

# 2강

## MySQL 설치

### ver.8.0.44





## ➤ MySQL 설치 사이트

<https://www.mysql.com/downloads/>

The screenshot shows the MySQL Downloads page. At the top, there's a navigation bar with the MySQL logo, a search bar, and links for Contact MySQL, Login, and Register. Below the navigation is a social media sharing bar with icons for Facebook, Twitter, LinkedIn, and Email.

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Download the new MySQL Shell for VS Code and MySQL Workbench.

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MySQL Innovation and Cloud Day  
Tuesday, April 04, 2023

Migrate from On-Premises MySQL database to MySQL HeatWave on OCI or AWS  
Thursday, April 06, 2023

MySQL HeatWave – Replication: A Technical ‘Run Through’ in the Cloud  
Thursday, April 13, 2023

[More »](#)

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- MySQL Cluster Manager
- Plus, everything In MySQL Enterprise Edition

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[Trial Download »](#)

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**MySQL Community (GPL) Downloads**

→ 클릭



## ④ MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository
- MySQL Community Server
- MySQL 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

클릭



## ① MySQL Community Downloads

< MySQL Installer

General Availability (GA) Releases Archives ⓘ

### MySQL Installer 8.0.32

Select Operating System: Microsoft Windows

Looking for previous GA versions?

Installer Type	Version	File Size	Action
Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.32.0.msi)	8.0.32	2.4M	<b>Download</b>
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.32.0.msi)	8.0.32	437.3M	<b>Download</b>

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

클릭



## 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
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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.](#)

