

Experiment 1

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Installation: Download MySQL Installer

- If you want to install MySQL on the Windows environment, using MySQL installer is the easiest way.
- To download MySQL installer, go to the following link <http://dev.mysql.com/downloads/installer/>. There are two installer files:
- If you are connecting to the internet while installing MySQL, you can choose the online installation version `mysql-installer-web-community-<version>.exe`.
- In case you want to install MySQL offline, you can download the `mysql-installer-community-<version>.exe` file.

Installation

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases

Archives



MySQL Installer 8.0.26

Select Operating System:

Microsoft Windows



Looking for previous GA versions?

Windows (x86, 32-bit), MSI Installer

(mysql-installer-web-community-8.0.26.0.msi)

8.0.26

2.4M

Download

MD5: eaddc383a742775a5b33a3783a4890fb | Signature

Windows (x86, 32-bit), MSI Installer

(mysql-installer-community-8.0.26.0.msi)

8.0.26

450.7M

Download

MD5: b5b8e6bc39f2b163b817264ae206b815 | Signature

Installation

MySQL Community Downloads

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system

Login »

using my Oracle Web account

Sign Up »

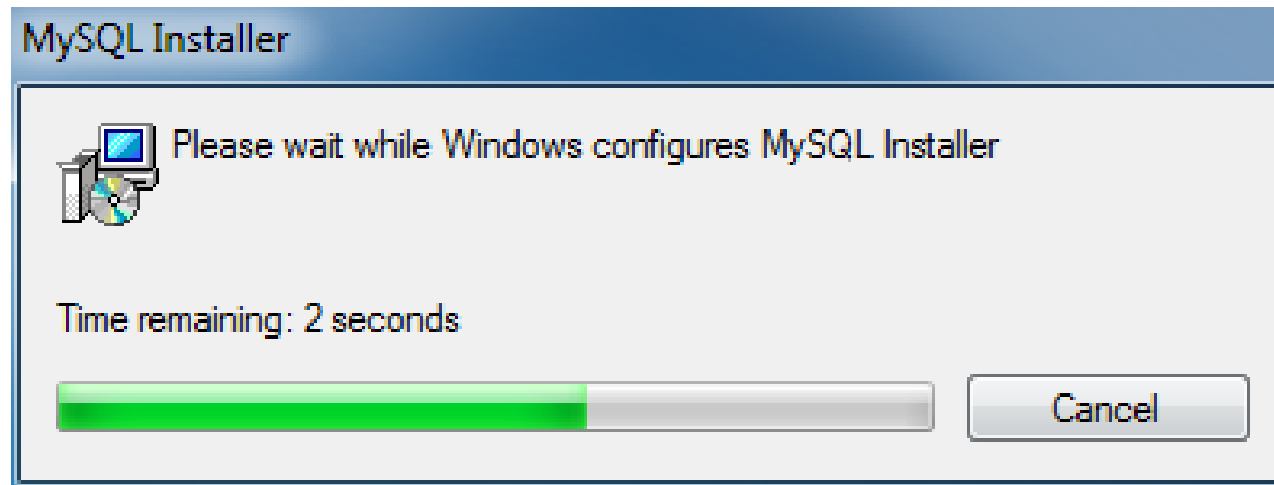
for an Oracle Web account

MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can signup for a free account by clicking the Sign Up link and following the instructions.

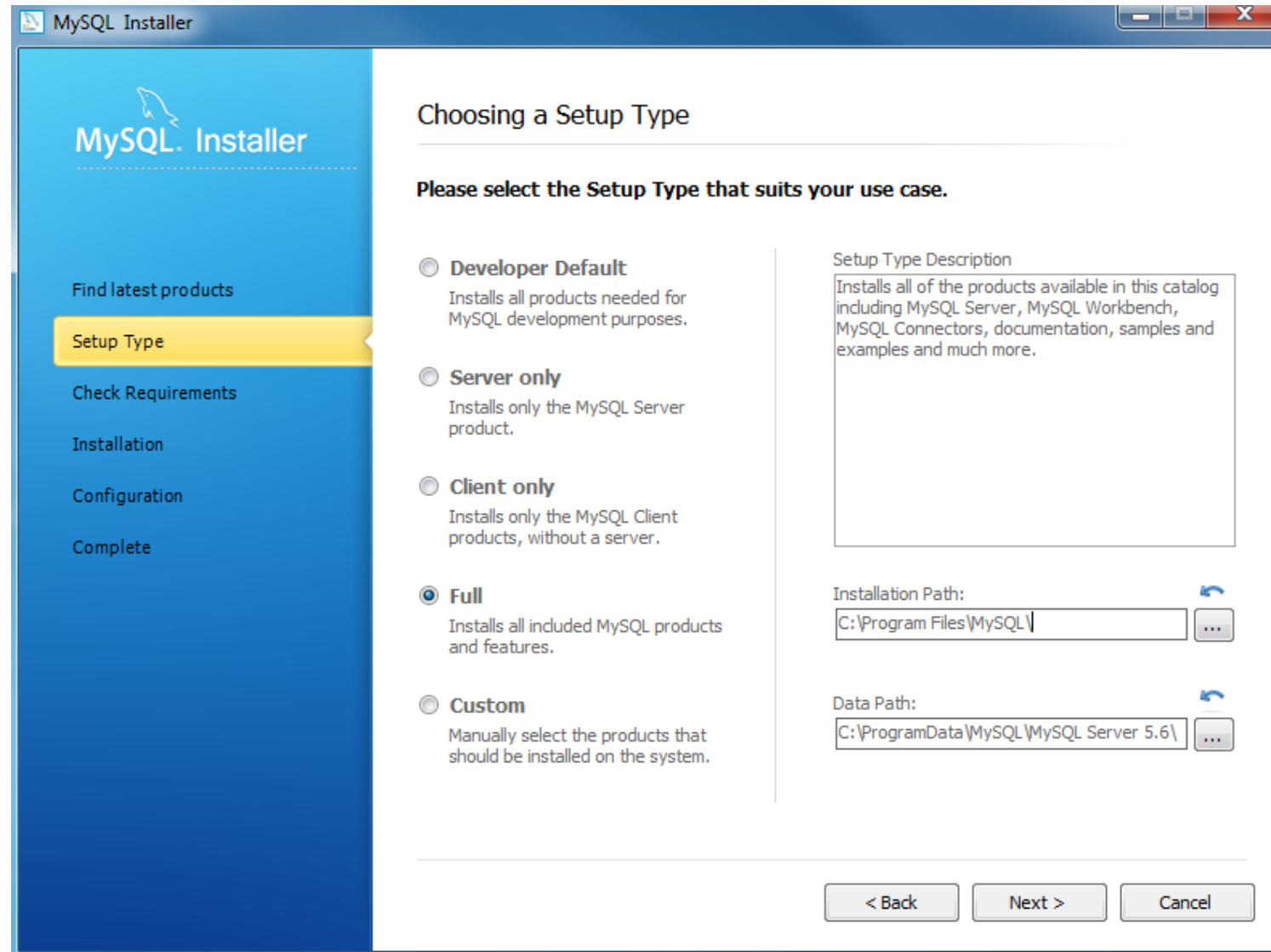
No thanks, just start my download.

Installation: Install MySQL via MySQL Installer

- To install MySQL using the MySQL installer, double-click on the MySQL installer file and follow the steps below:



Installation: Setup Type



Installation

Select Execute

MySQL Installer

MySQL[®] Installer
Adding Community

Choosing a Setup Type

Check Requirements

Download

Installation

Product Configuration

Installation Complete

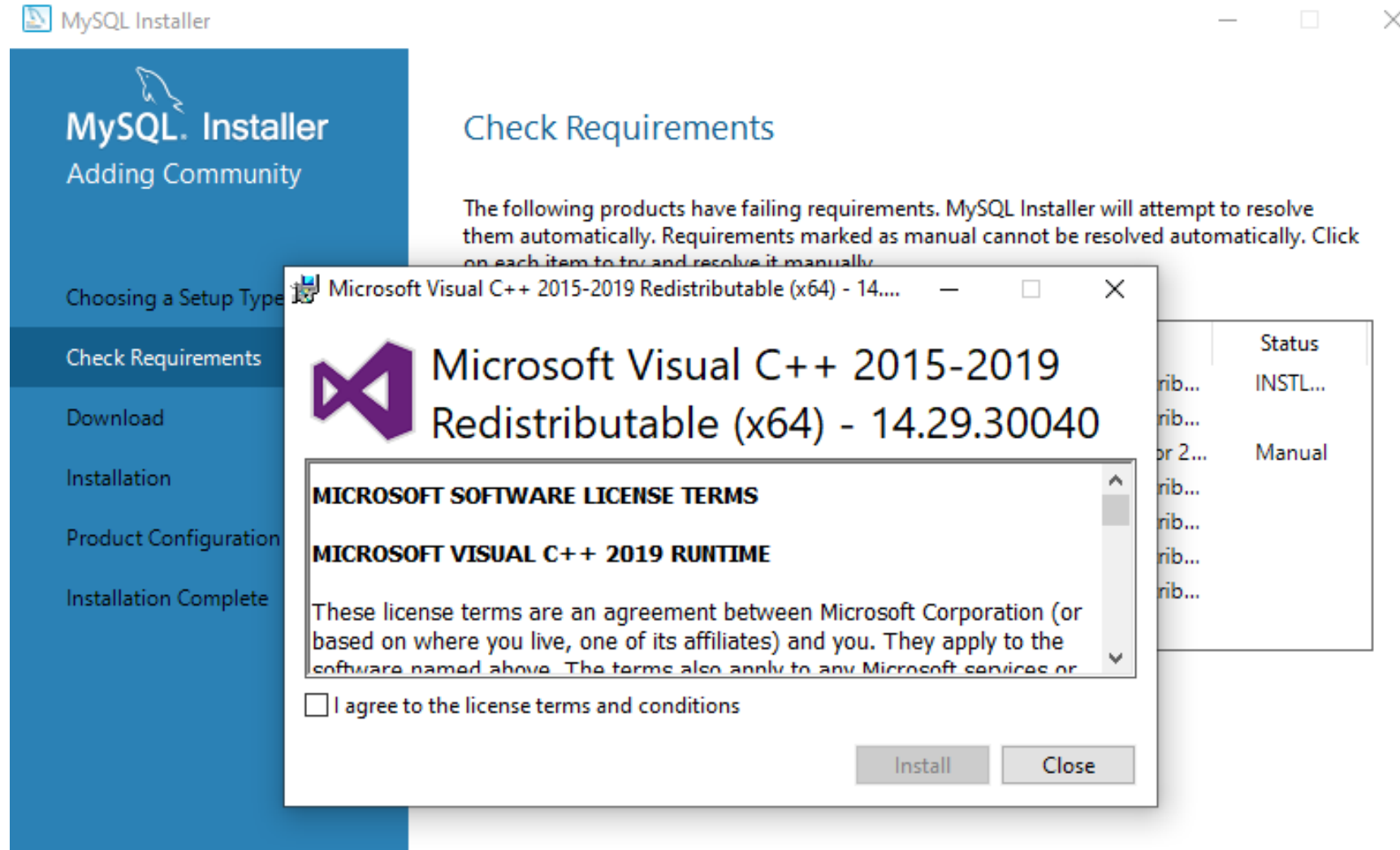
Check Requirements

The following products have failing requirements. MySQL Installer will attempt to resolve them automatically. Requirements marked as manual cannot be resolved automatically. Click on each item to try and resolve it manually.

For Product	Requirement	Status
<input type="radio"/> MySQL Server 8.0.26	Microsoft Visual C++ 2019 Redistrib...	
<input type="radio"/> MySQL Workbench 8.0.26	Microsoft Visual C++ 2019 Redistrib...	
<input type="radio"/> MySQL for Visual Studio 1.2.10	Visual Studio version 2015, 2017 or 2...	Manual
<input type="radio"/> MySQL Shell 8.0.26	Microsoft Visual C++ 2019 Redistrib...	
<input type="radio"/> MySQL Router 8.0.26	Microsoft Visual C++ 2019 Redistrib...	
<input type="radio"/> Connector/ODBC 8.0.26	Microsoft Visual C++ 2019 Redistrib...	
<input type="radio"/> Connector/C++ 8.0.26	Microsoft Visual C++ 2017 Redistrib...	

