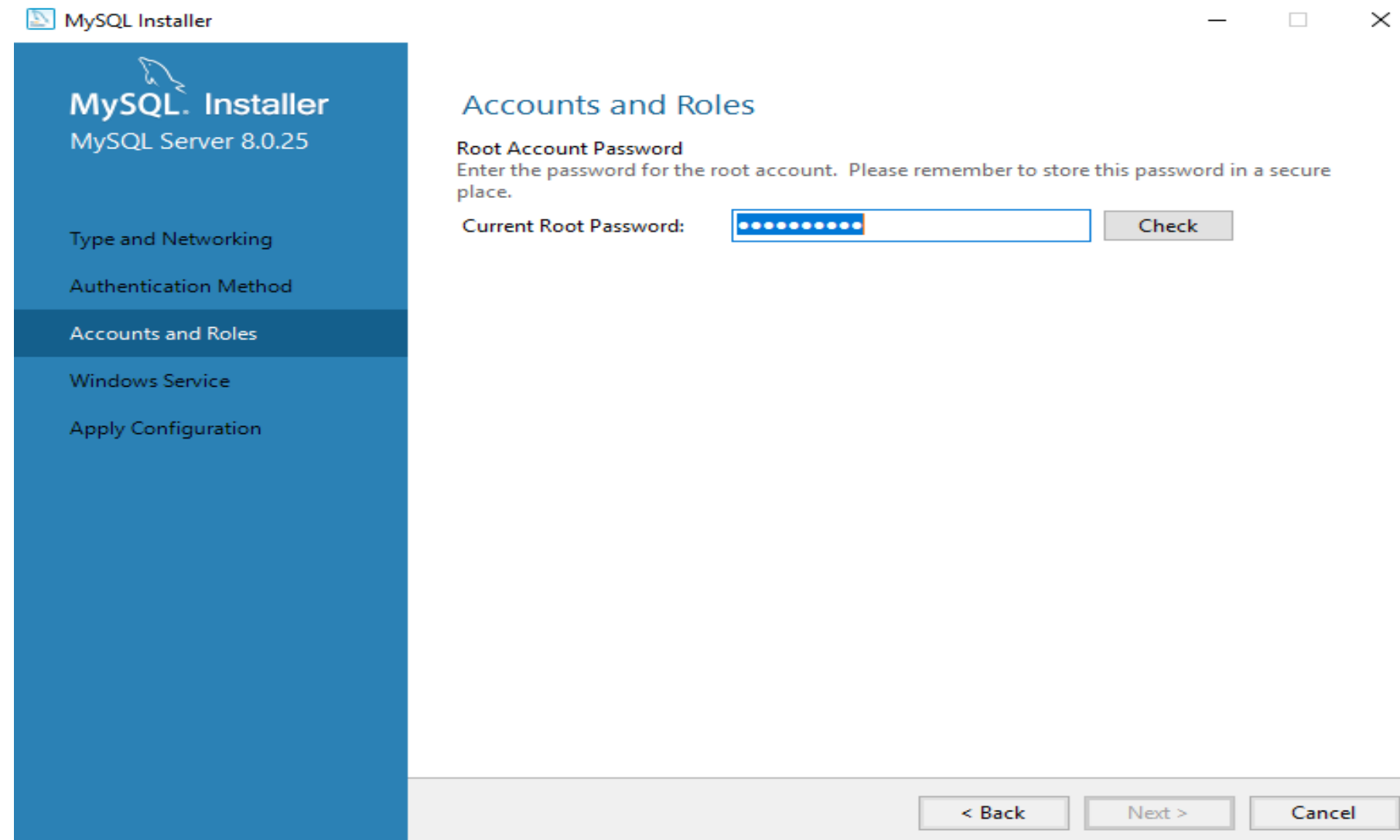
The image shows the MySQL Installer window for MySQL Server 8.0.25. The window has a blue sidebar on the left with the following options: Type and Networking (selected), Authentication Method, Accounts and Roles, Windows Service, and Apply Configuration. The main area is titled 'Type and Networking' and contains the following sections:

- Server Configuration Type**
Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
Config Type: Development Computer (selected from a dropdown menu)
- Connectivity**
Use the following controls to select how you would like to connect to this server.
 - ☒ TCP/IP Port: 3306 X Protocol Port: 33060
 - ☒ Open Windows Firewall ports for network access
 - ☐ Named Pipe Pipe Name: MYSQL
 - ☐ Shared Memory Memory Name: MYSQL
- Advanced Configuration**
Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.
 - ☐ Show Advanced and Logging Options

At the bottom right, there are two buttons: 'Next >' and 'Cancel'.