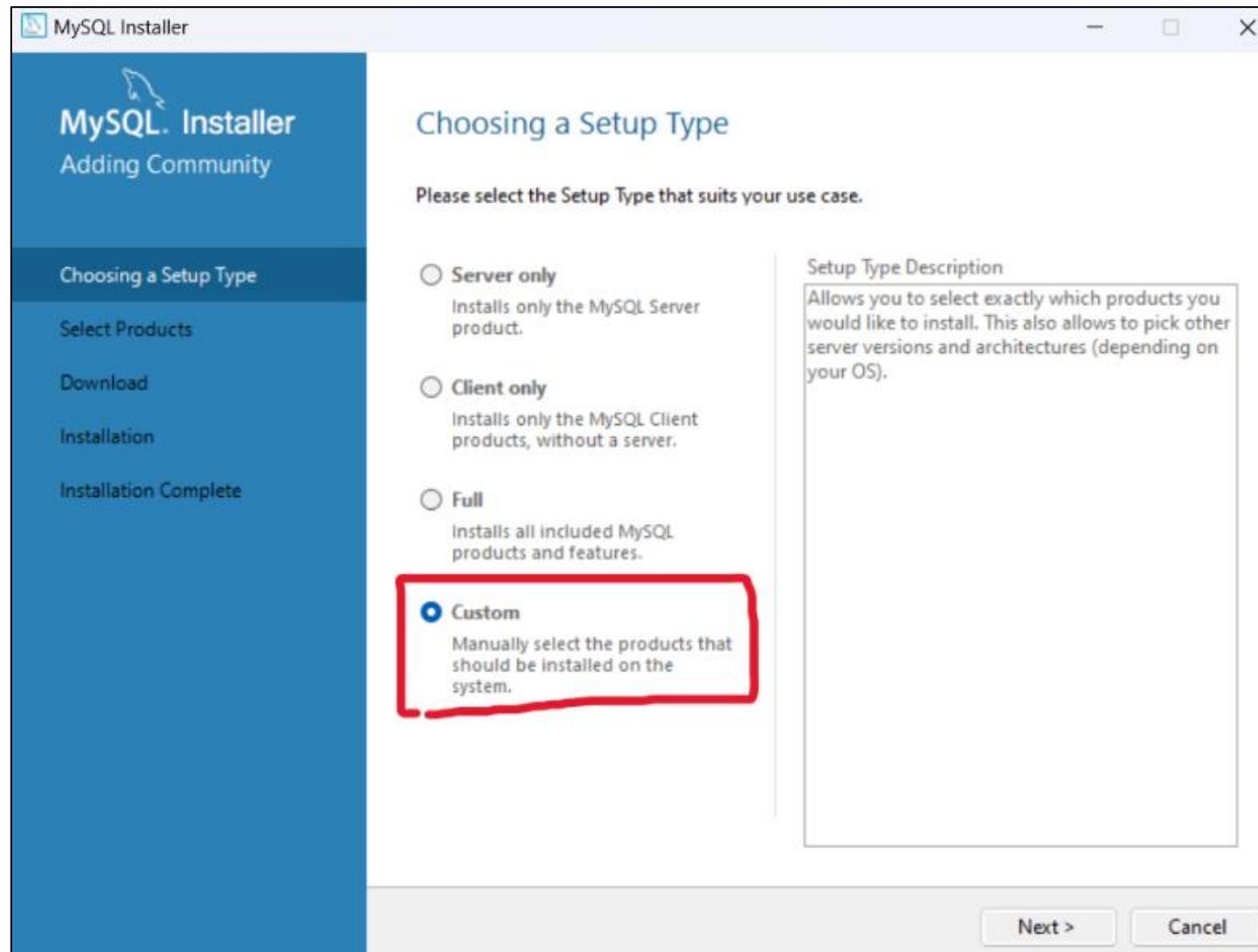
→ 클릭하면 다운  
로드 실행 됨



# MySQL 설치 하기



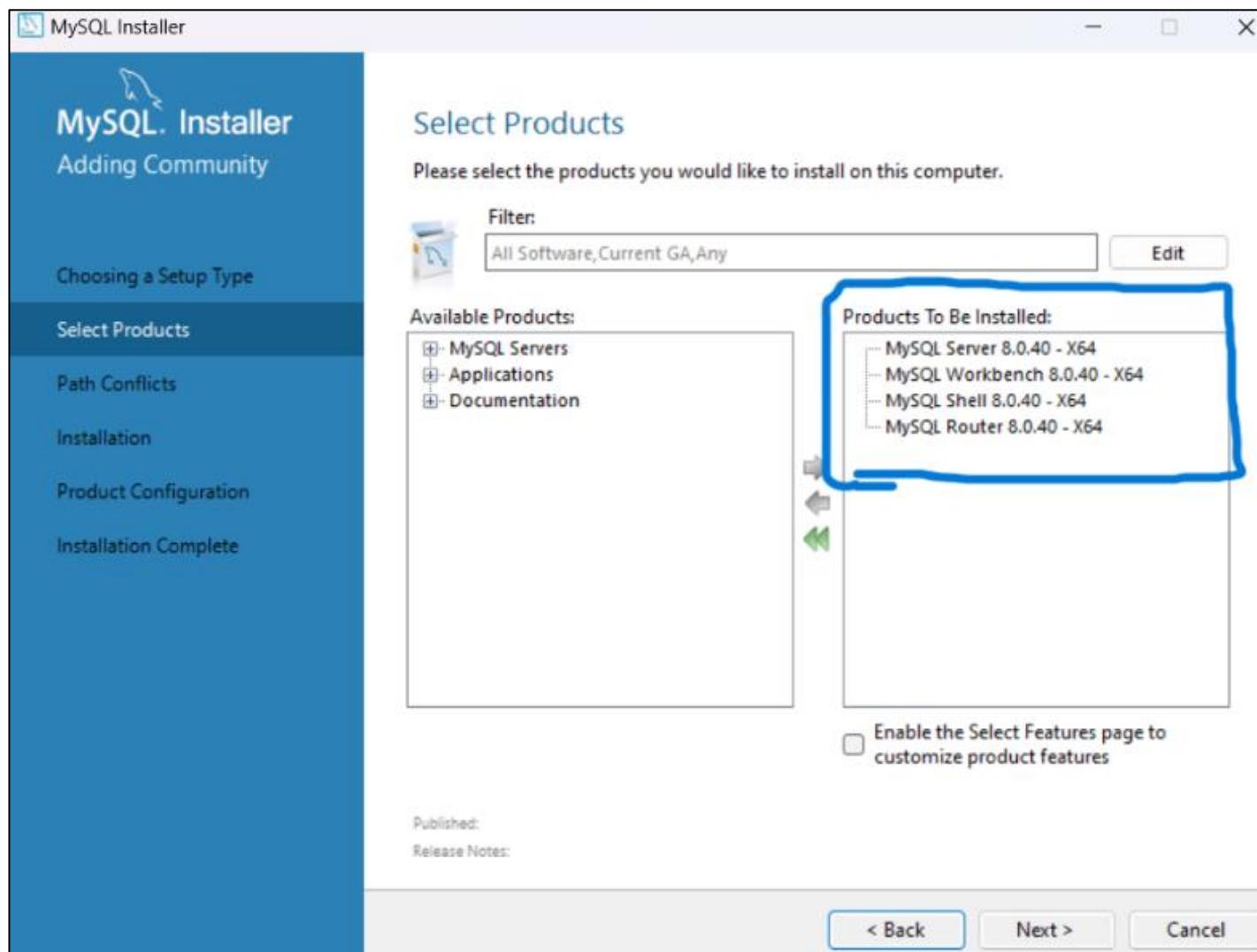
1. MySQL Installer 실행 후 설치 유형 선택 화면에서 Custom 옵션을 선택합니다. 이후 "Next" 버튼을 클릭합니다.



