

JAVA WITH JDBC COURSE

MYSQL INSTALLATION



By the expert: Ubaldo Acosta

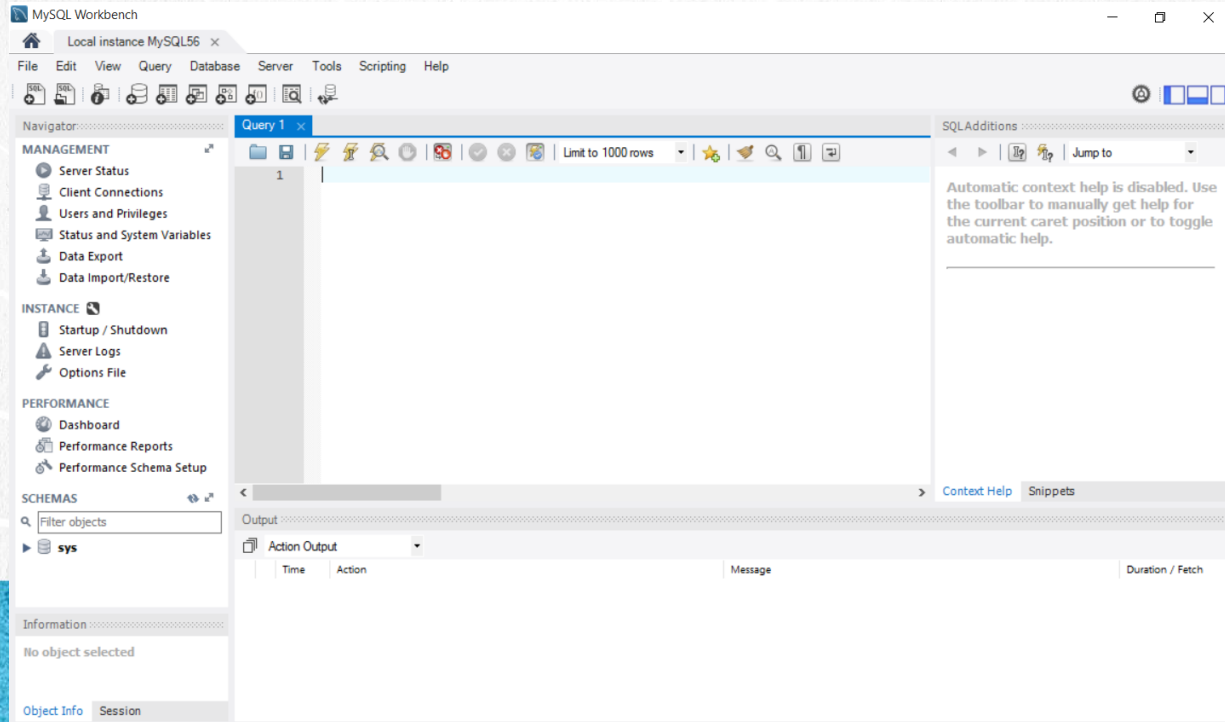


JAVA WITH JDBC COURSE

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EXERCISE OBJECTIVE

Install the Mysql database engine. At the end we should observe the following:



1. MYSQL DOWNLOAD

We are going to download mysql from the following link:

Windows:

<http://icursosos.net/software/mysql/mysql-installer.msi>

Mac OS:

<http://icursosos.net/software/mysql/mysql-macos.dmg>


Otros sistemas operativos:

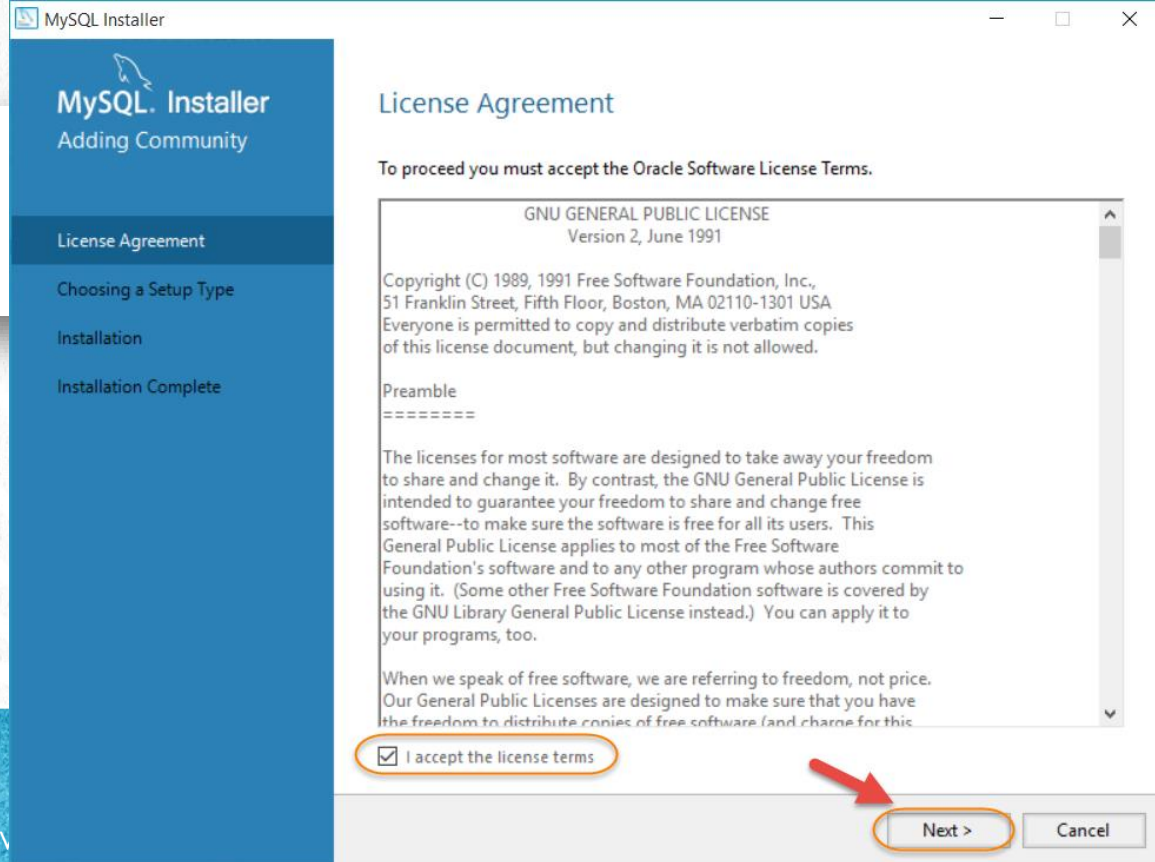
<http://dev.mysql.com/downloads/mysql/>

2. MYSQL INSTALLATION

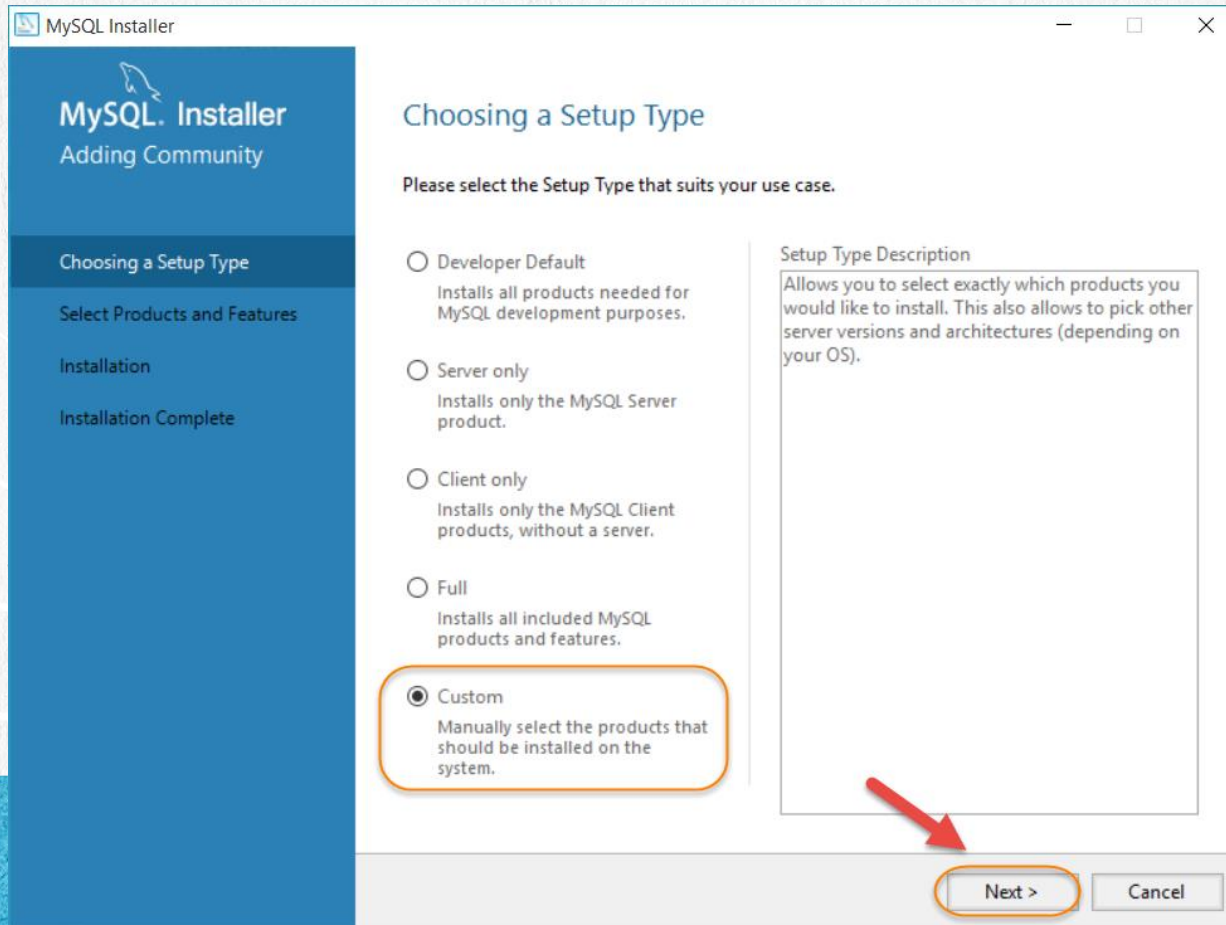
Accept the installation:

Nombre

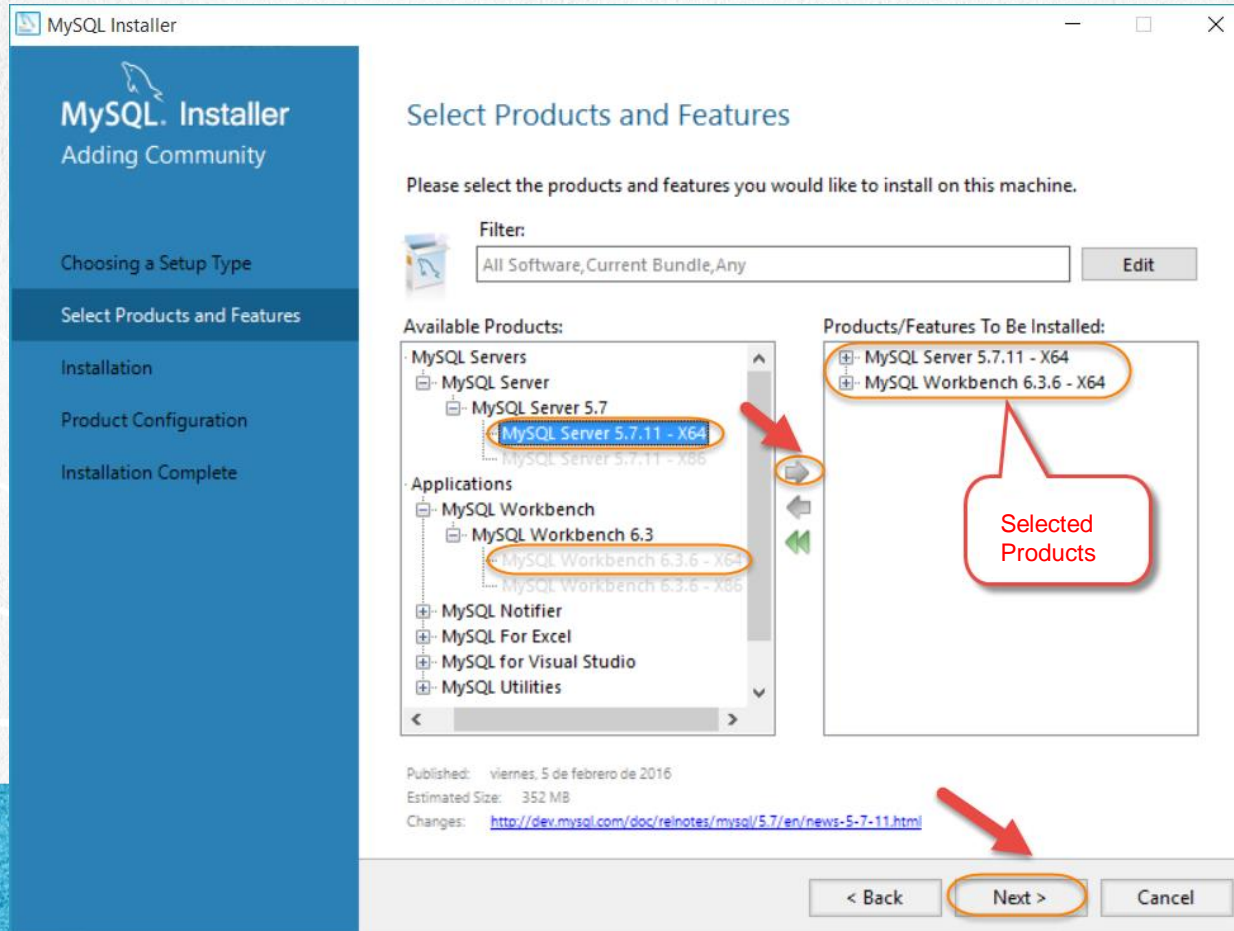
 mysql-installer-community-5.7.11.0.msi



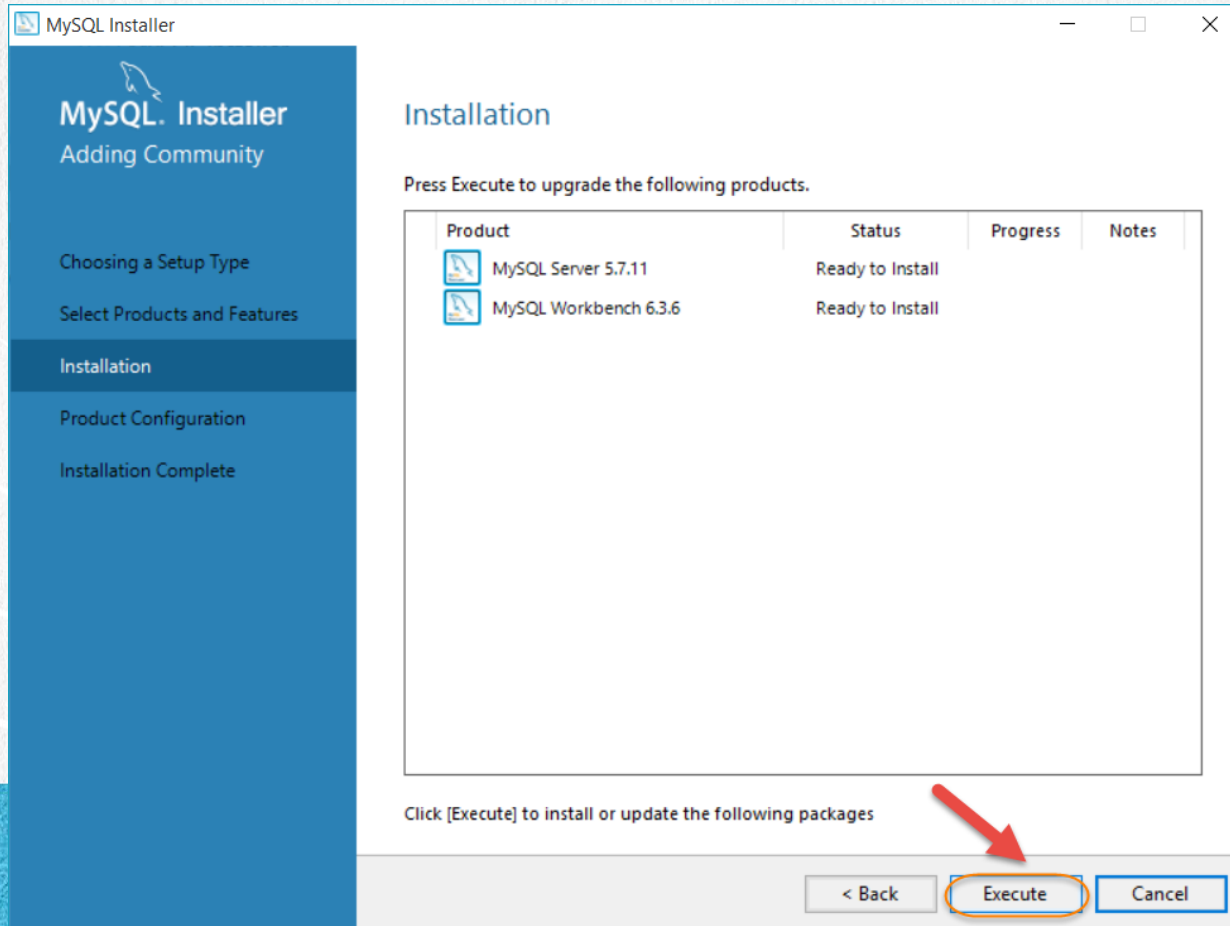
2. MYSQL INSTALLATION (CONT)