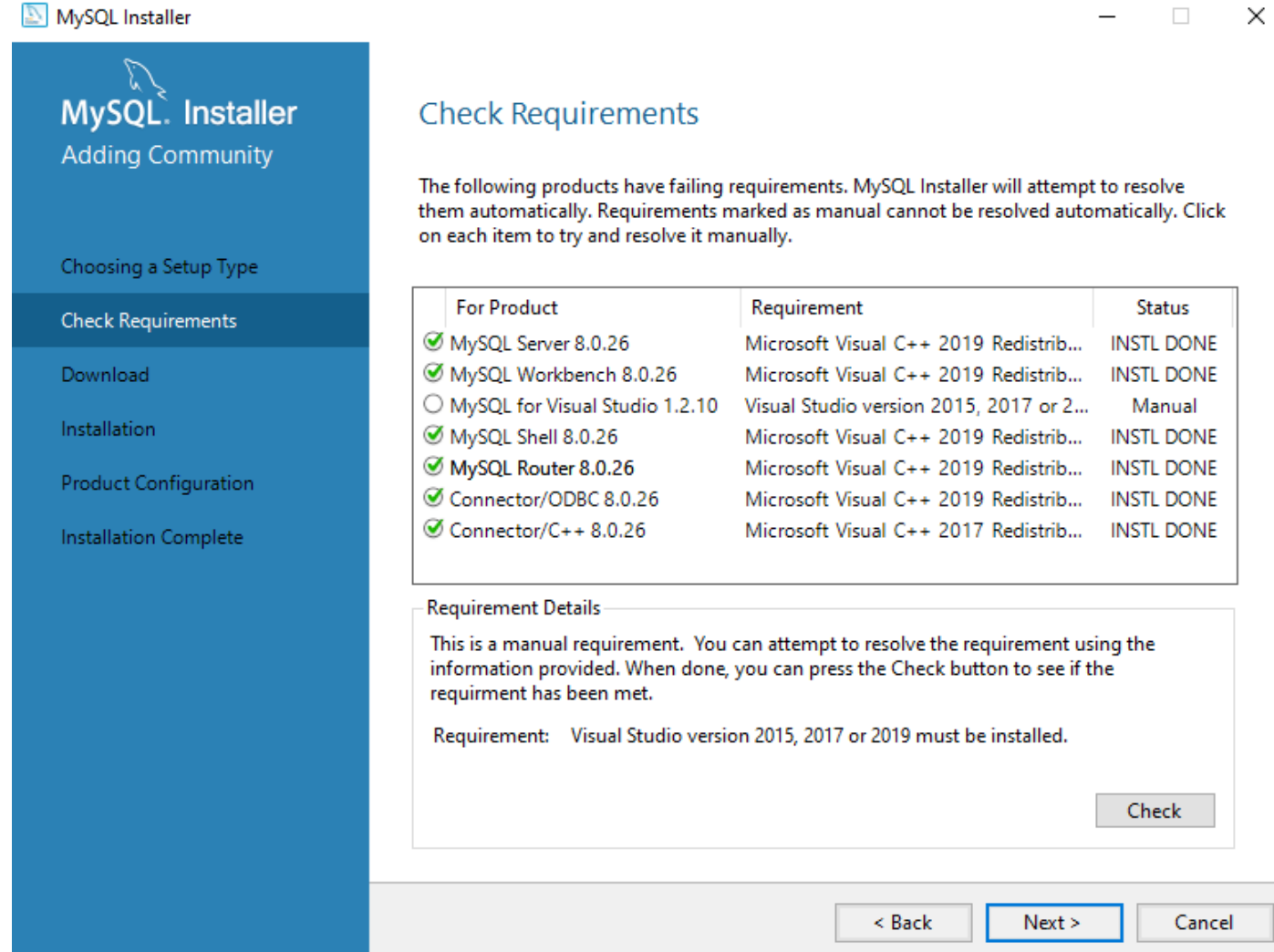
Installation

Select I agree,
then Next



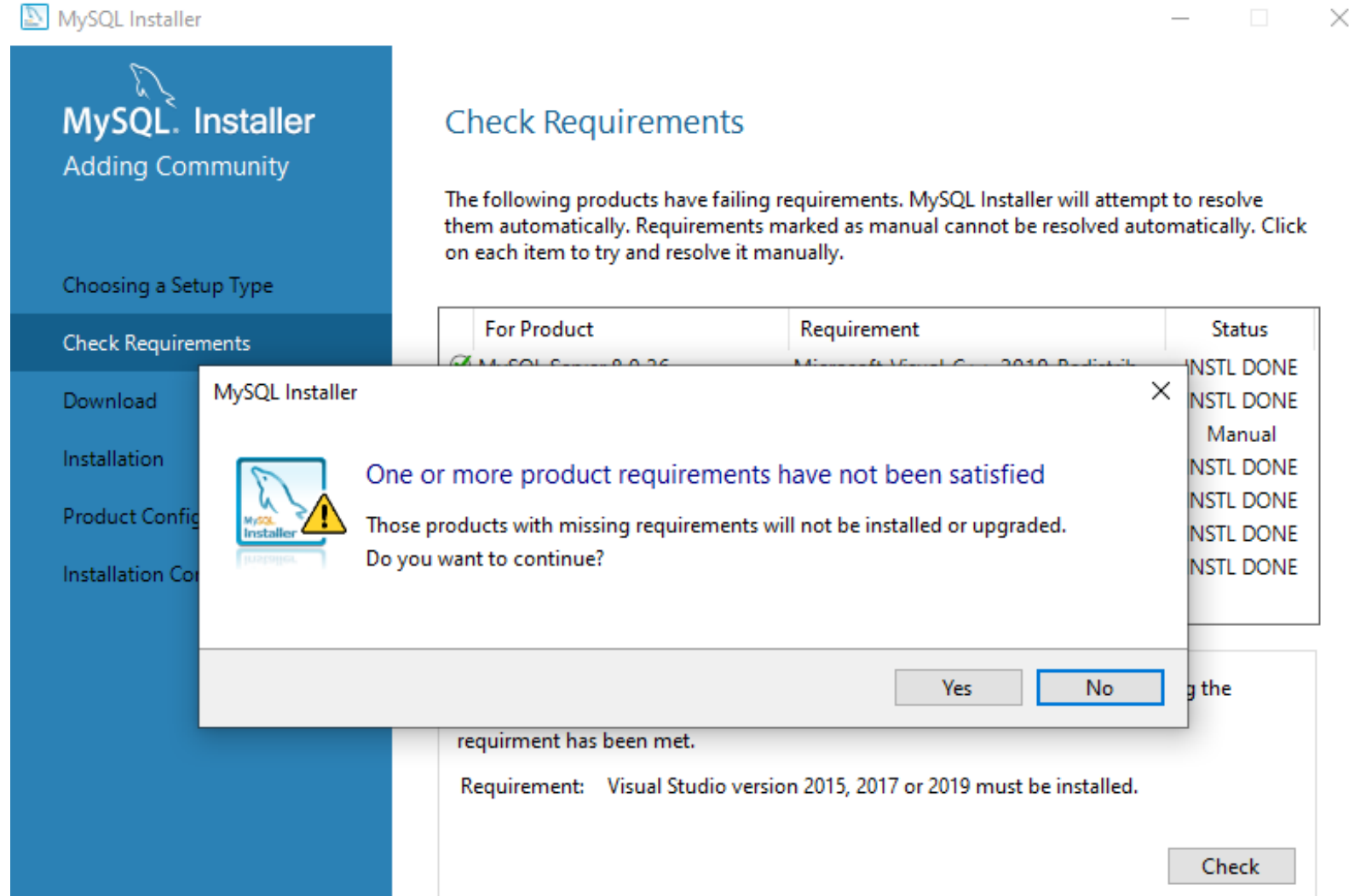
Installation

Select Next



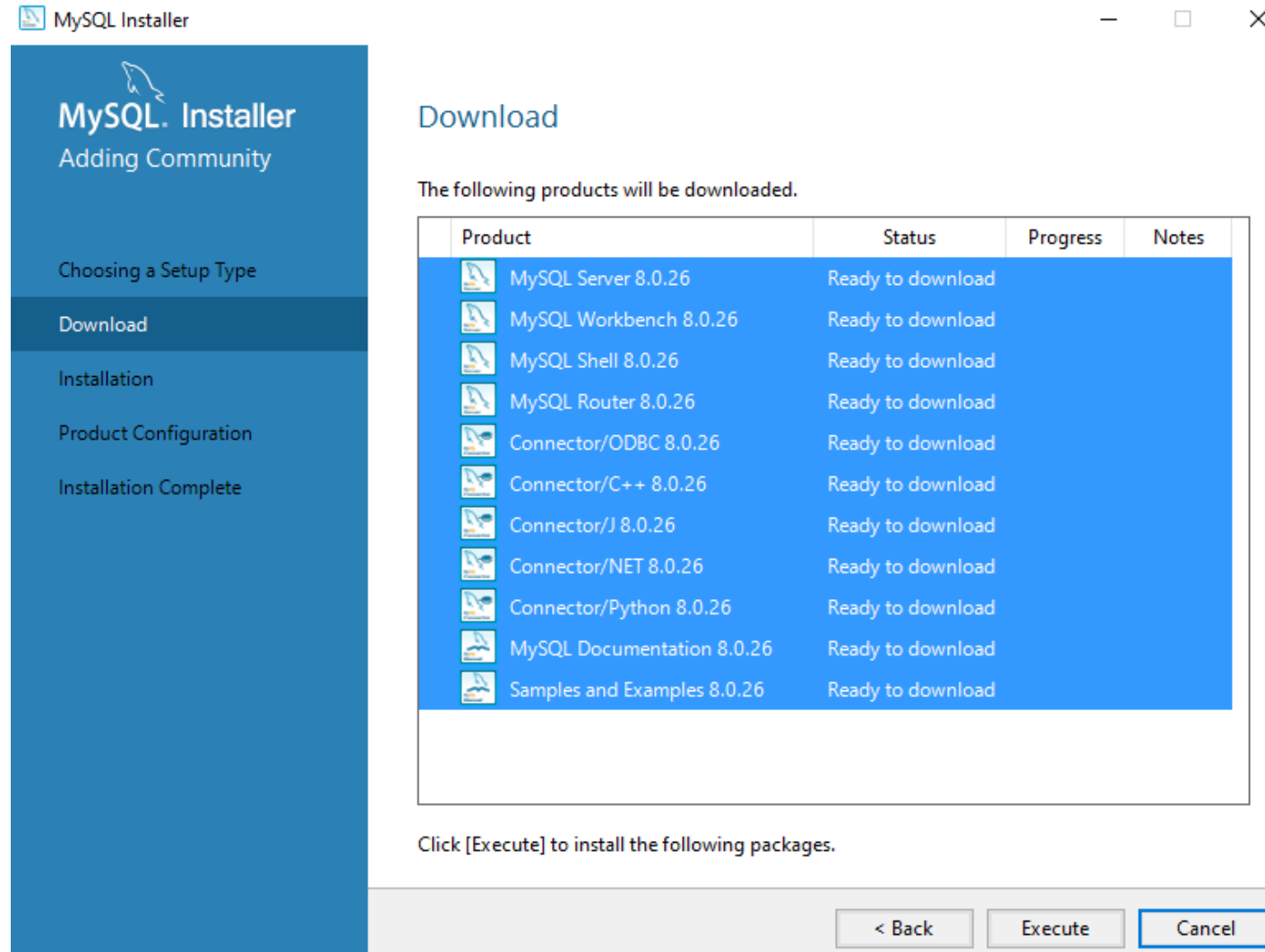
Installation

Select Yes



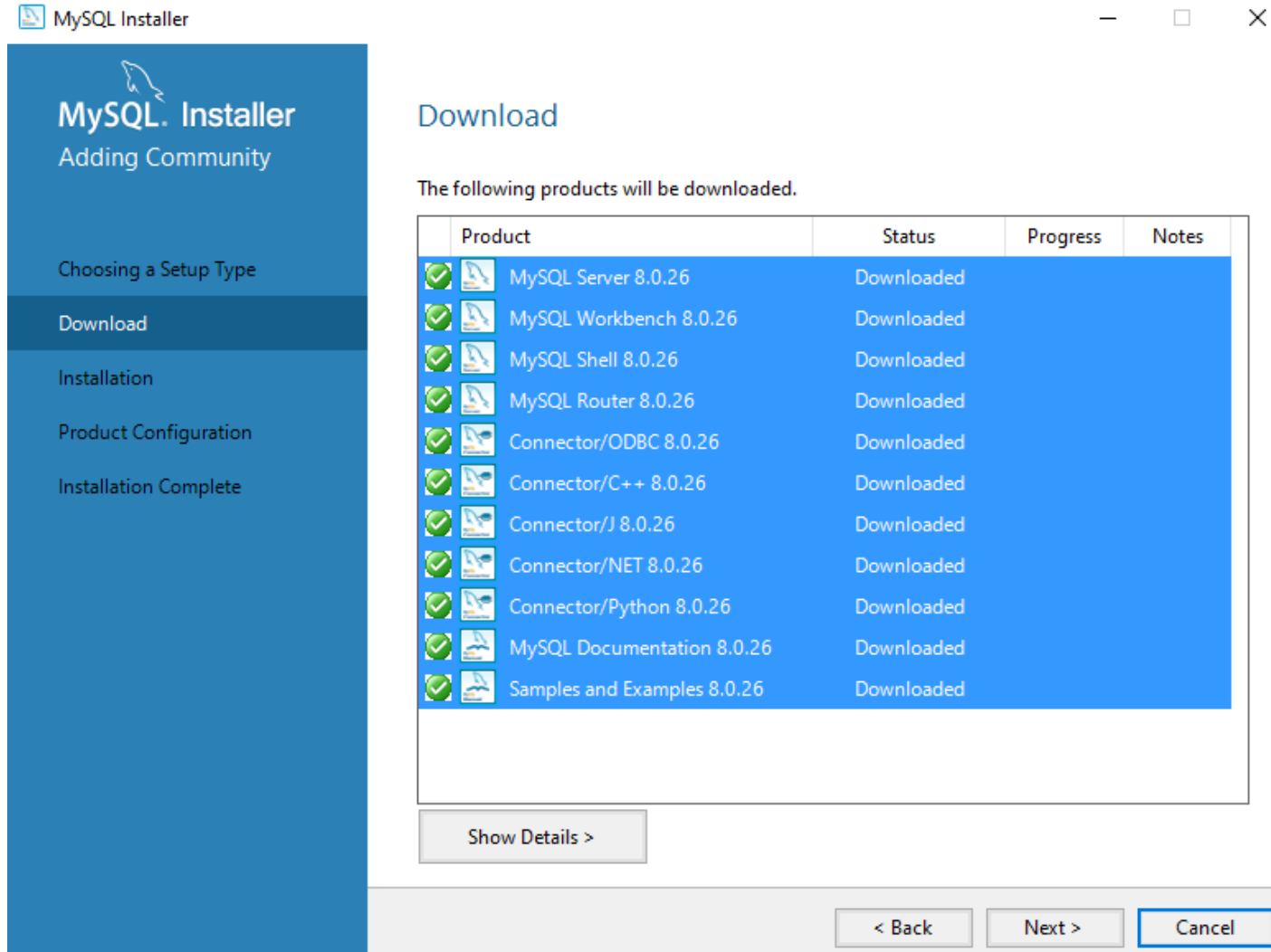
Installation

Select Execute



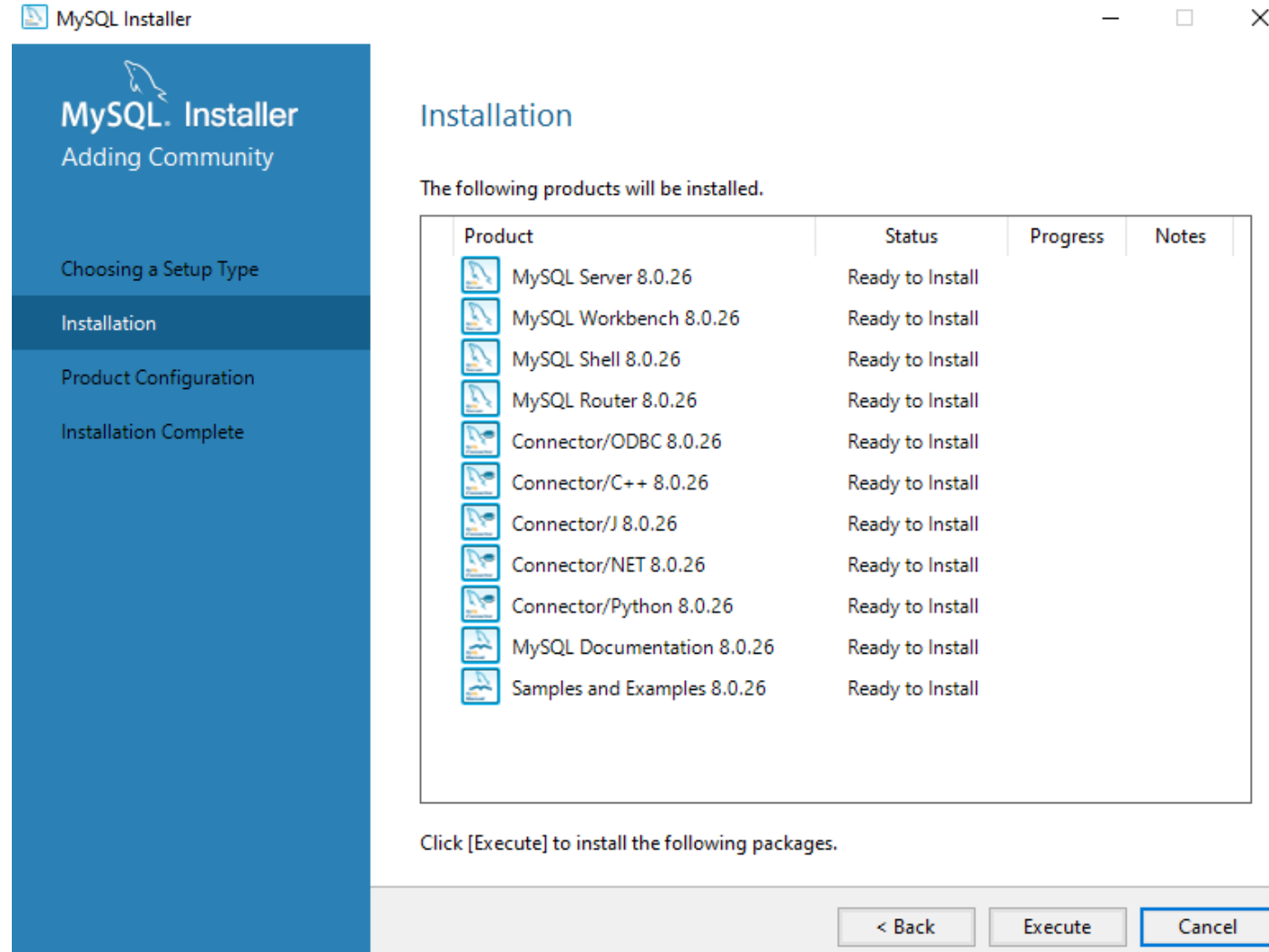
Installation

Select Next



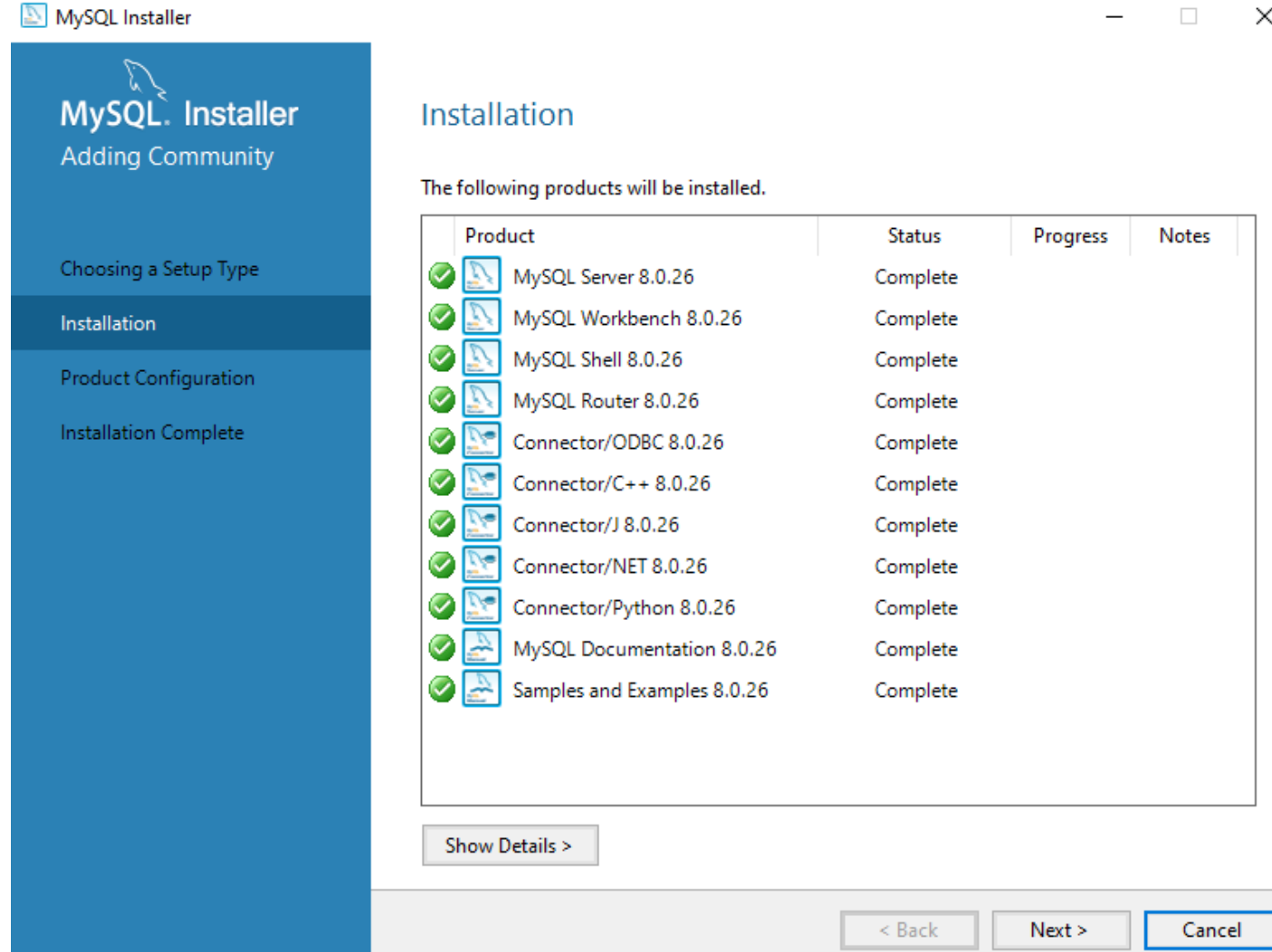
Select Execute

Installation