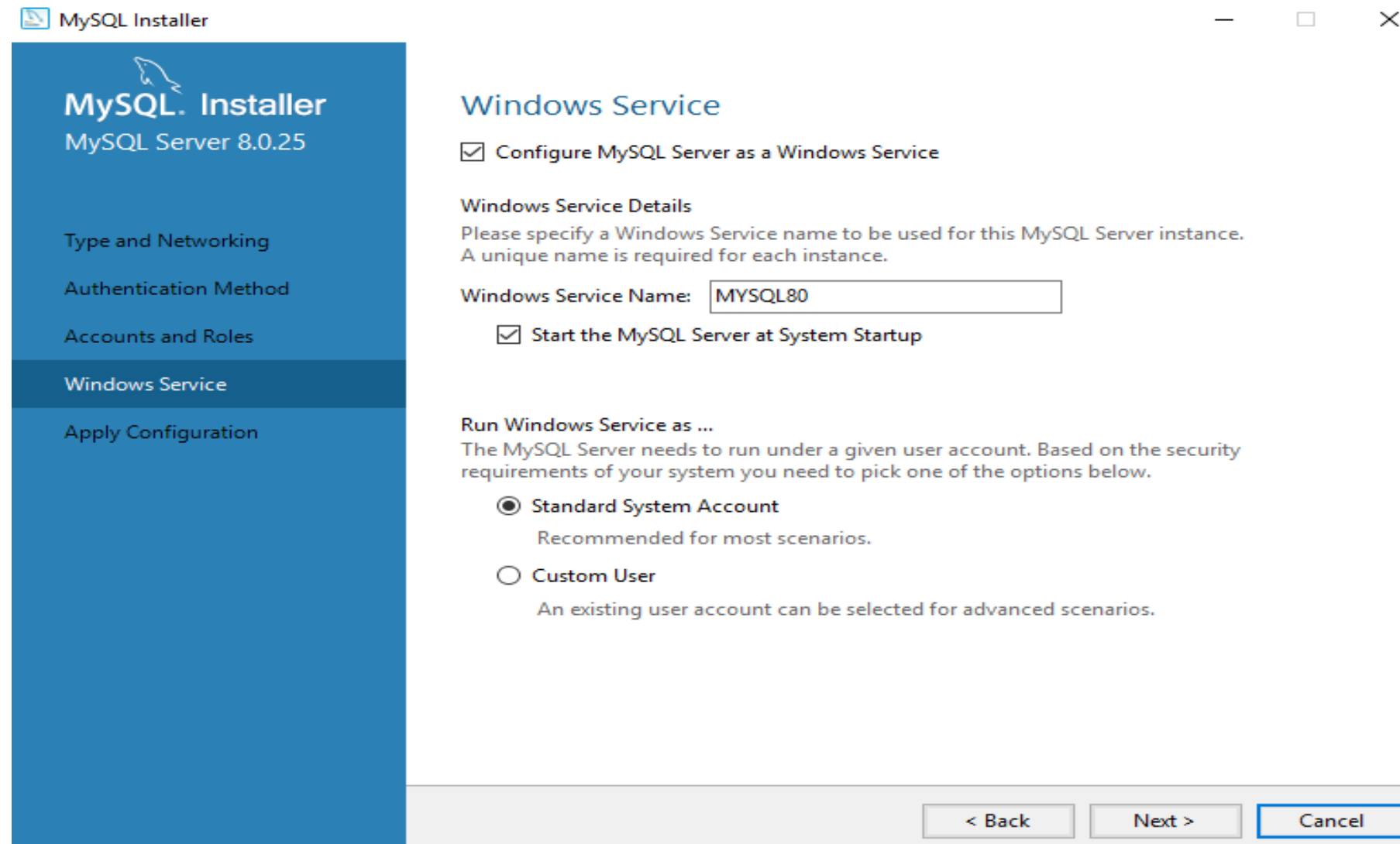
MySQL Workbench and Server

In the **Accounts and Roles** screen, set the MySQL root account password.