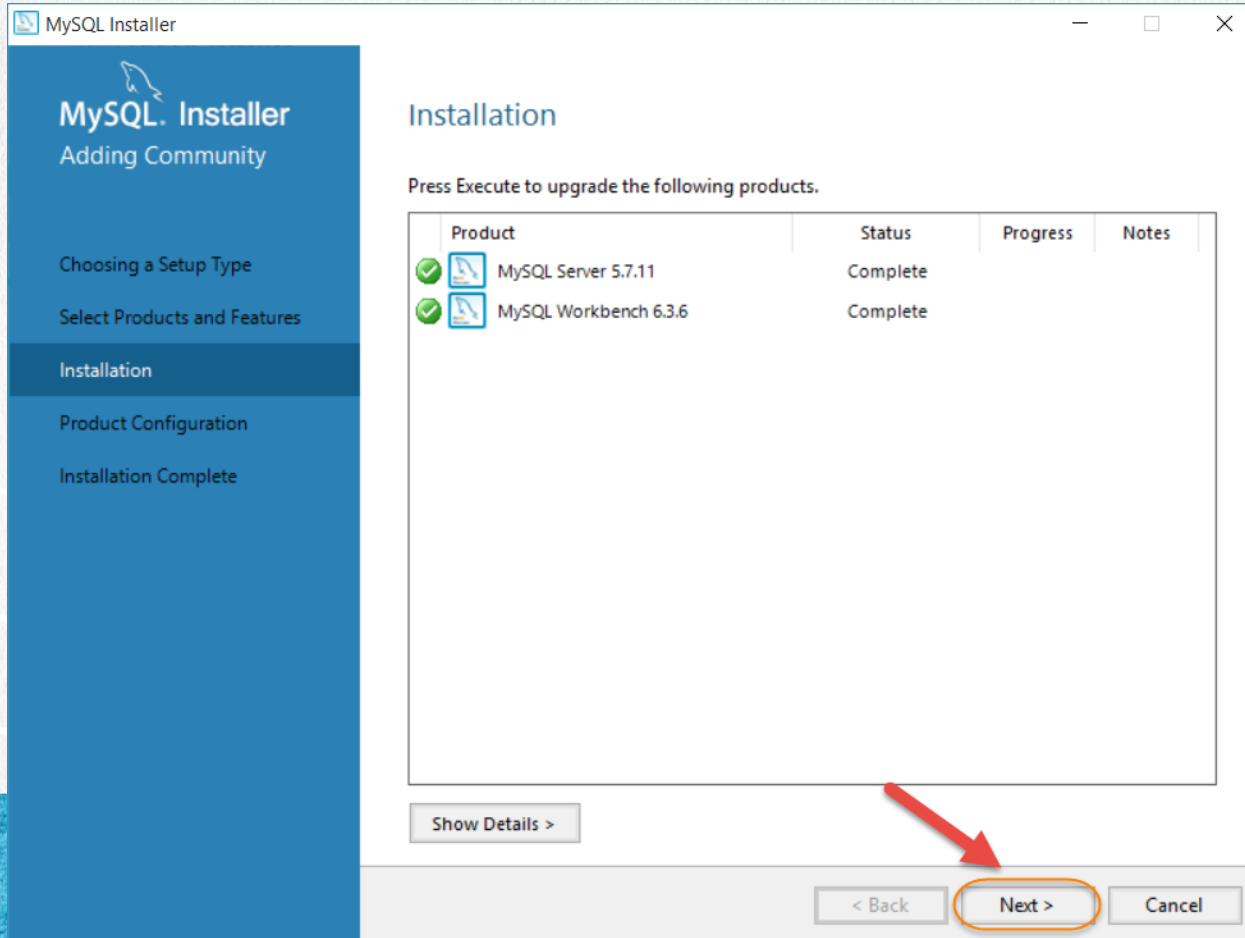
2. MYSQL INSTALLATION (CONT)



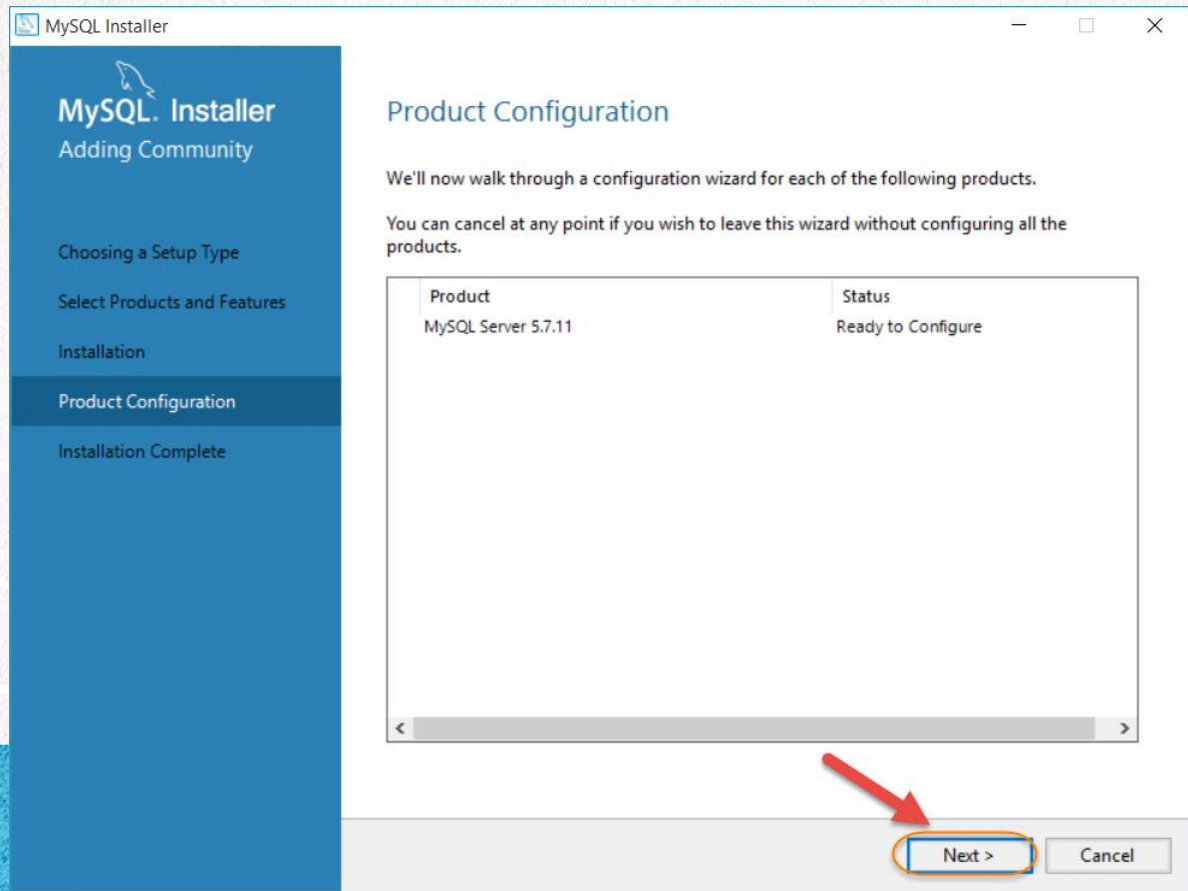
2. MYSQL INSTALLATION (CONT)



2. MYSQL INSTALLATION (CONT)



3. MYSQL CONFIGURATION



3. MYSQL CONFIGURATION (CONT)

MySQL Installer

MySQL Server 5.7.11

Type and Networking

Accounts and Roles

Windows Service

Apply Server Configuration

Type and Networking

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 Machine

Connectivity

Use the following controls to select how you would like to connect to this server.