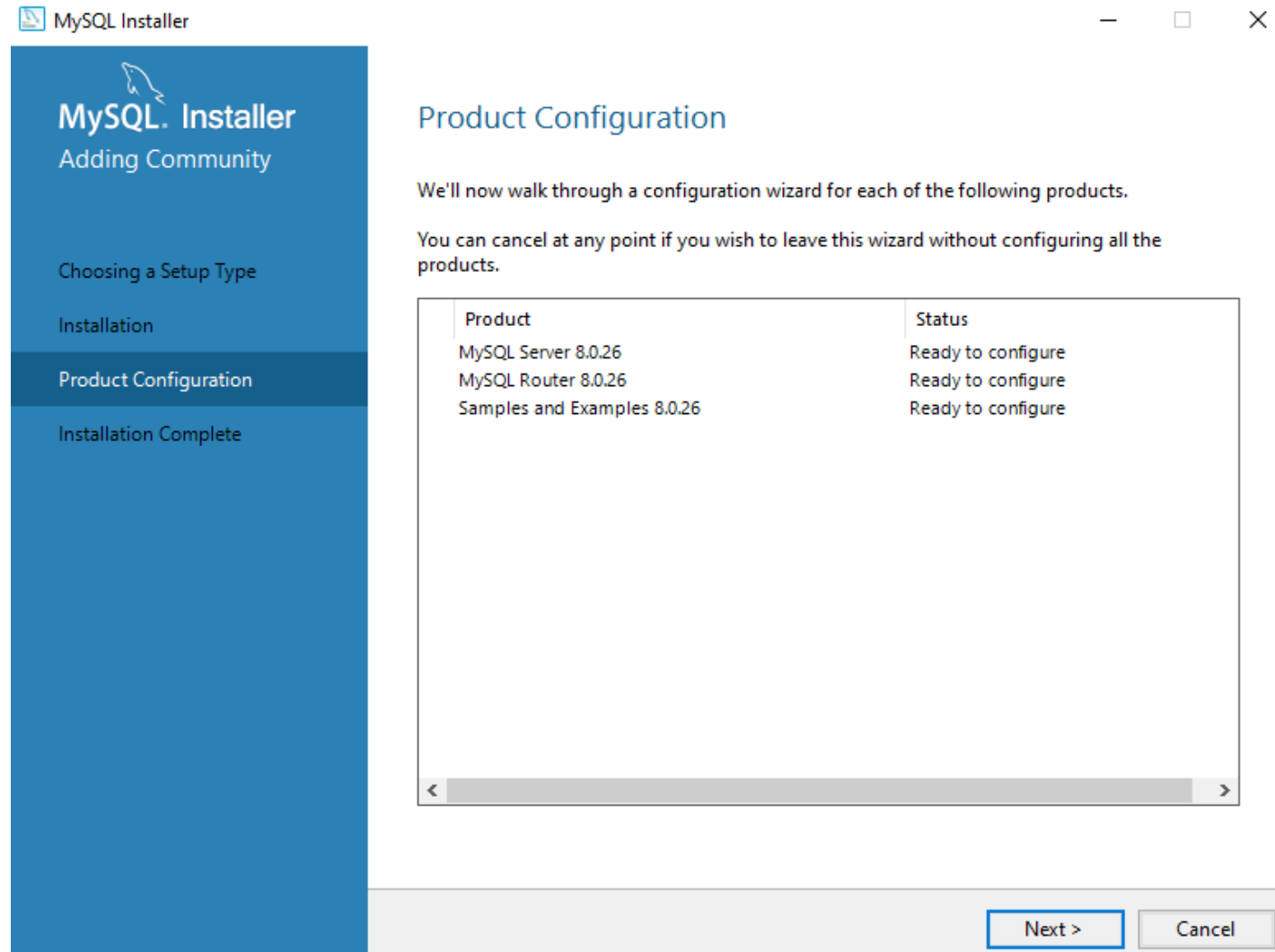
Installation

Select Next



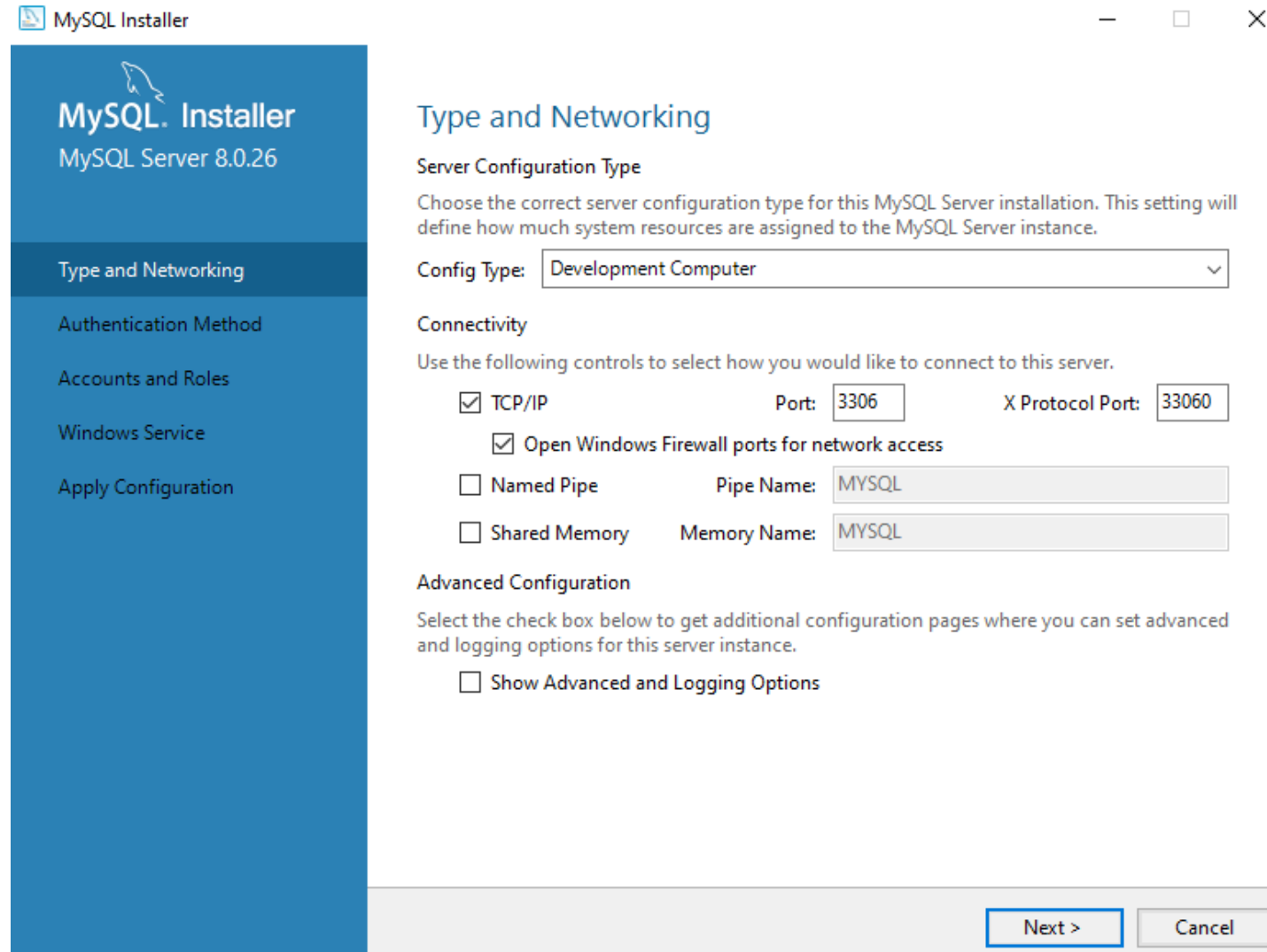
Installation

Select Next



Installation

Select Next



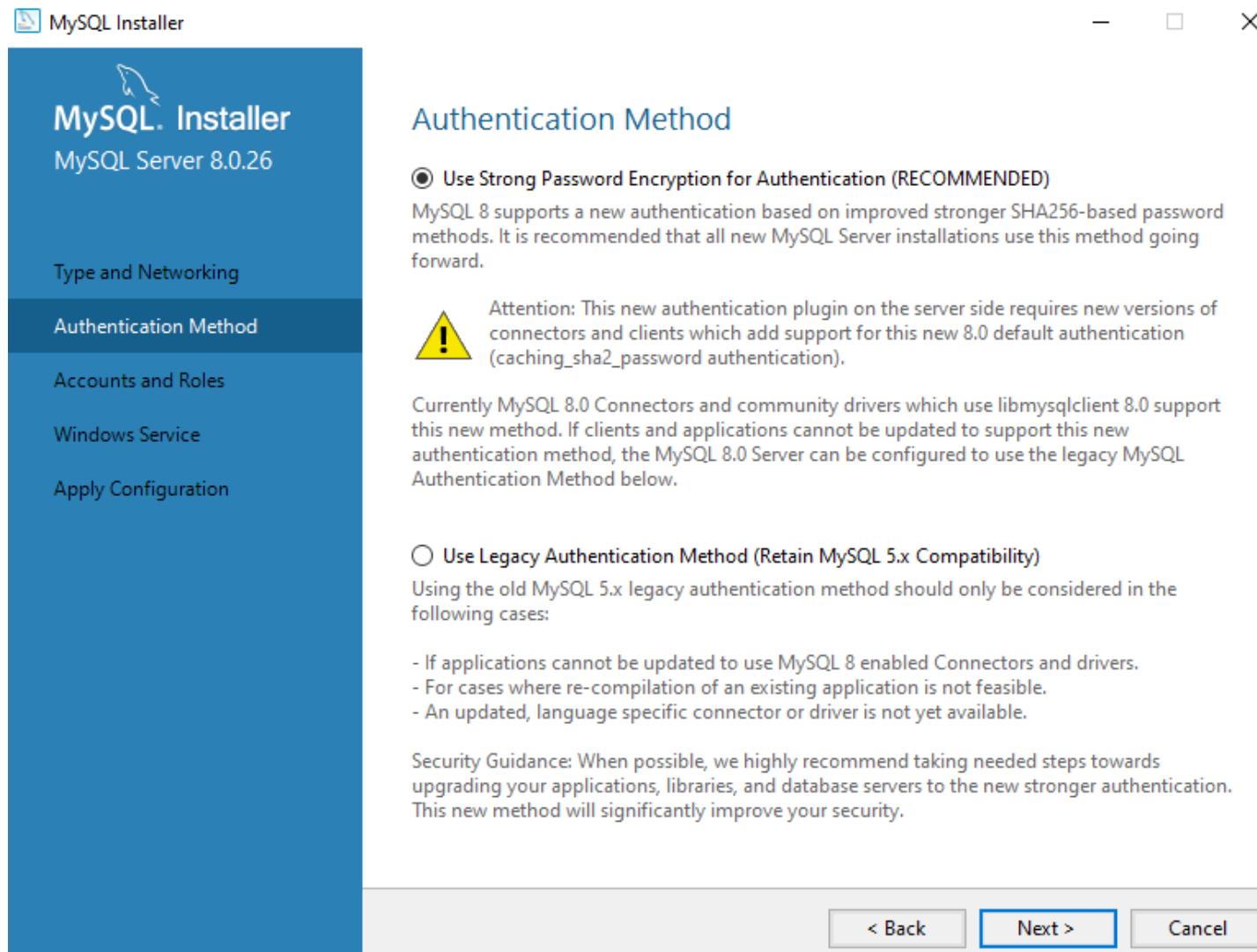
The image shows a screenshot of the MySQL Installer window for MySQL Server 8.0.26. The window has a blue sidebar on the left with the following menu items: 'Type and Networking' (selected), 'Authentication Method', 'Accounts and Roles', 'Windows Service', and 'Apply Configuration'. The main area is 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:
- Connectivity**
Use the following controls to select how you would like to connect to this server.
 - ☒ TCP/IP
Port: X Protocol Port:
 - ☒ Open Windows Firewall ports for network access
 - ☐ Named Pipe
Pipe Name:
 - ☐ Shared Memory
Memory Name:
- 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 of the window, there are two buttons: 'Next >' and 'Cancel'.