## MySQL 설치 하기



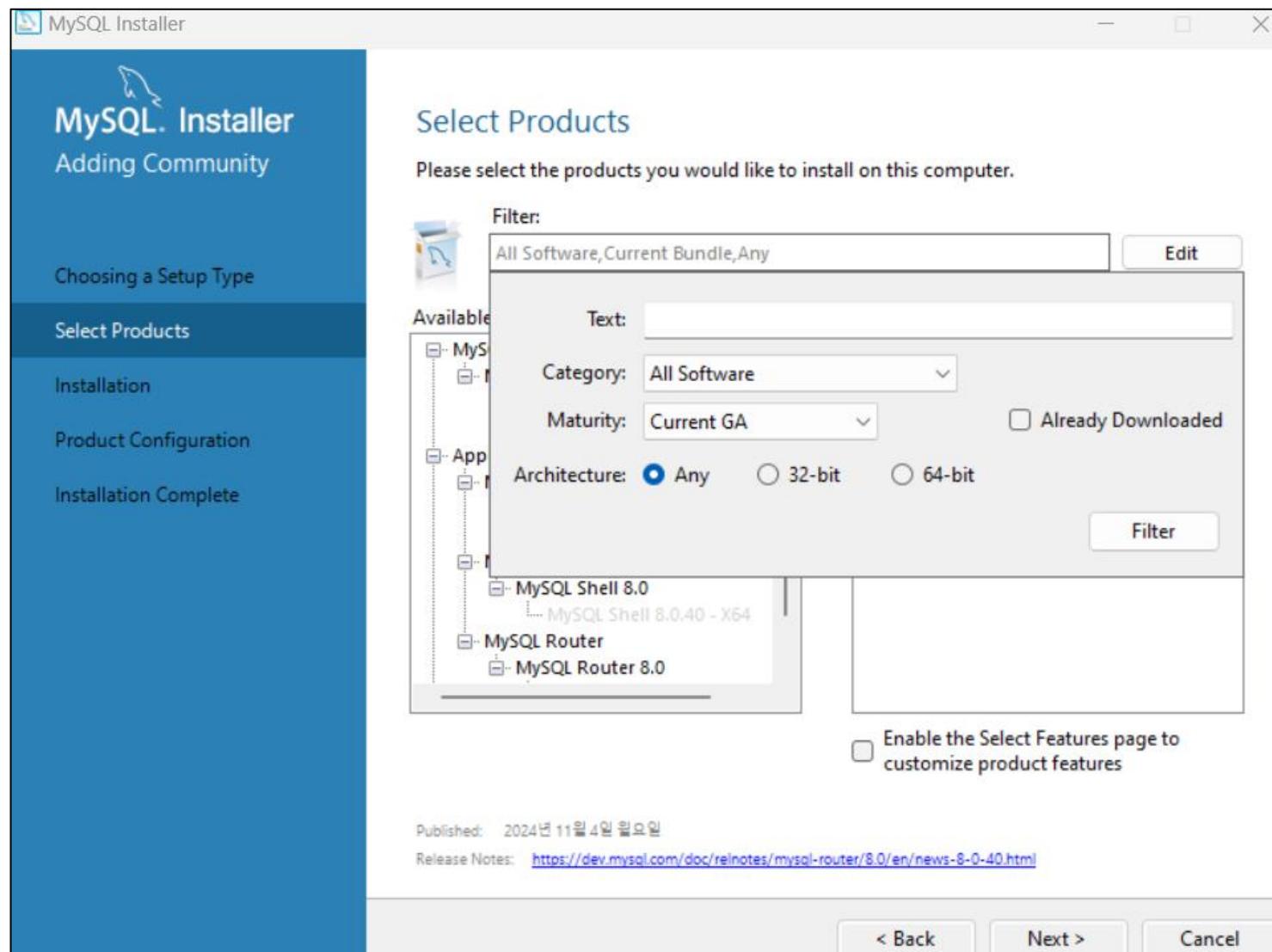
2-1. 이제 설치할 제품 목록이 표시됩니다. 여기서 MySQL Server와 MySQL Workbench, MySQL Shell, MySQL Router와 같은 필요한 구성 요소를 선택한다.