☒ TCP/IP Port Number: 3306

☒ Open Firewall port for network access

☐ Named Pipe Pipe Name: MYSQL

☐ Shared Memory Memory Name: MYSQL

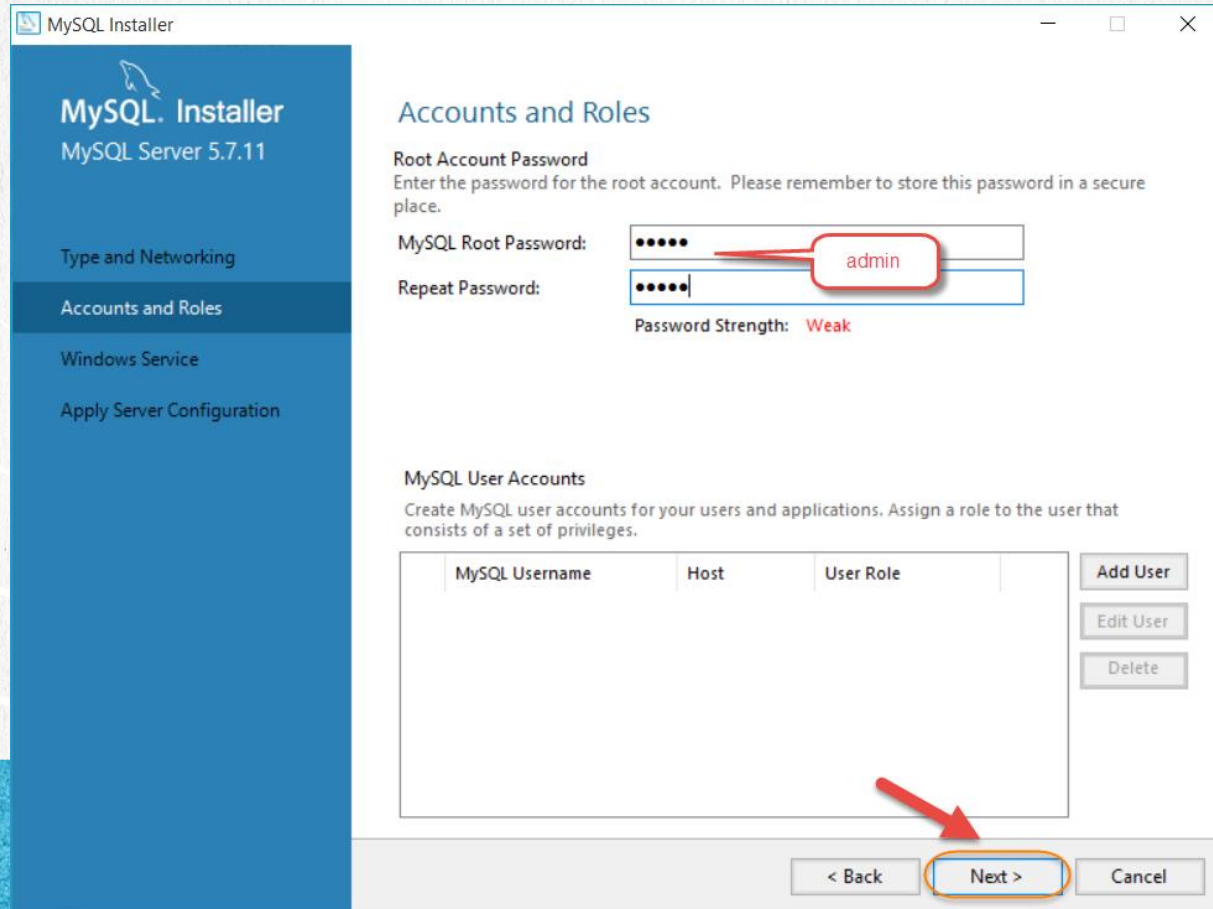
Advanced Configuration

Select the checkbox below to get additional configuration page where you can set advanced options for this server instance.

☐ Show Advanced Options

Next > Cancel

3. MYSQL CONFIGURATION (CONT)



The screenshot shows the MySQL Installer window for MySQL Server 5.7.11. The left sidebar contains the following menu items: "Type and Networking", "Accounts and Roles" (which is highlighted), "Windows Service", and "Apply Server Configuration". The main area is titled "Accounts and Roles" and contains two sections. The first section, "Root Account Password", instructs the user to enter a password for the root account. It features two input fields: "MySQL Root Password:" and "Repeat Password:". Both fields contain five dots, and a red callout bubble with the text "admin" points to the first field. Below these fields, the "Password Strength:" is indicated as "Weak". The second section, "MySQL User Accounts", instructs the user to create MySQL user accounts. It features a table with three columns: "MySQL Username", "Host", and "User Role". To the right of the table are three buttons: "Add User", "Edit User", and "Delete". At the bottom of the window, there are three buttons: "< Back", "Next >" (which is highlighted with a red circle and a red arrow), and "Cancel".

MySQL Installer

MySQL Server 5.7.11

Type and Networking

Accounts and Roles

Windows Service

Apply Server 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 Username	Host	User Role
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Add User