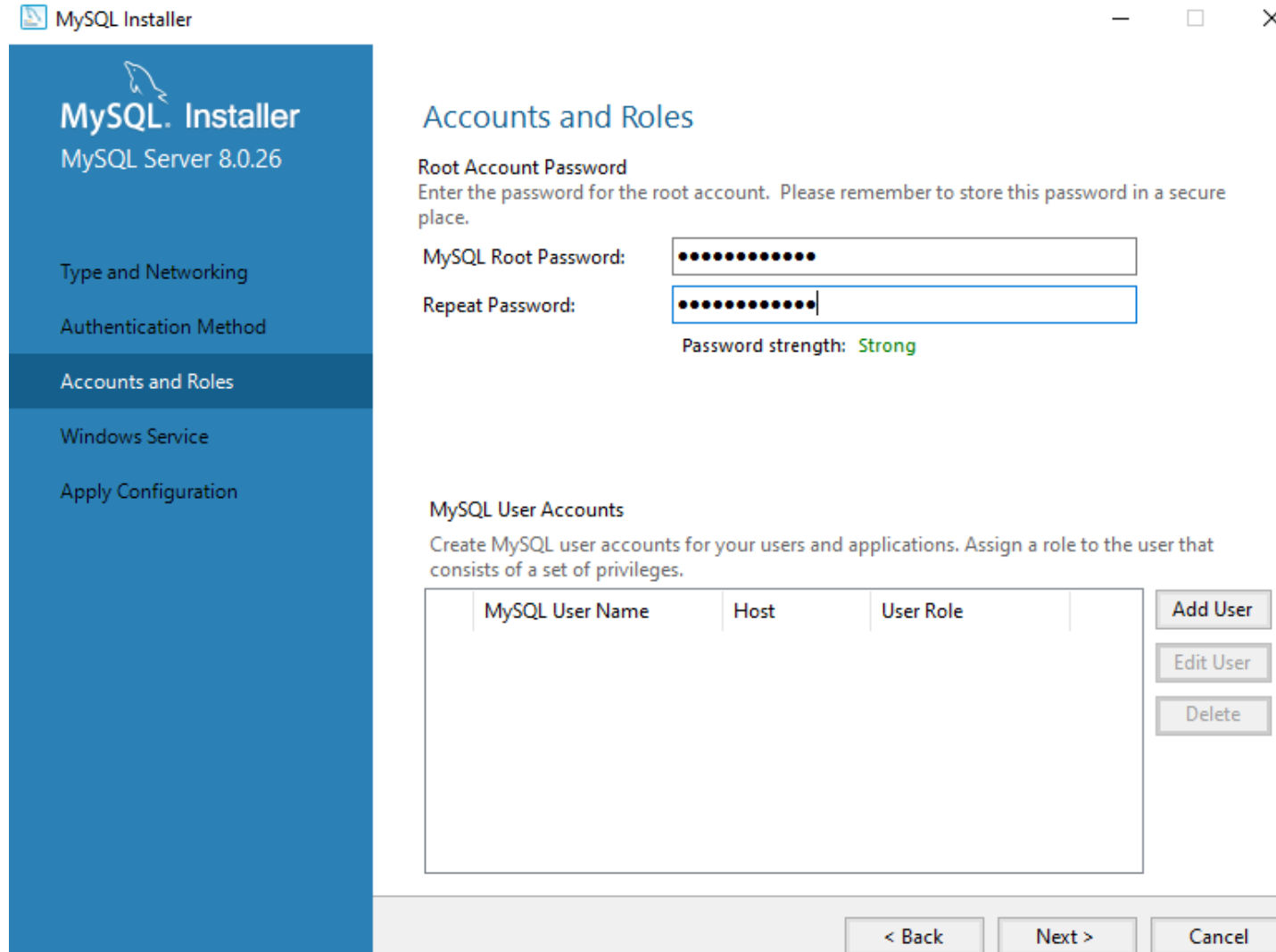
Select Next

Installation



Installation

Select Next



The image shows the MySQL Installer window for MySQL Server 8.0.26. The left sidebar contains the following steps: Type and Networking, Authentication Method, Accounts and Roles (selected), Windows Service, and Apply Configuration. The main area is titled 'Accounts and Roles' and contains two sections. The first section, 'Root Account Password', prompts the user to enter a password for the root account, with a note to store it securely. It includes input fields for 'MySQL Root Password' and 'Repeat Password', both masked with dots. Below these fields, the password strength is indicated as 'Strong' in green. The second section, 'MySQL User Accounts', prompts the user to create MySQL user accounts and assign roles. It features a table with columns for 'MySQL User Name', '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 are three buttons: '< Back', 'Next >', and 'Cancel'.

MySQL Installer

MySQL Server 8.0.26

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

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: **Strong**

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
-----------------	------	-----------

Add User

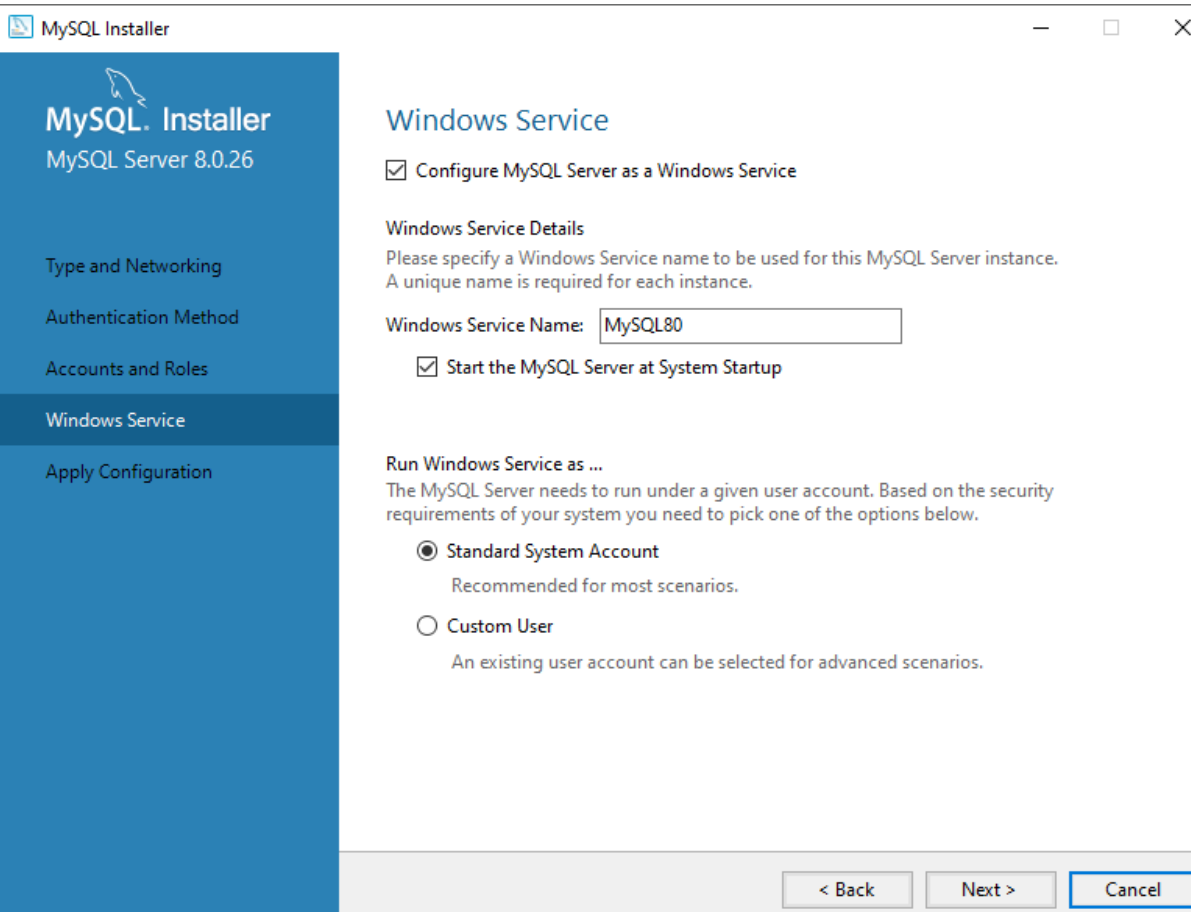
Edit User

Delete

< Back Next > Cancel

Installation

Select Next



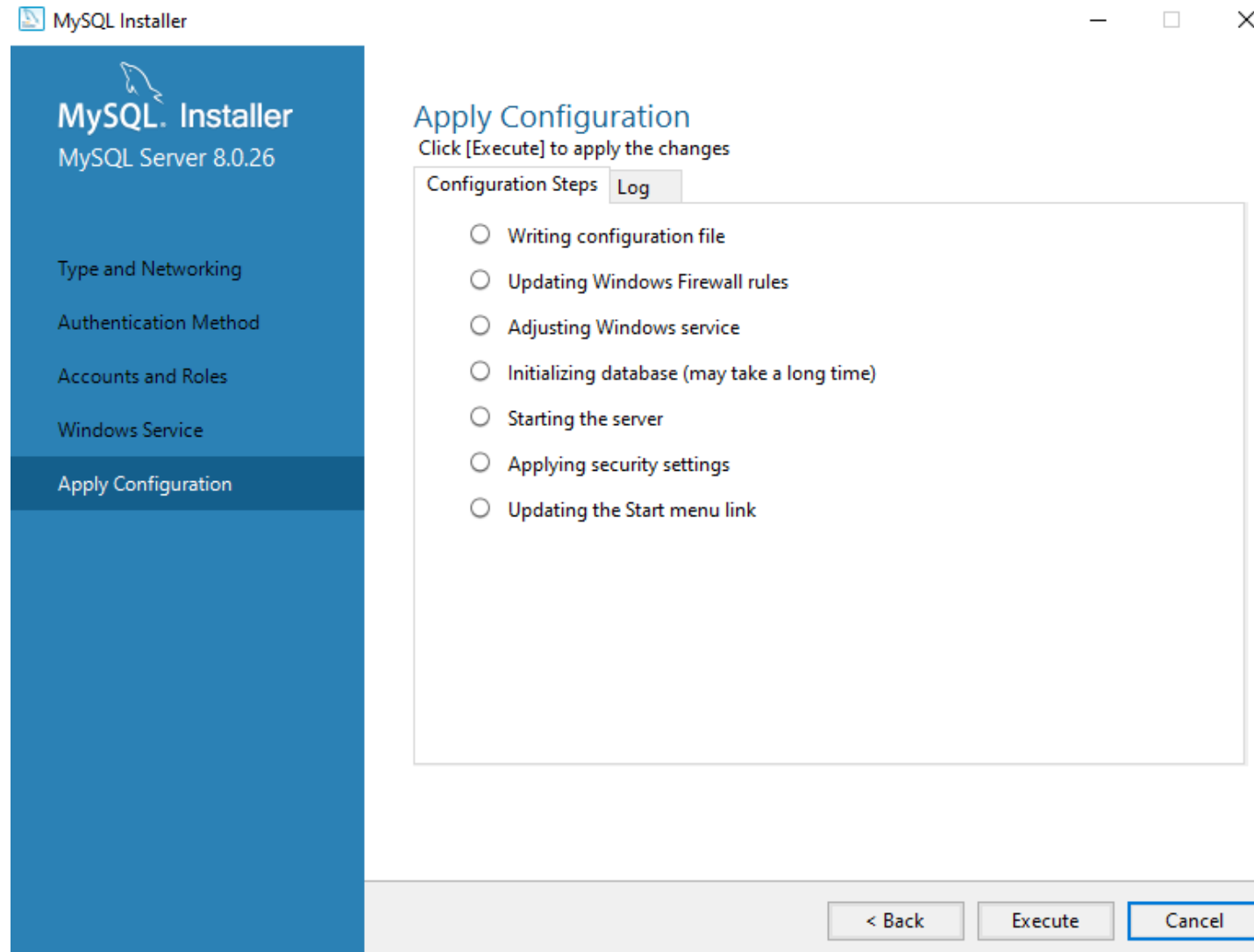
The image shows the MySQL Installer window for Windows Service configuration. The left sidebar contains a list of steps: Type and Networking, Authentication Method, Accounts and Roles, Windows Service (selected), and Apply Configuration. The main area is titled 'Windows Service' and contains the following 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'.