MySQL Workbench and Server

Continue with the default settings. In the **Windows Service** screen, make sure that you check the **Start MySQL Server at System Startup** checkbox.



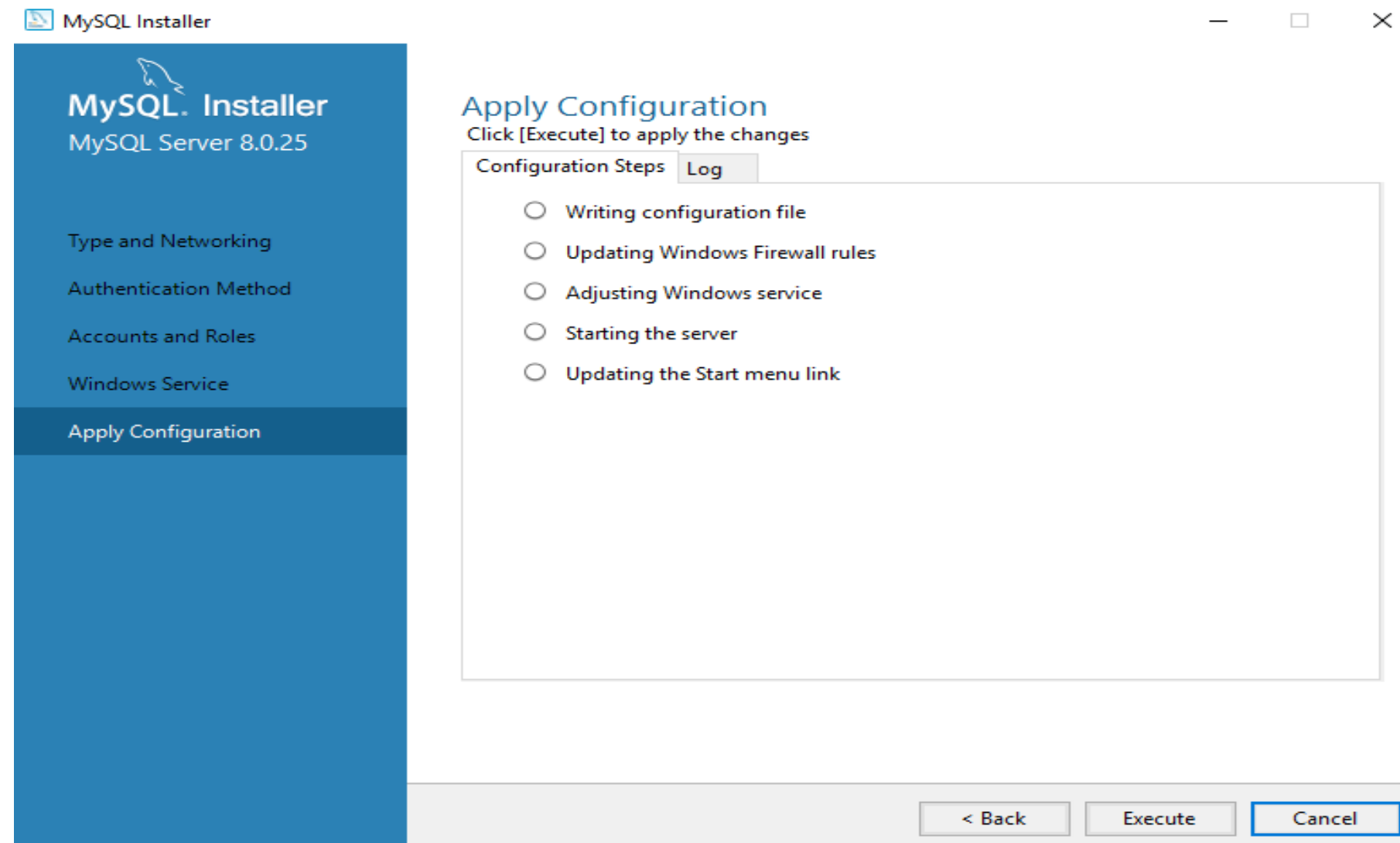
The screenshot shows the MySQL Installer window for MySQL Server 8.0.25. The left sidebar contains the following navigation items: MySQL. Installer, MySQL Server 8.0.25, Type and Networking, Authentication Method, Accounts and Roles, Windows Service (selected), and Apply Configuration. The main content area is titled "Windows Service" and includes the following options:

- ☒ **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.