Edit User

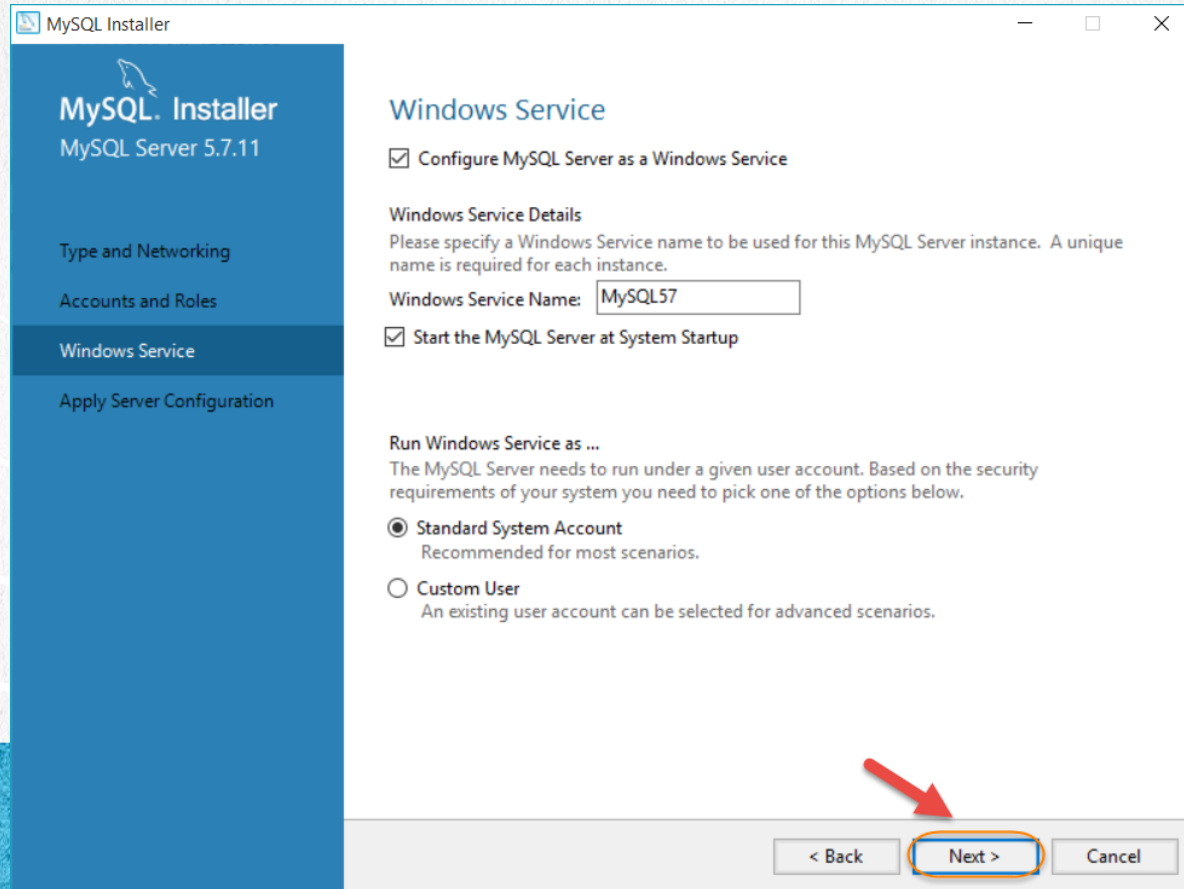
Delete

< Back

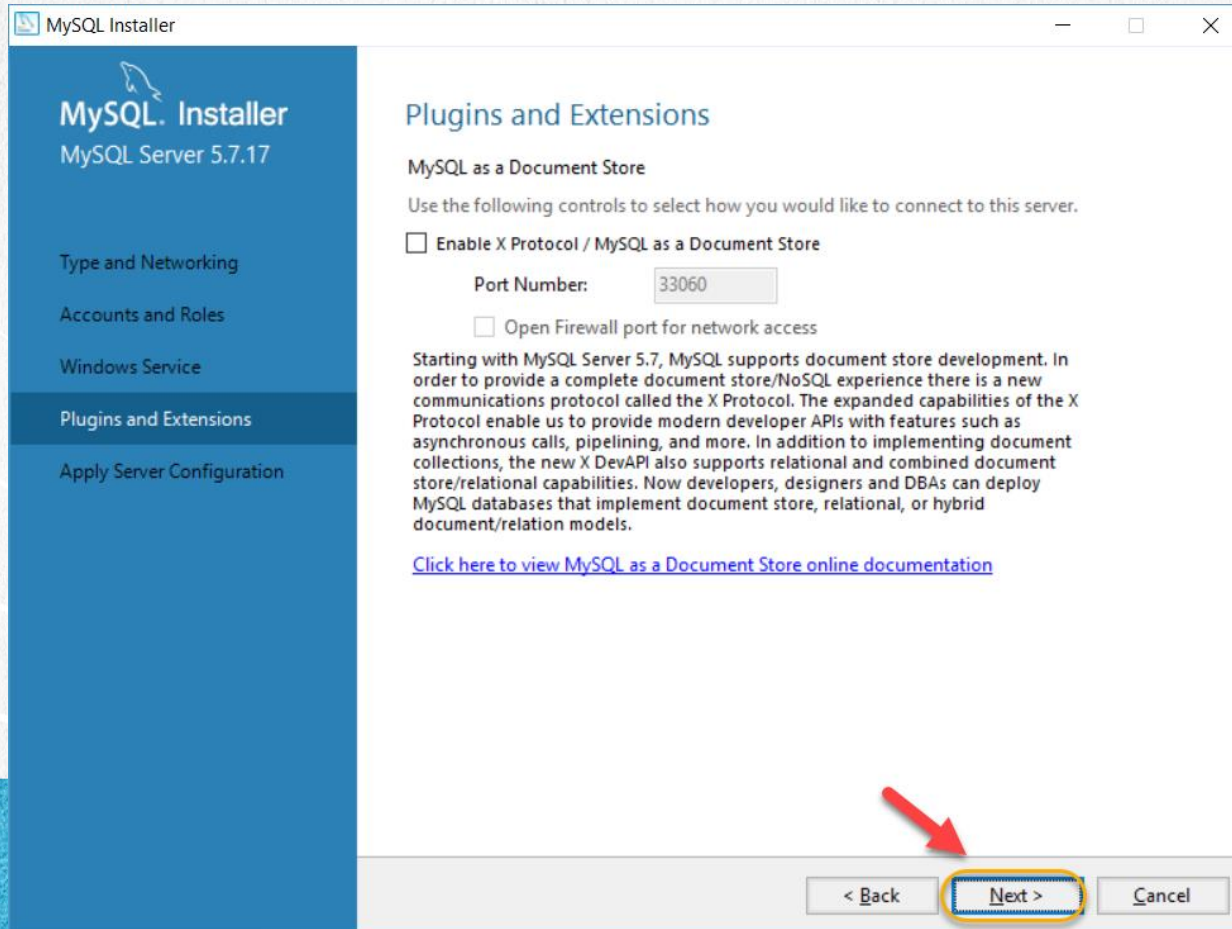
Next >

Cancel

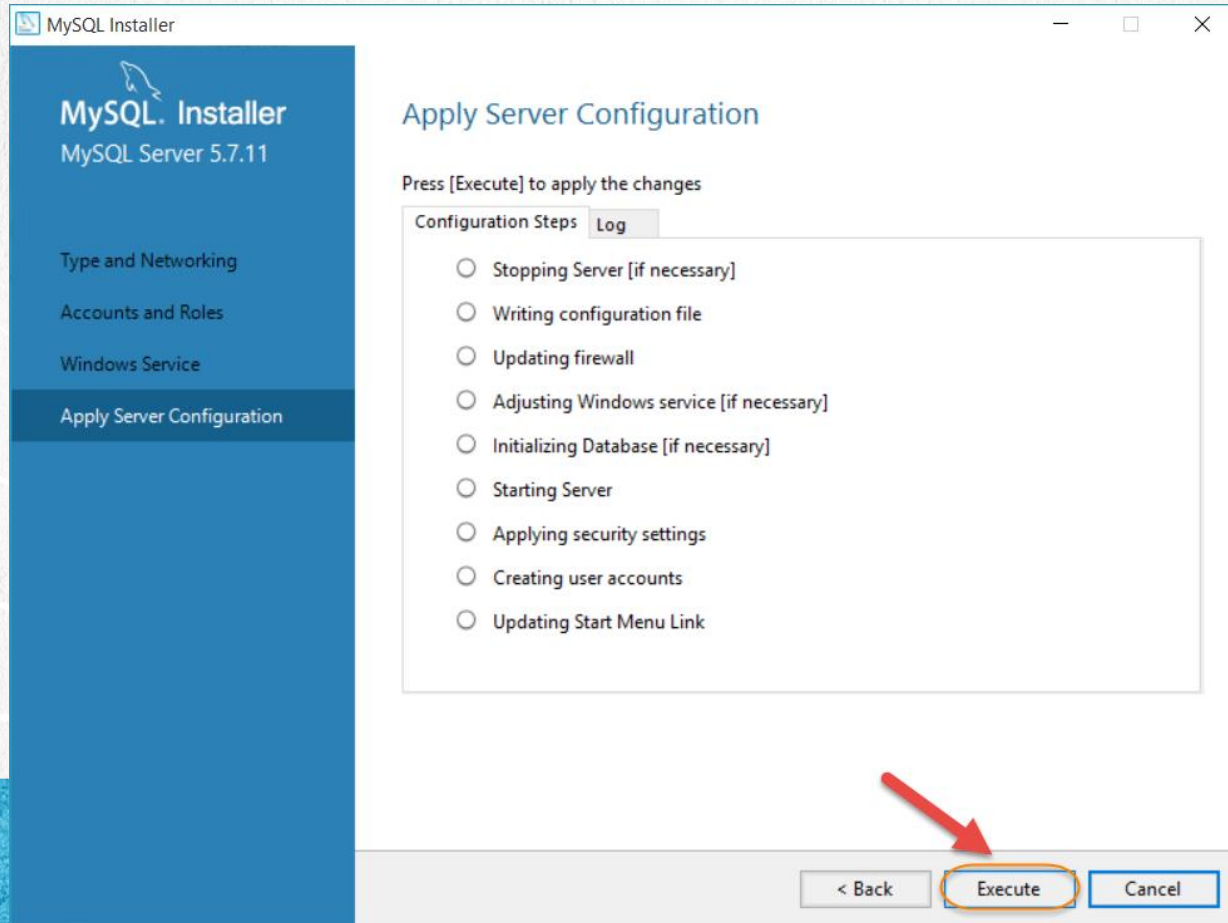
3. MYSQL CONFIGURATION (CONT)