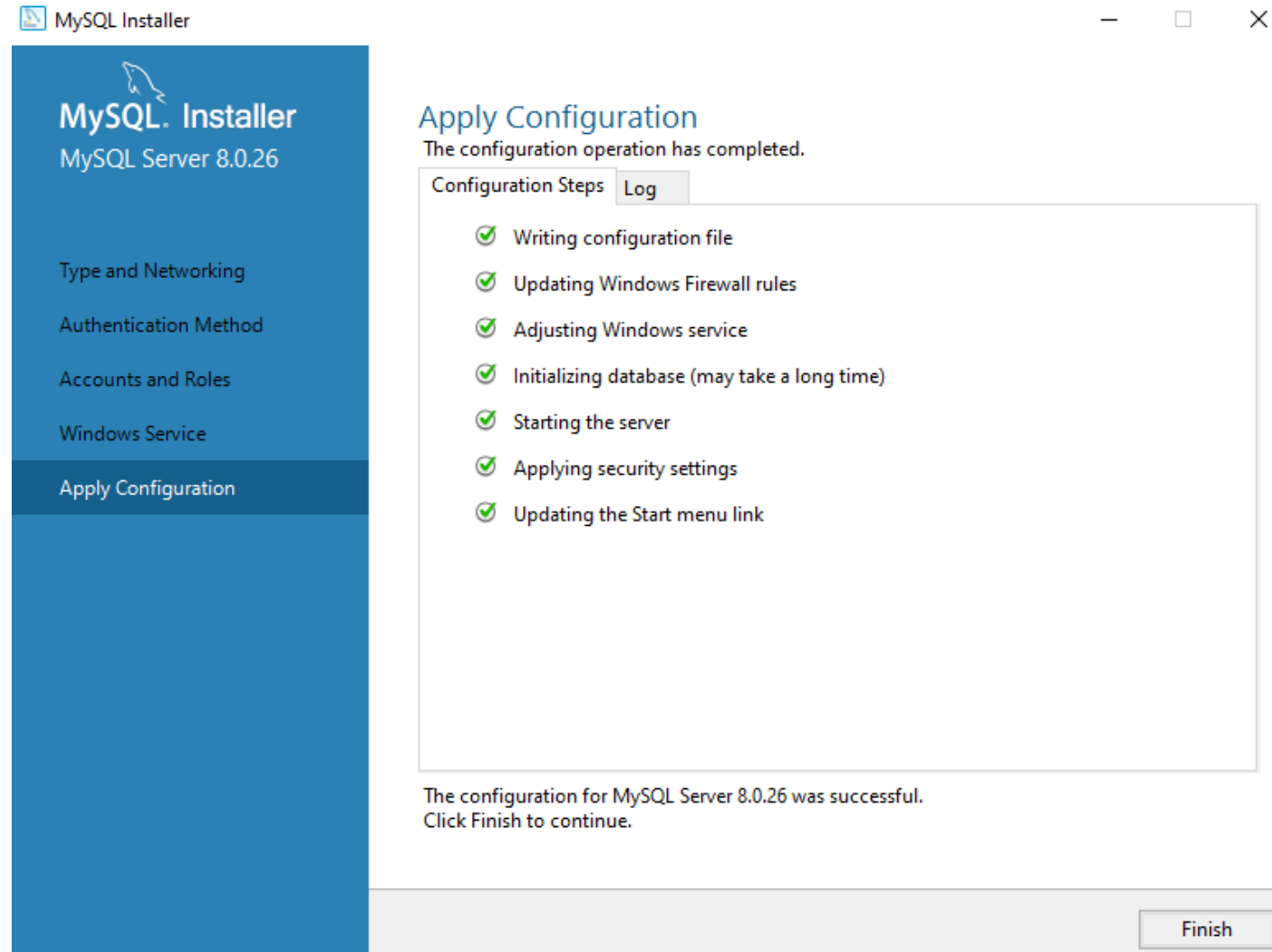
Installation

Select Execute



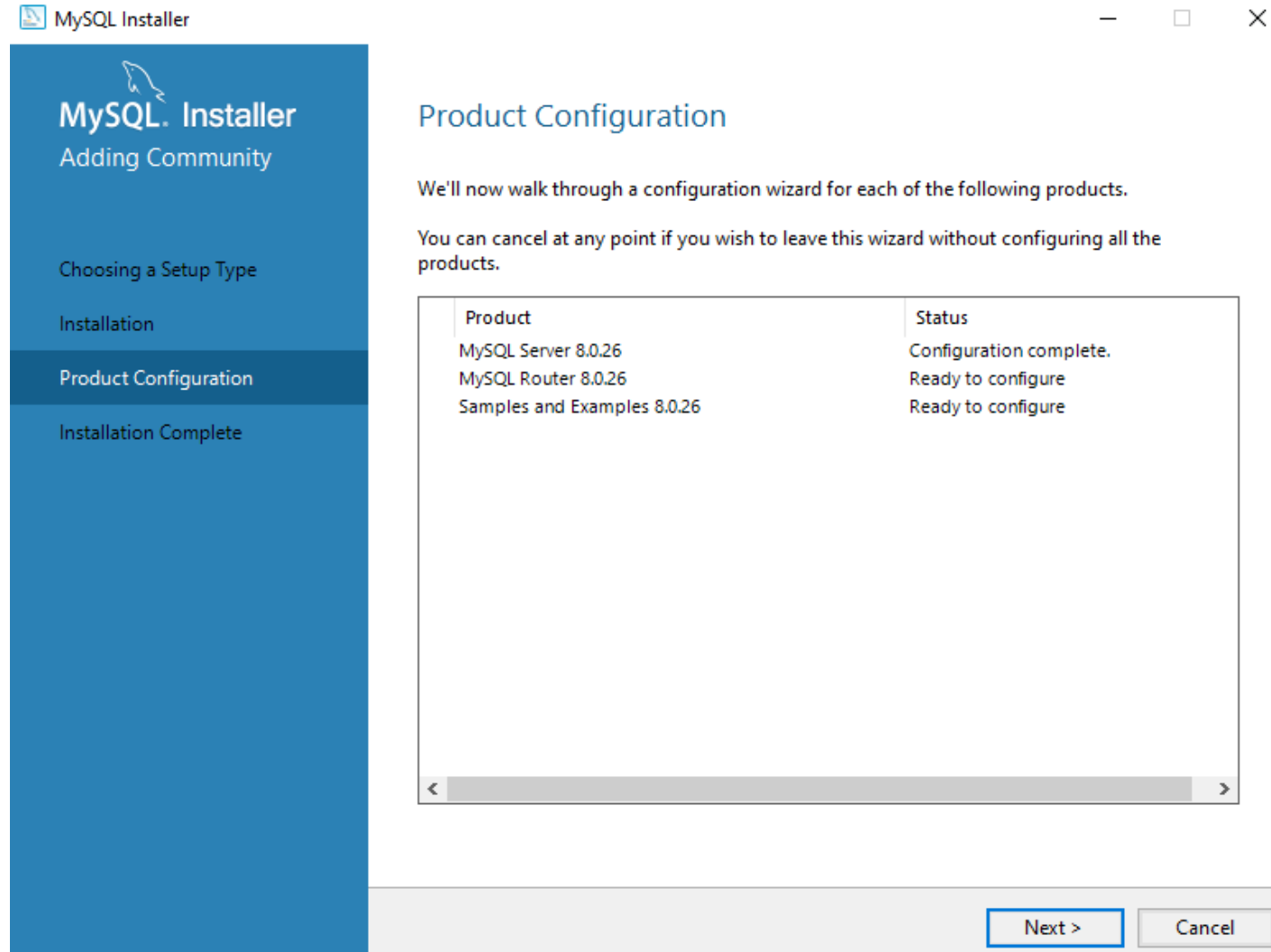
Installation

Select Finish



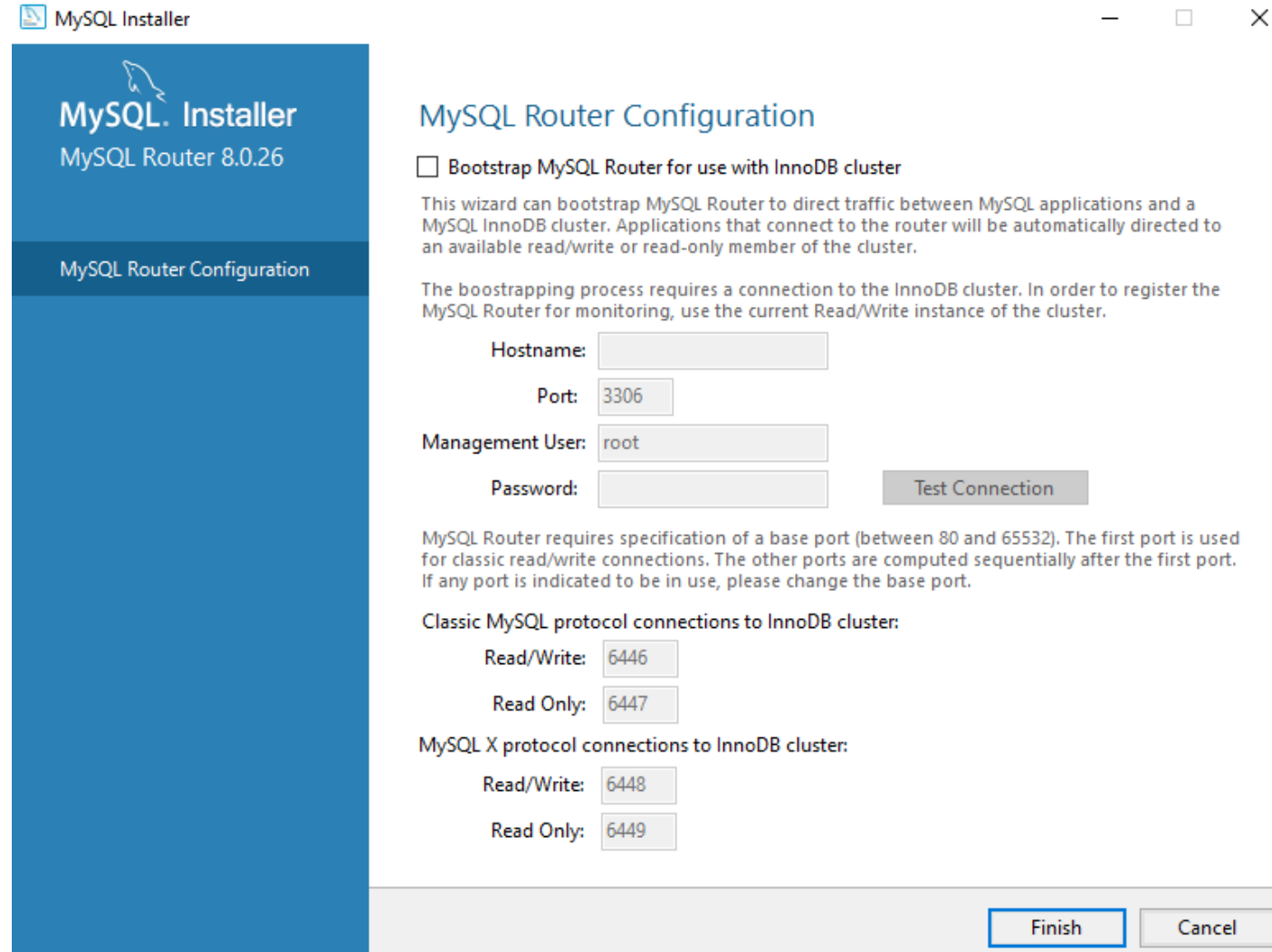
Installation

Select Next



Installation

Select Finish



MySQL Installer

MySQL Router 8.0.26

MySQL Router Configuration

☐ Bootstrap MySQL Router for use with InnoDB cluster

This wizard can bootstrap MySQL Router to direct traffic between MySQL applications and a MySQL InnoDB cluster. Applications that connect to the router will be automatically directed to an available read/write or read-only member of the cluster.

The bootstrapping process requires a connection to the InnoDB cluster. In order to register the MySQL Router for monitoring, use the current Read/Write instance of the cluster.

Hostname:

Port:

Management User:

Password:

MySQL Router requires specification of a base port (between 80 and 65532). The first port is used for classic read/write connections. The other ports are computed sequentially after the first port. If any port is indicated to be in use, please change the base port.