At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

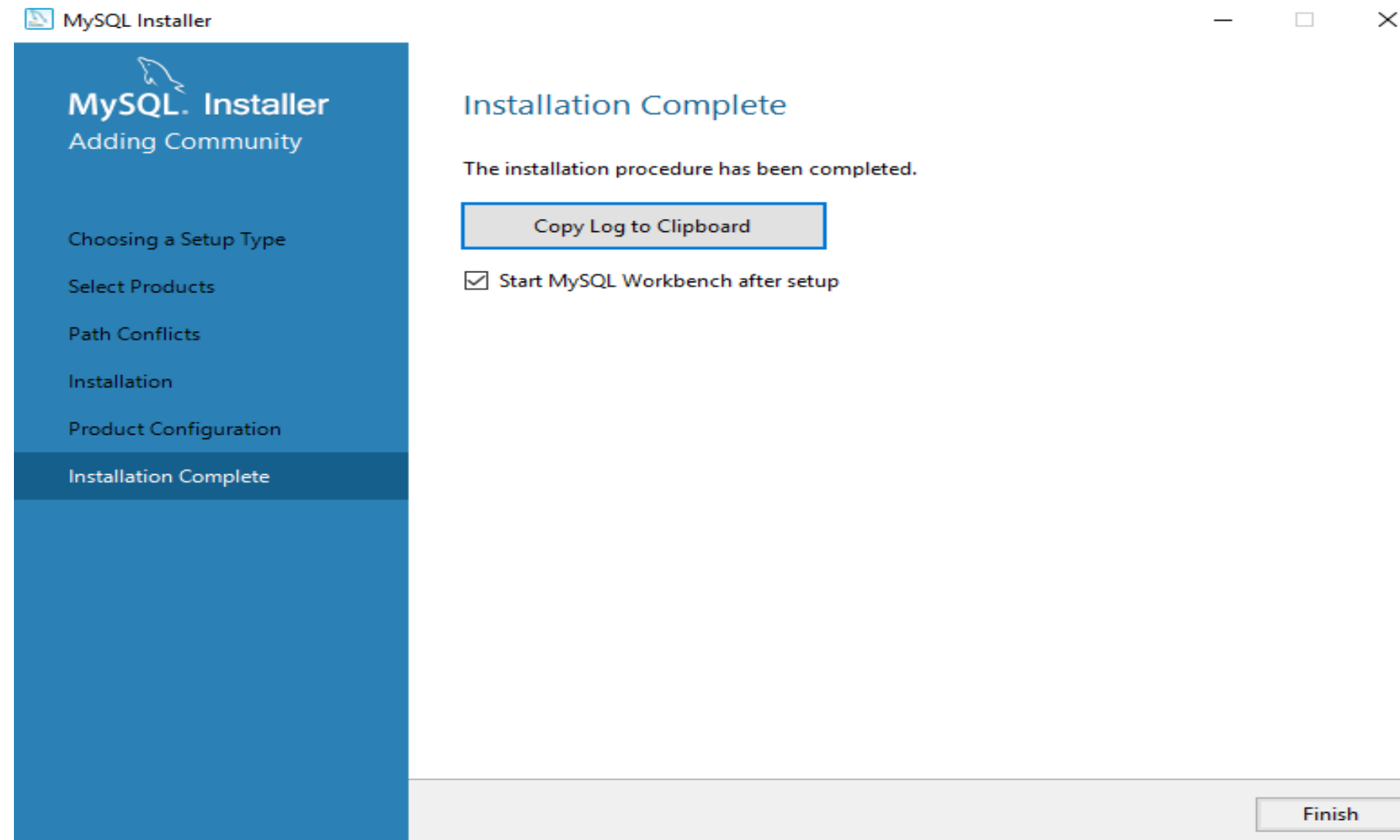
MySQL Workbench and Server

Click **Execute** in the **Apply Configuration** screen to complete the installation process.



MySQL Workbench and Server

Once you click **Finish**, the **MySQL Workbench** will automatically start.



Connecting to MySQL Server

MySQL Server

A connection with MySQL server will be automatically set up after the installation.

MySQL Connections

Local instance MySQL80

 root

 localhost:3306



Assisted Practice: Loading a Sample Database



Problem Statement: You are required to download the given sample database file and load the same in the MySQL Workbench.