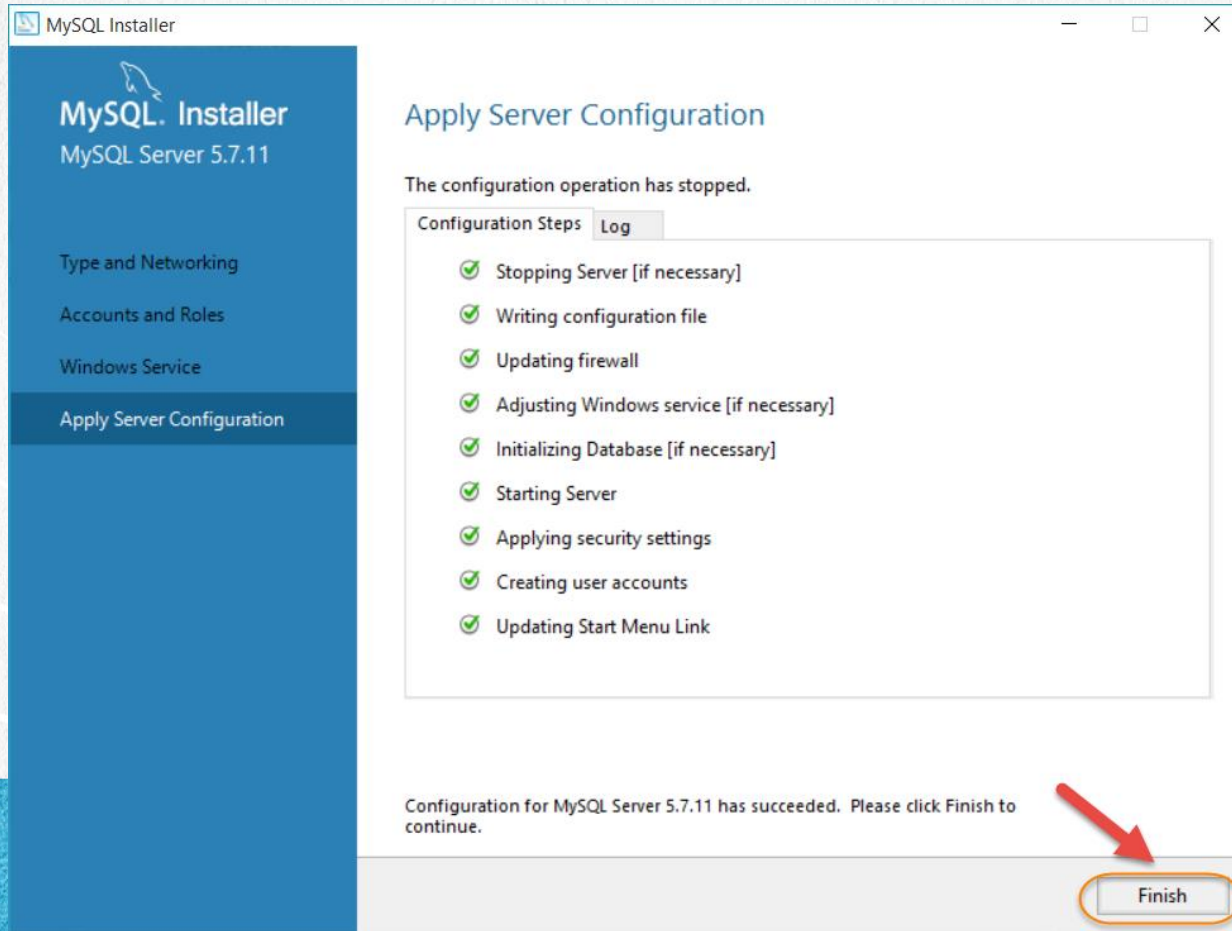
3. MYSQL CONFIGURATION (CONT)



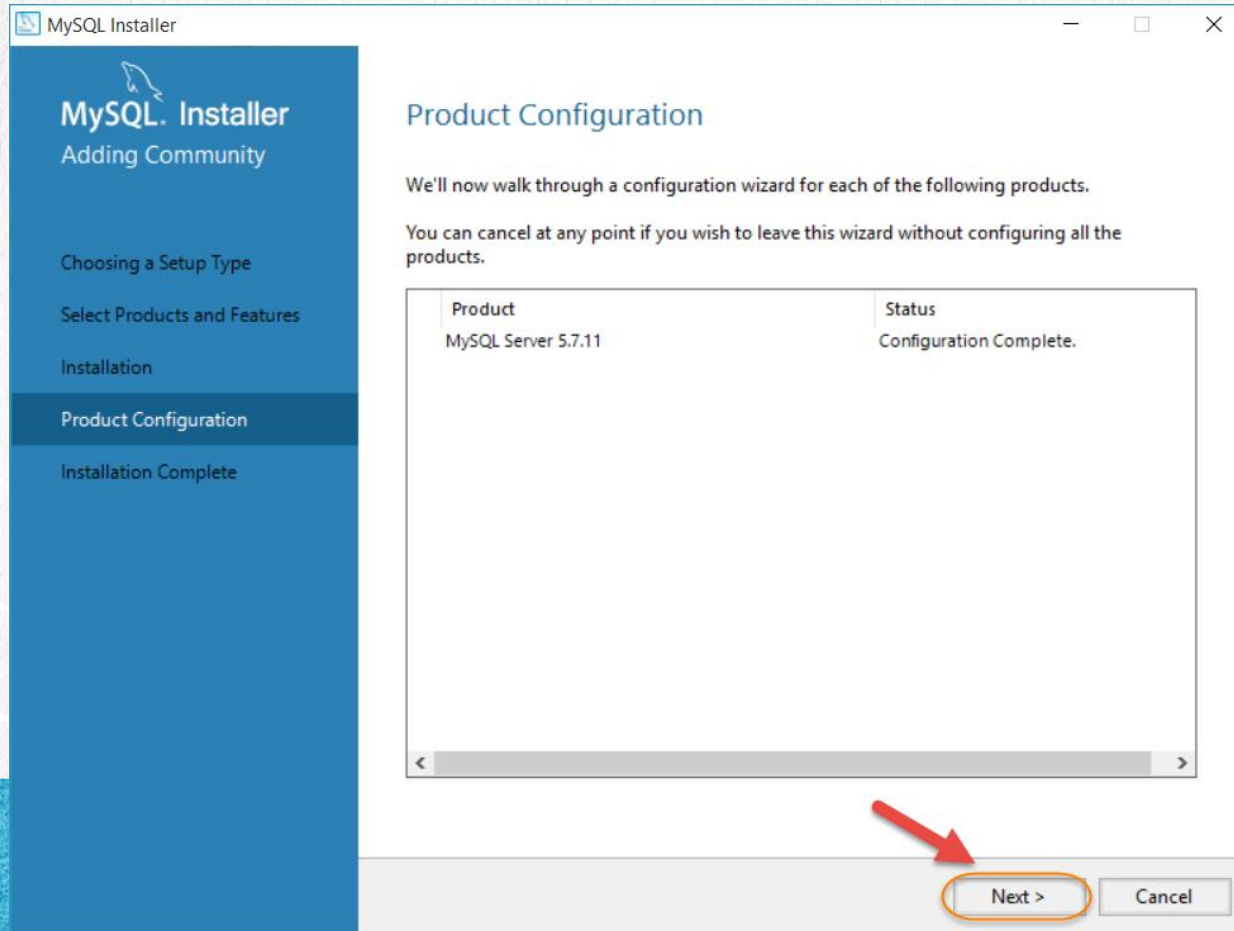
3. MYSQL CONFIGURATION (CONT)