Classic MySQL protocol connections to InnoDB cluster:

Read/Write:

Read Only:

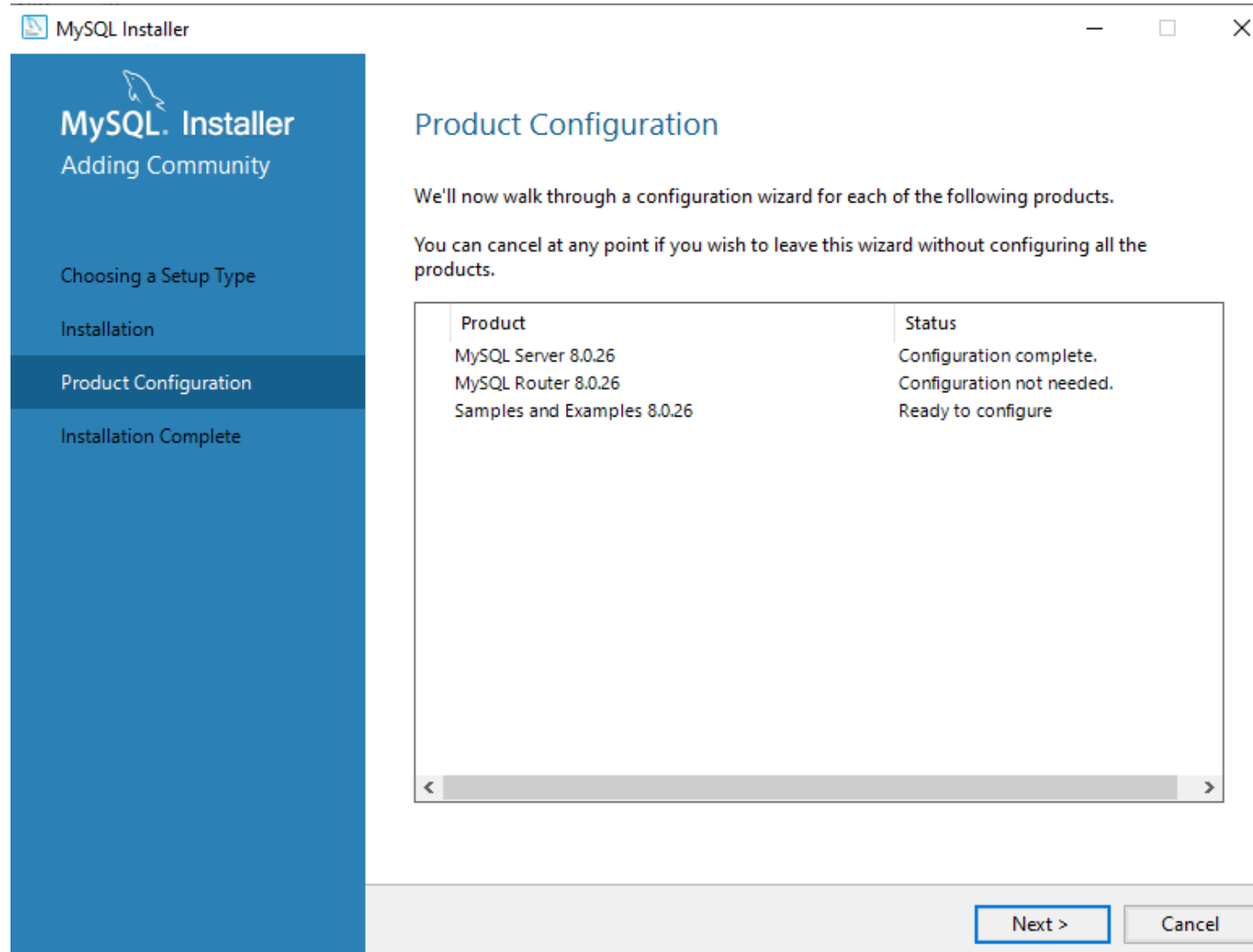
MySQL X protocol connections to InnoDB cluster:

Read/Write:

Read Only:

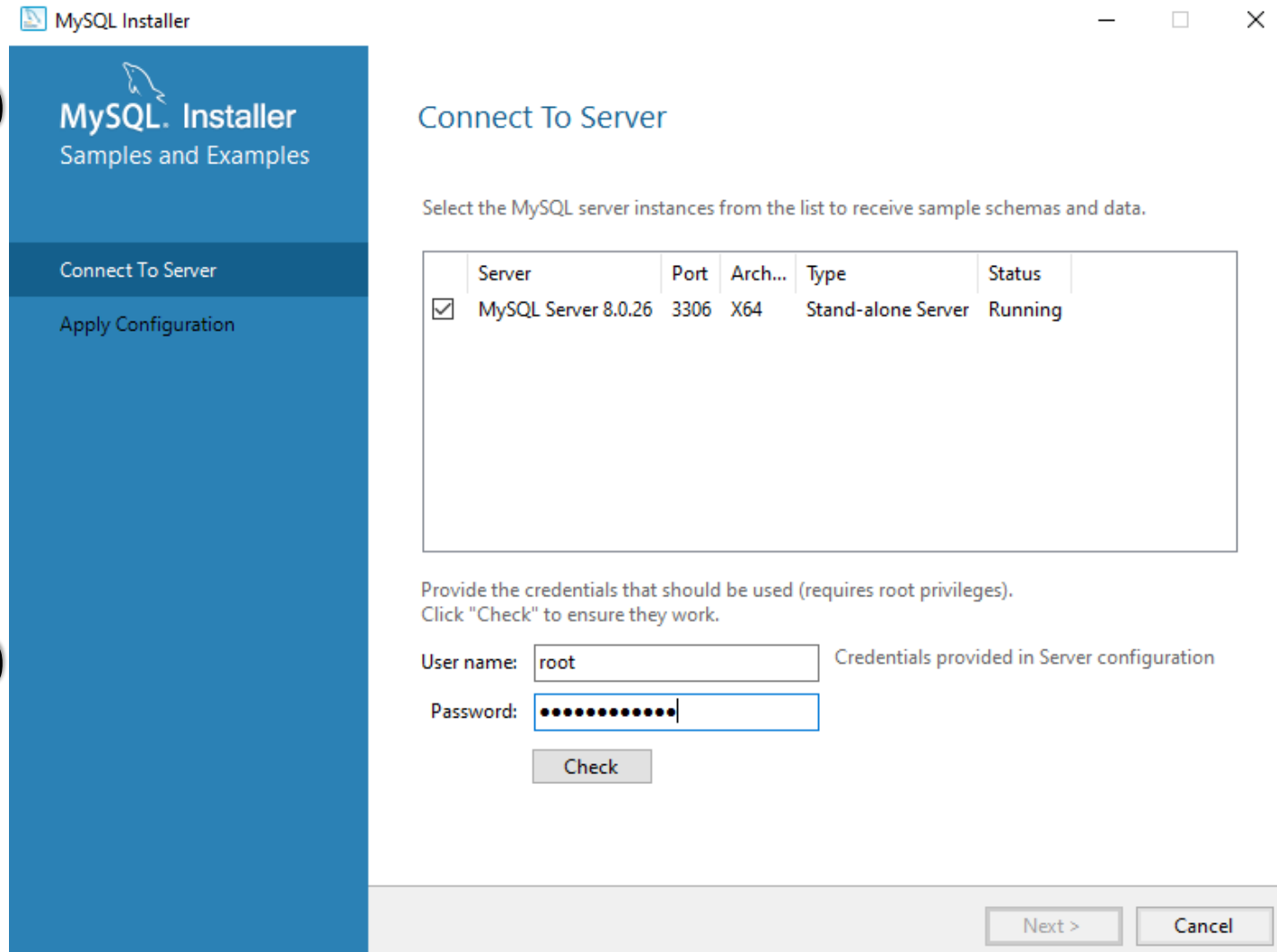
Installation

Select Next



Installation

Type the same
password you
already entered in
your Server
Configuration stage



The image shows the 'Connect To Server' window of the MySQL Installer. The window has a blue sidebar on the left with the MySQL logo and the text 'MySQL. Installer Samples and Examples'. The sidebar contains two buttons: 'Connect To Server' (highlighted) and 'Apply Configuration'. The main area of the window is titled 'Connect To Server' and contains the following text: 'Select the MySQL server instances from the list to receive sample schemas and data.' Below this text is a table with the following columns: 'Server', 'Port', 'Arch...', 'Type', and 'Status'. There is one row in the table with a checked checkbox in the first column, and the values 'MySQL Server 8.0.26', '3306', 'X64', 'Stand-alone Server', and 'Running'. Below the table, there is a text box with the text: 'Provide the credentials that should be used (requires root privileges). Click "Check" to ensure they work.' Below this text box are two input fields: 'User name:' with the value 'root' and 'Password:' with a masked password (represented by dots). To the right of the 'User name' field is the text 'Credentials provided in Server configuration'. Below the input fields is a 'Check' button. At the bottom right of the window are two buttons: 'Next >' and 'Cancel'.

MySQL Installer

MySQL. Installer
Samples and Examples

Connect To Server

Apply Configuration

Connect To Server

Select the MySQL server instances from the list to receive sample schemas and data.

	Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/>	MySQL Server 8.0.26	3306	X64	Stand-alone Server	Running

Provide the credentials that should be used (requires root privileges).
Click "Check" to ensure they work.

User name: Credentials provided in Server configuration

Password:

Check

Next > Cancel

Installation

Select Check and
then Next

MySQL Installer

MySQL. Installer
Samples and Examples

Connect To Server

Apply Configuration

Connect To Server

Select the MySQL server instances from the list to receive sample schemas and data.

	Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/>	MySQL Server 8.0.26	3306	X64	Stand-alone Server	Connection succeeded.

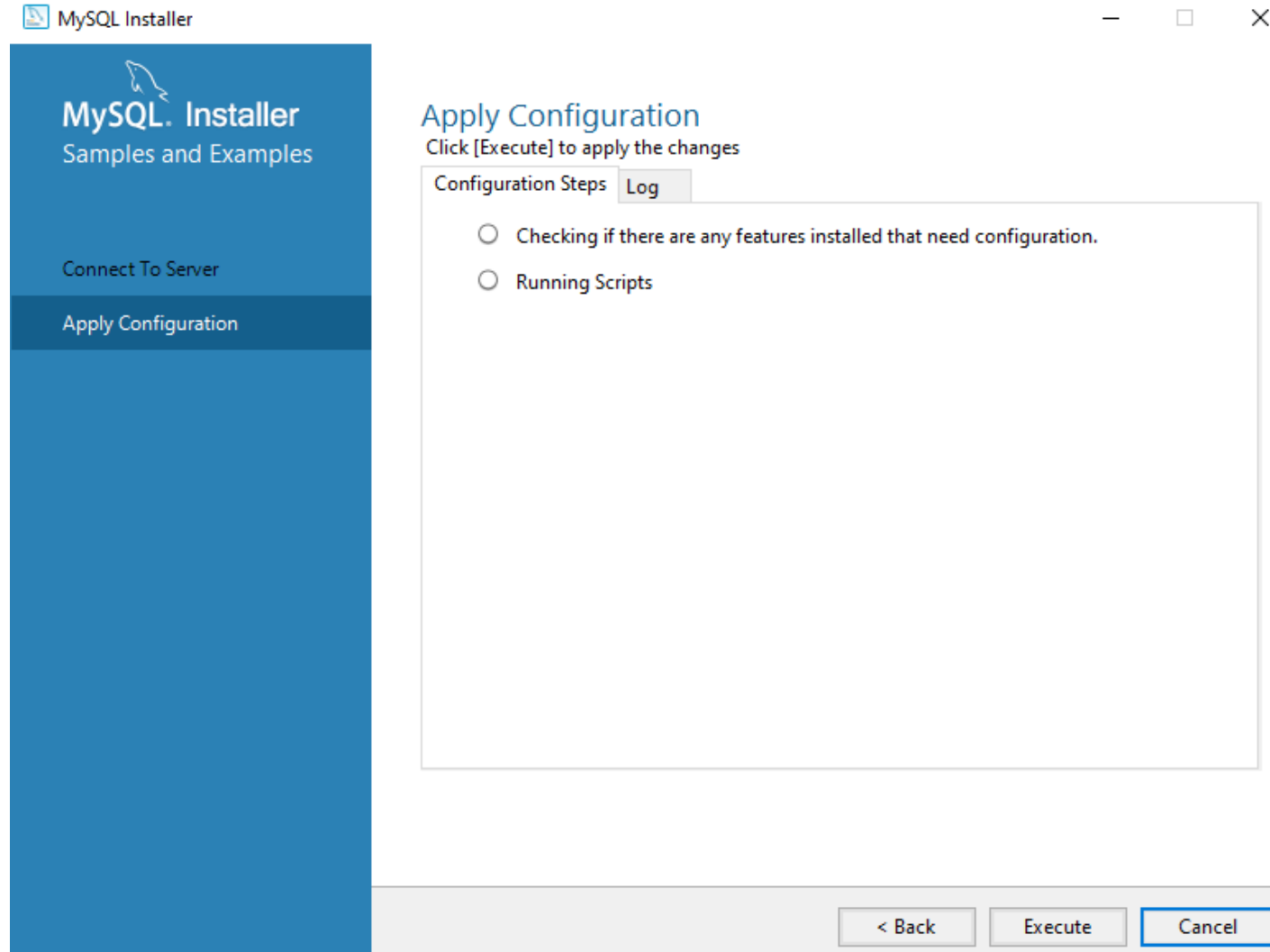
Provide the credentials that should be used (requires root privileges).
Click "Check" to ensure they work.