ASSISTED PRACTICE

Assisted Practice: Loading a Sample Database



Steps to be performed:

1. Download the sample database from the course resources section of the LMS.

Course Resources

Course Materials



Datasets



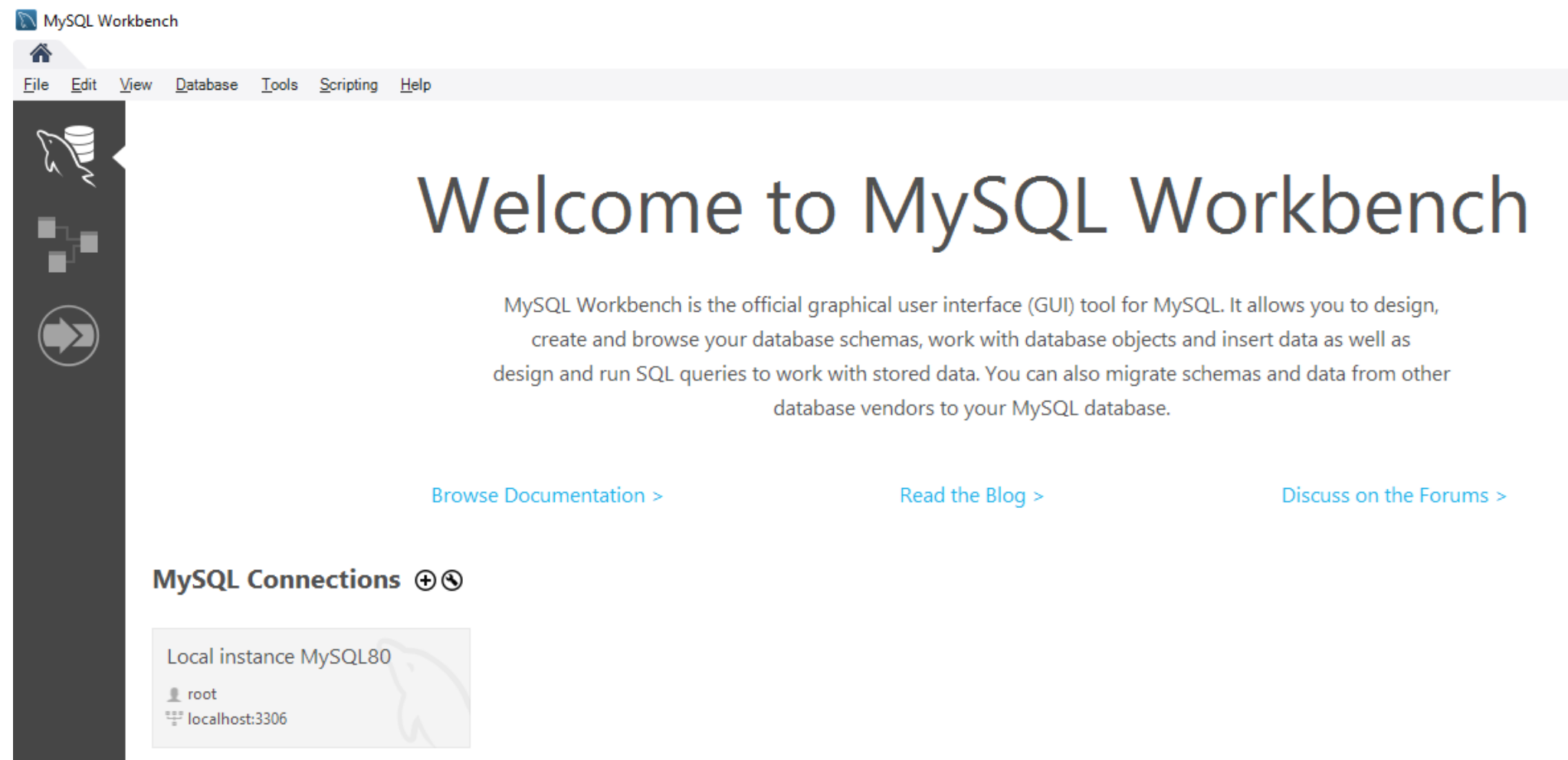
ASSISTED PRACTICE

Assisted Practice: Loading a Sample Database



Steps to be performed:

2. Launch your MySQL Workbench.



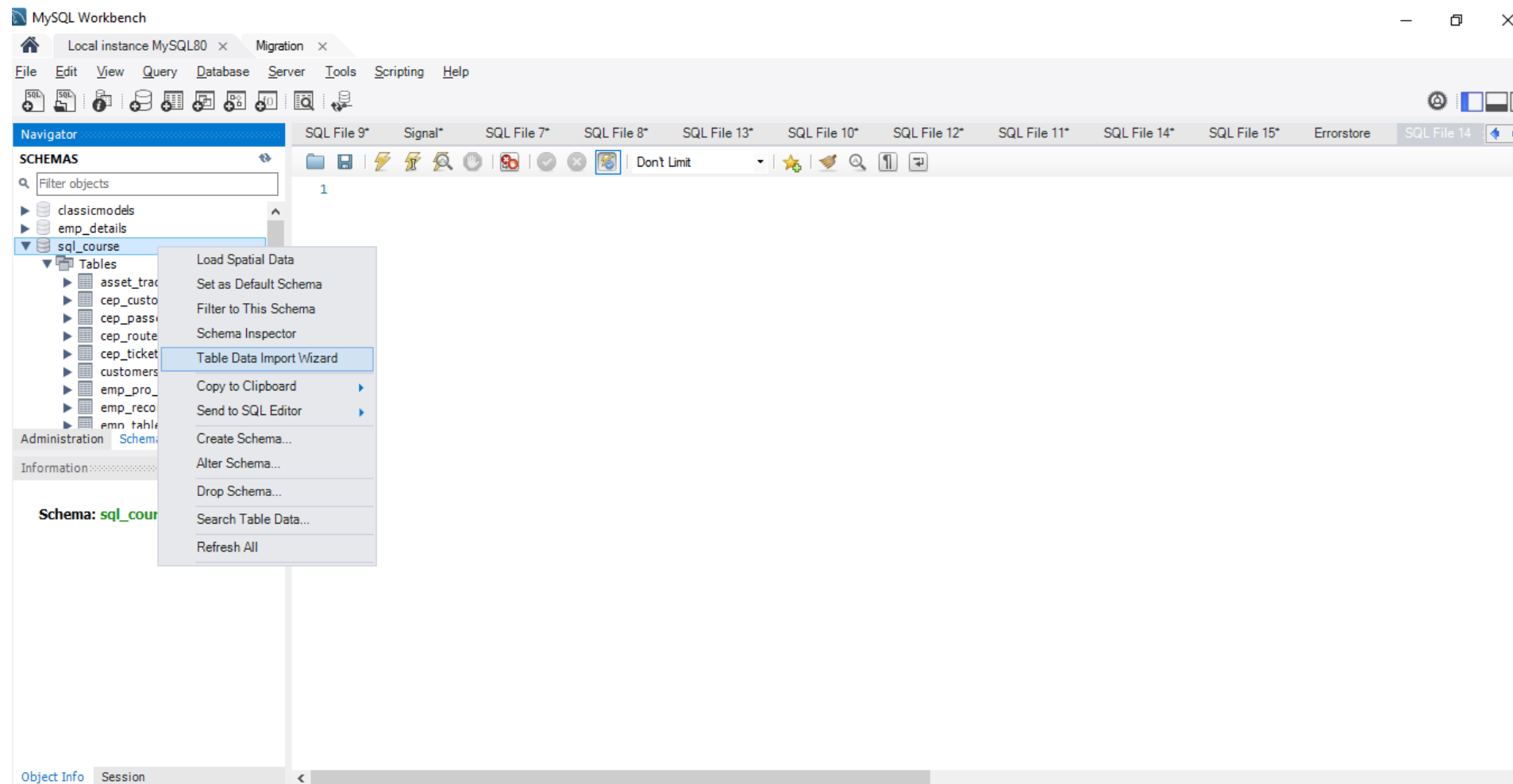
ASSISTED PRACTICE

Assisted Practice: Loading a Sample Database



Steps to be performed:

3. Load the downloaded database.



ASSISTED PRACTICE

Key Takeaways

- MySQL is an open-source database system.
- You can download either an online or offline installer.
- MySQL Workbench and Server are required to execute SQL commands.
- A MySQL Server connection is automatically created during installation.