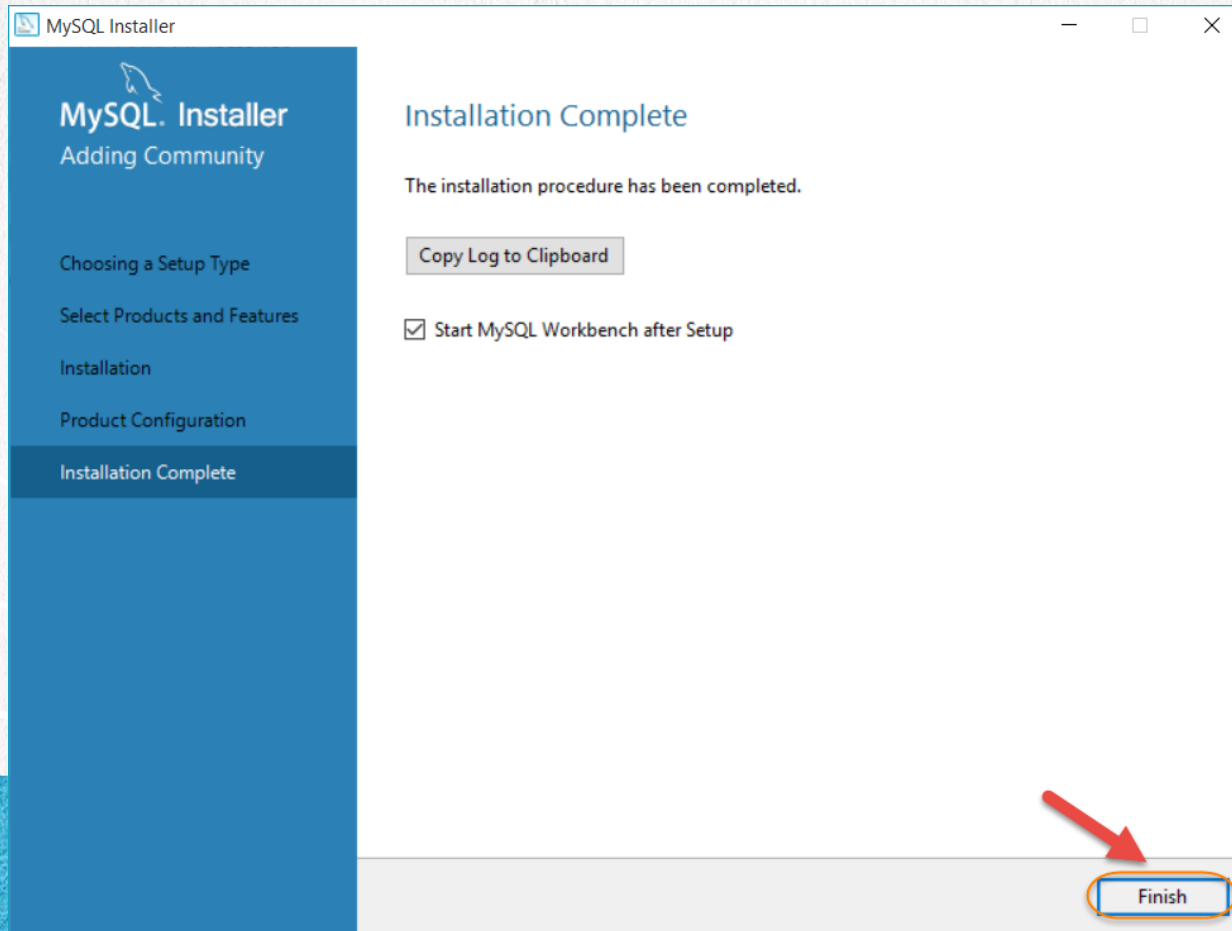
3. MYSQL CONFIGURATION (CONT)



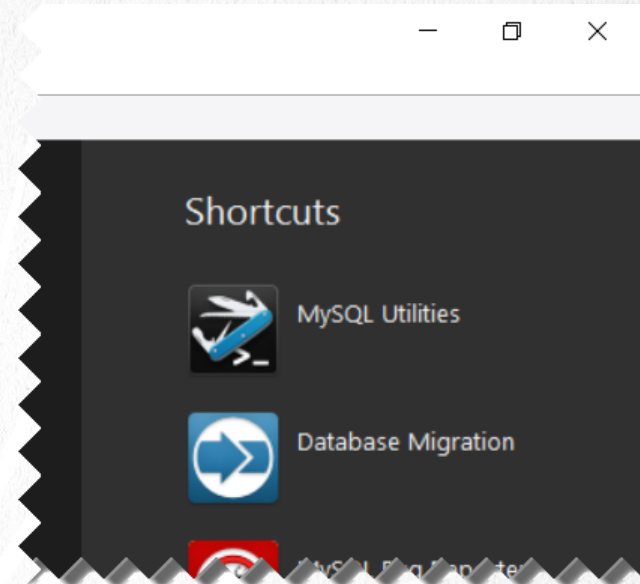
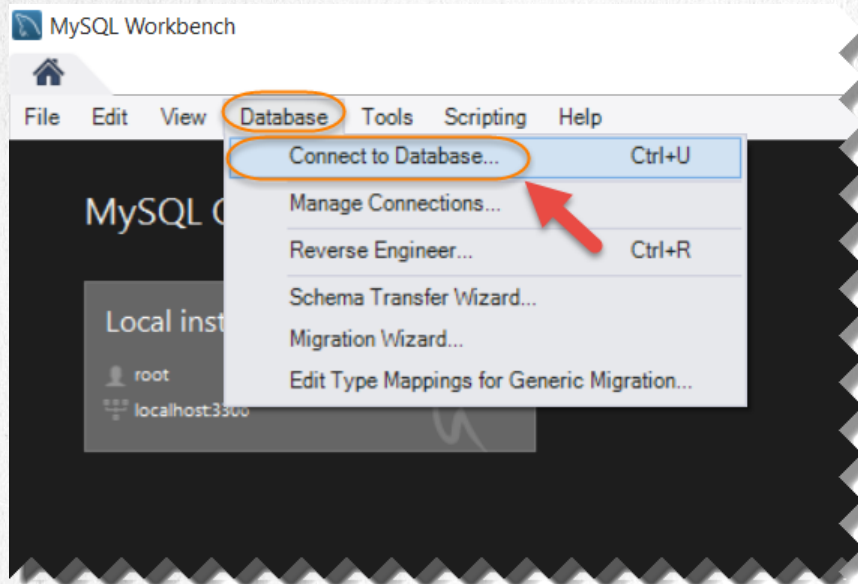
3. MYSQL CONFIGURATION (CONT)



3. MYSQL CONFIGURATION (CONT)



4. MYSQL WORKBENCH CONNECTION



4. MYSQL WORKBENCH CONNECTION (CONT)

The image shows the 'Connect to Database' dialog in MySQL Workbench. The 'Stored Connection' is 'Local instance MySQL56' and the 'Connection Method' is 'Standard (TCP/IP)'. The 'Parameters' tab is active, showing 'Hostname: localhost', 'Port: 3306', 'Username: root', and 'Password:'. A red arrow points to the 'Store in Vault ...' button next to the password field. A yellow arrow points from this button to the 'Store Password For Connection' dialog. The 'Store Password For Connection' dialog prompts for a password for the service 'Mysql@localhost:3306' with user 'root'. The password 'admin' is entered, and a red arrow points to the 'OK' button.

Connect to Database

Stored Connection: Local instance MySQL56 Select from saved connection settings

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

Parameters SSL Advanced

Hostname: localhost Port: 3306 Name or IP address of the server or TCP/IP port.

Username: root Name of the user to connect with.

Password: Store in Vault ... Clear The user's password. Will be redacted if not set.