User name: Credentials provided in Server configuration

Password:

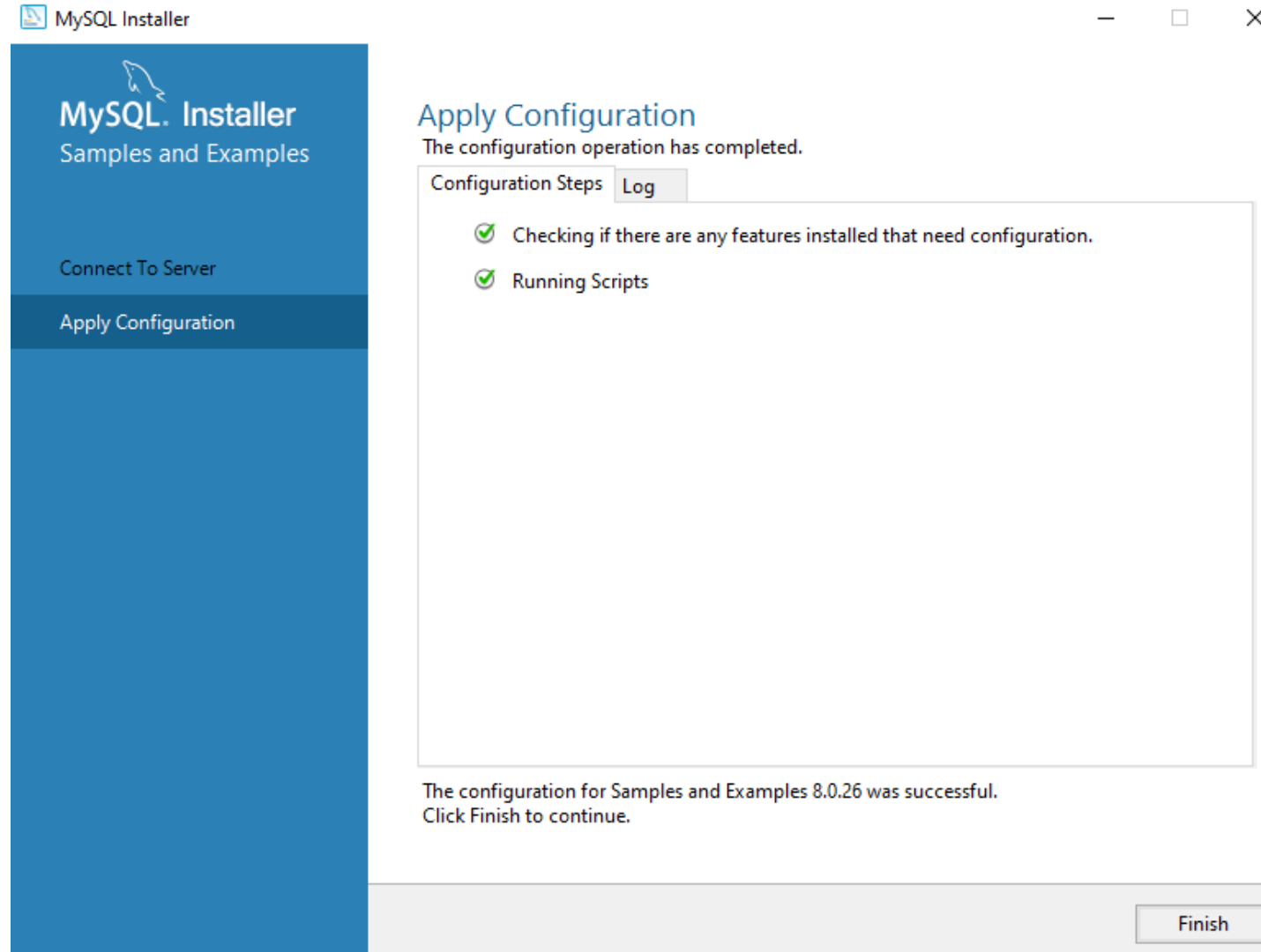
Installation

Select Execute



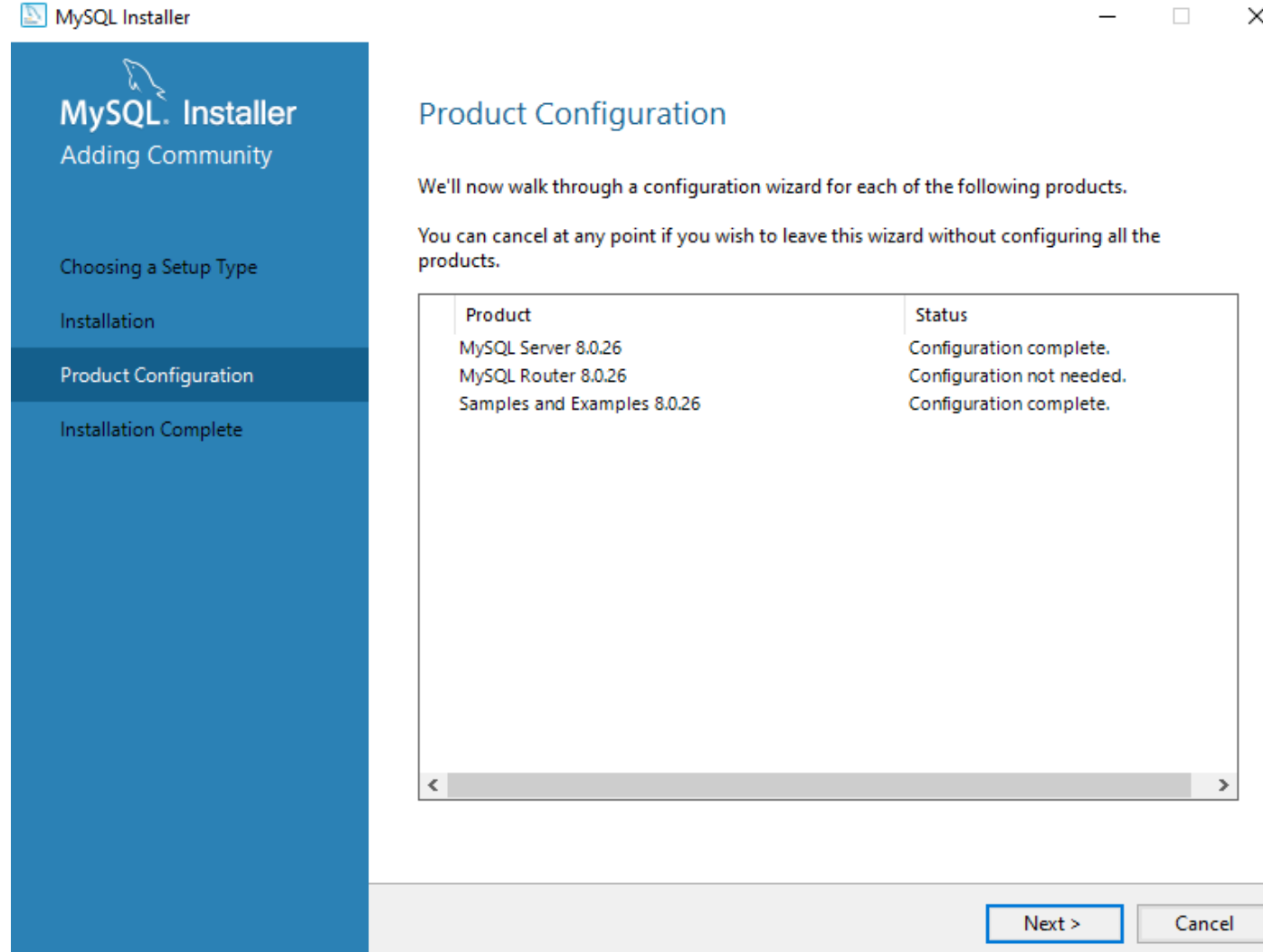
Installation

Select Finish



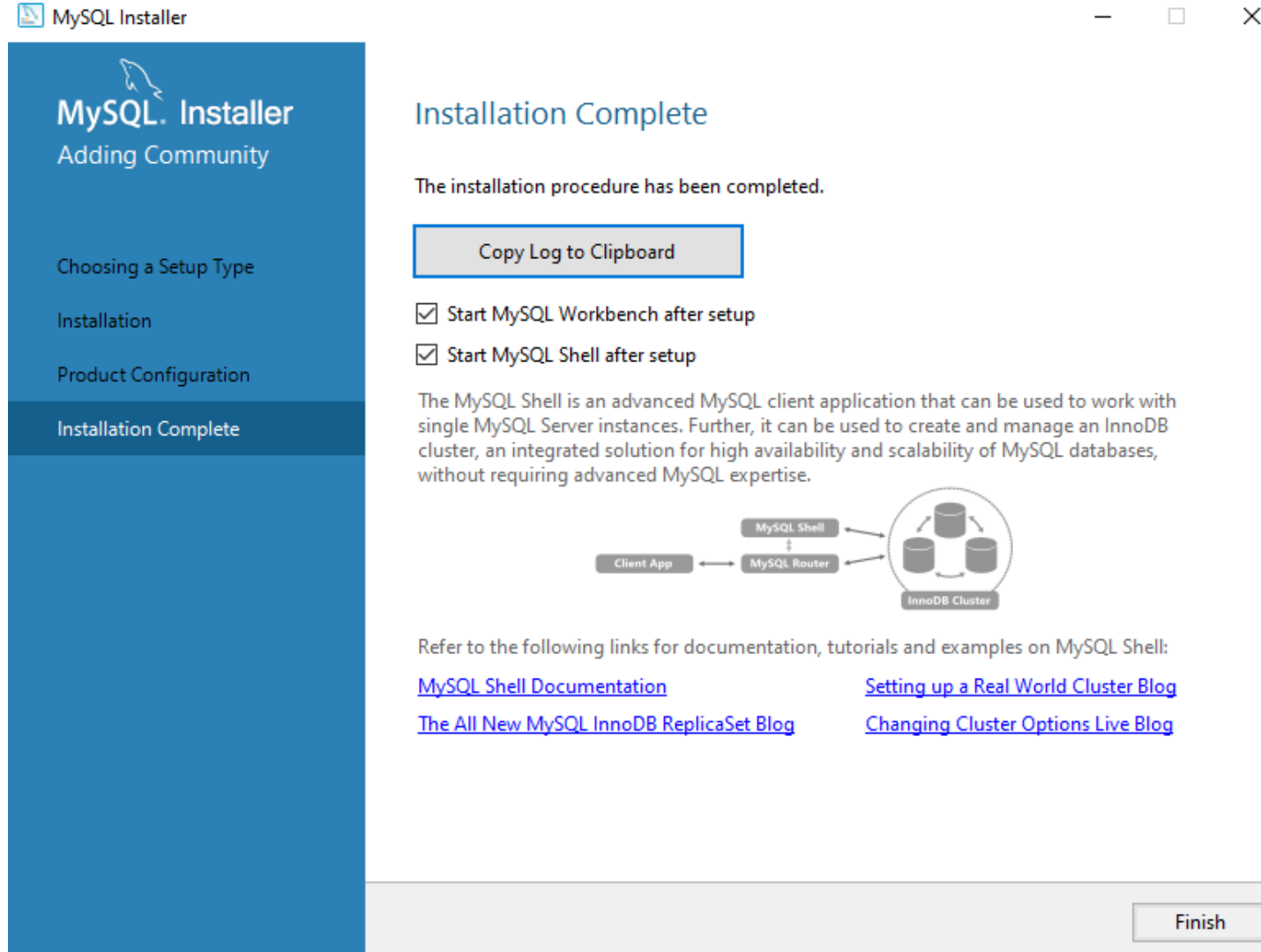
Installation

Select Next



Select Finish

Installation



Installation: View of Shell

 C:\Program Files\MySQL\MySQL Shell 8.0\bin\mysqlsh.exe

```
MySQL Shell 8.0.26
```

```
Copyright (c) 2016, 2021, Oracle and/or its affiliates.
```

```
Oracle is a registered trademark of Oracle Corporation and/or its affiliates.
```

```
Other names may be trademarks of their respective owners.
```

```
Type '\help' or '\?' for help; '\quit' to exit.
```

```
MySQL JS >
```

Installation: View of Workbench