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

Store Password For Connection

Please enter password for the following service:

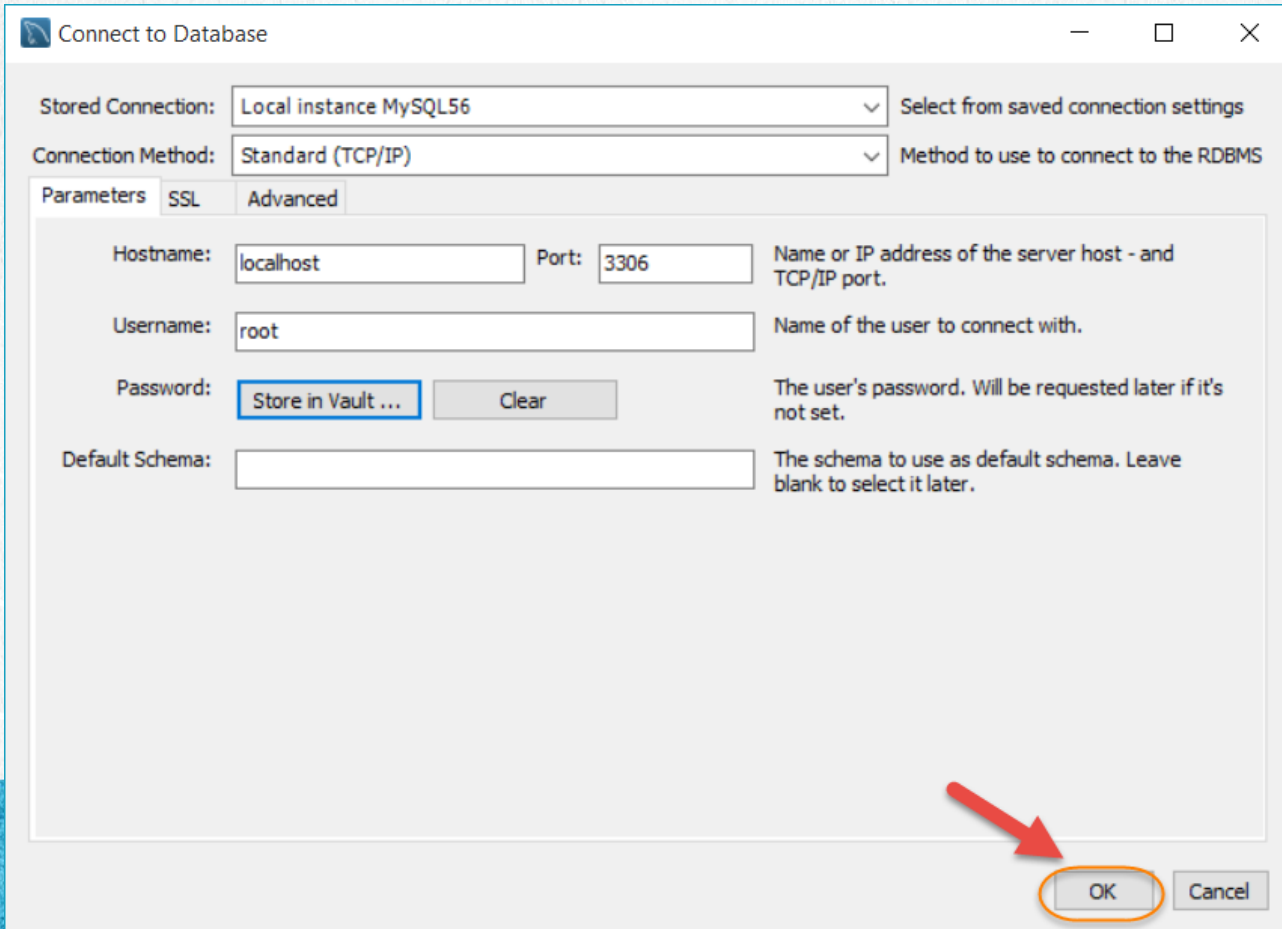
Service: Mysql@localhost:3306

User: root

Password: ***** admin

OK Cancel

4. MYSQL WORKBENCH CONNECTION (CONT)



The image shows the 'Connect to Database' dialog box in MySQL Workbench. The 'Stored Connection' dropdown is set to 'Local instance MySQL56'. The 'Connection Method' dropdown is set to 'Standard (TCP/IP)'. The 'Parameters' tab is selected, showing fields for 'Hostname' (localhost), 'Port' (3306), 'Username' (root), 'Password' (with a 'Store in Vault ...' button and a 'Clear' button), and 'Default Schema' (empty). The 'OK' button is highlighted with a red arrow and an orange circle.

Connect to Database

Stored Connection: Local instance MySQL56 Select from saved connection settings

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

Parameters SSL Advanced

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

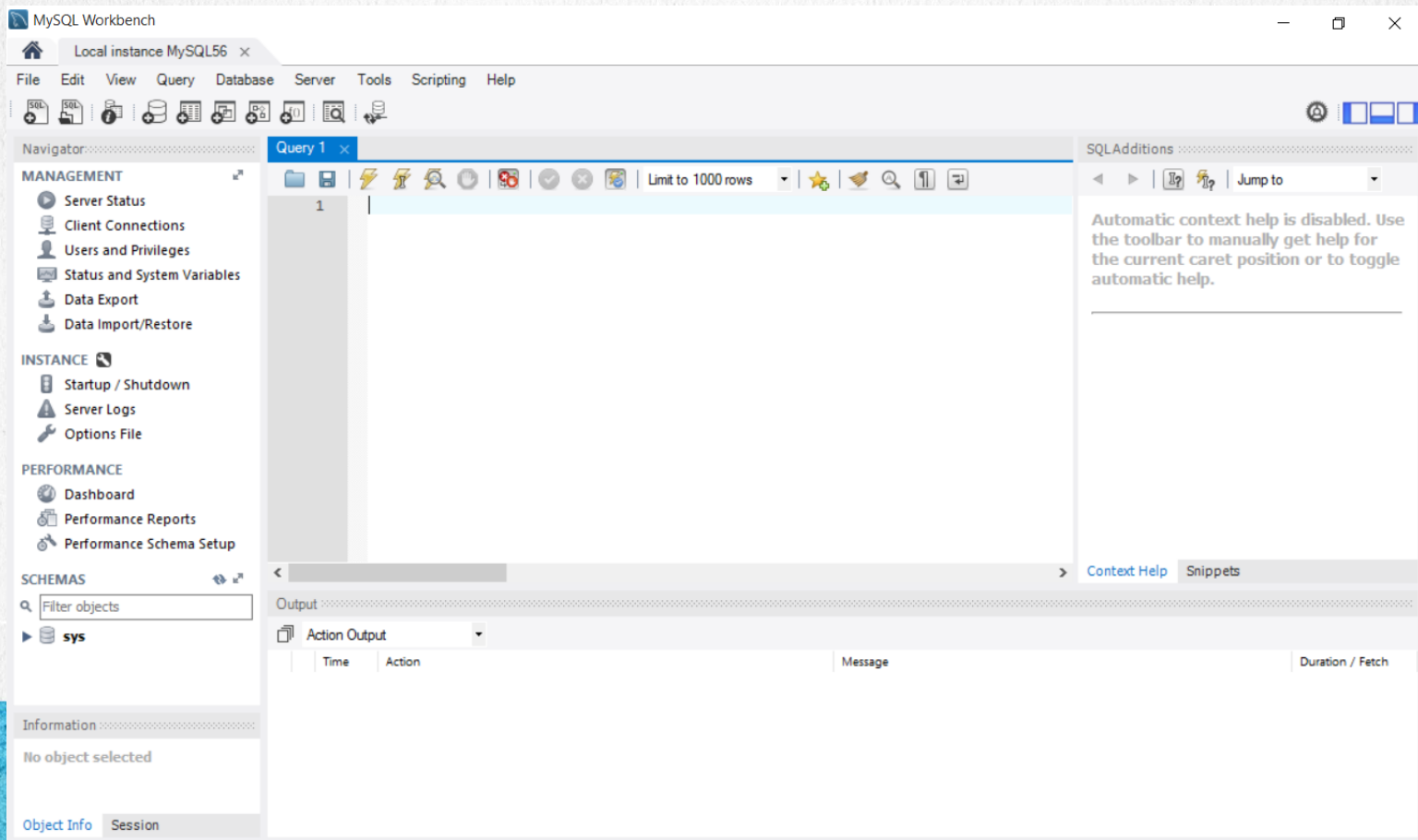
Username: root Name of the user to connect with.

Password: Store in Vault ... Clear 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.

OK Cancel

4. MYSQL WORKBENCH CONNECTION (CONT)



EXERCISE CONCLUSION

With this exercise we have installed MySql and MySql Workbench. This is the database manager that we will be using in several of the practices of this course.

In the following exercise we will create a new database, create a new table within this database and interact with the information that this database table will store.

ONLINE COURSE

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