# MySQL 설치 하기

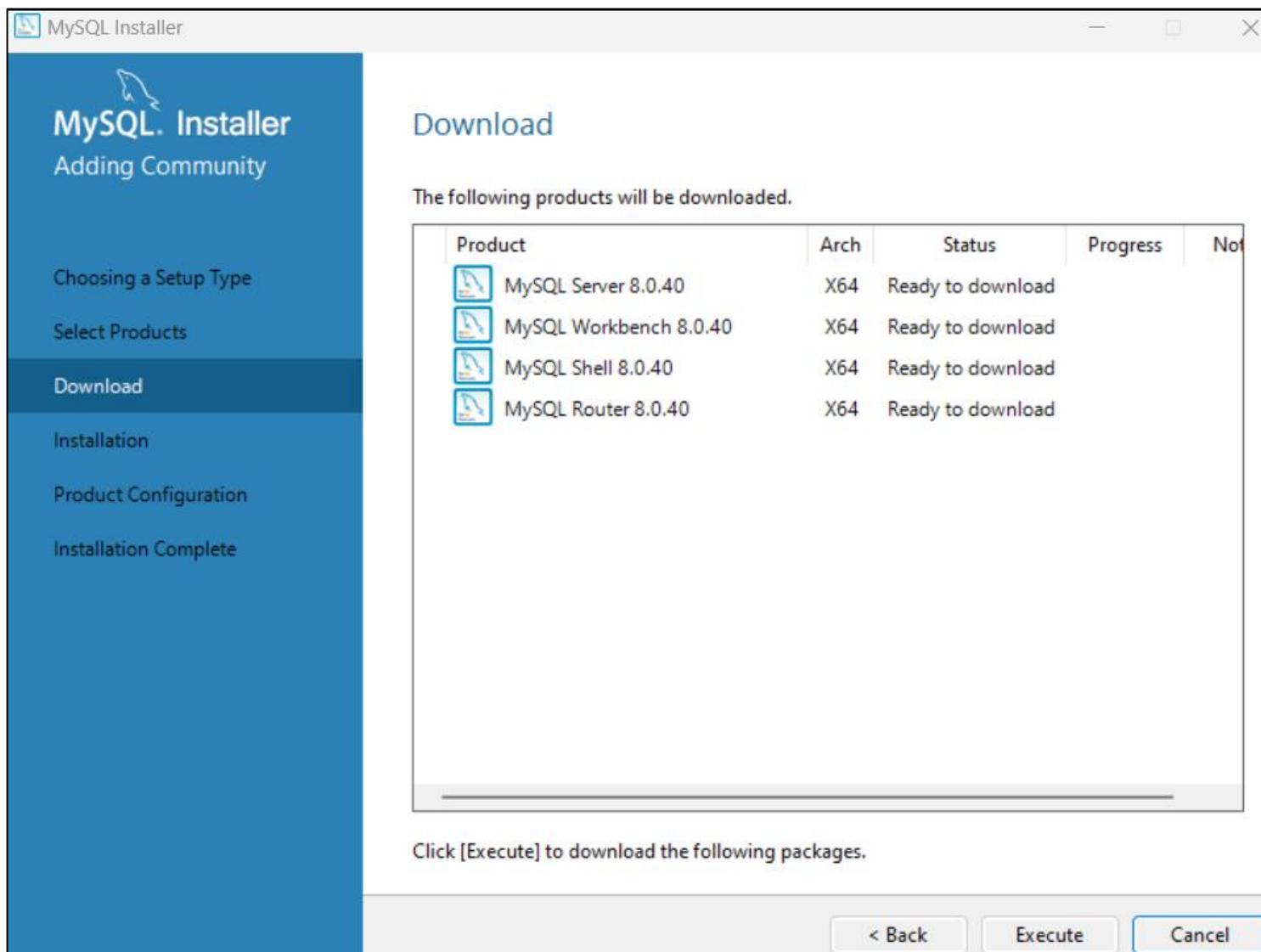


2-2. Filter 을 All Software Current GA 로 선택한다.



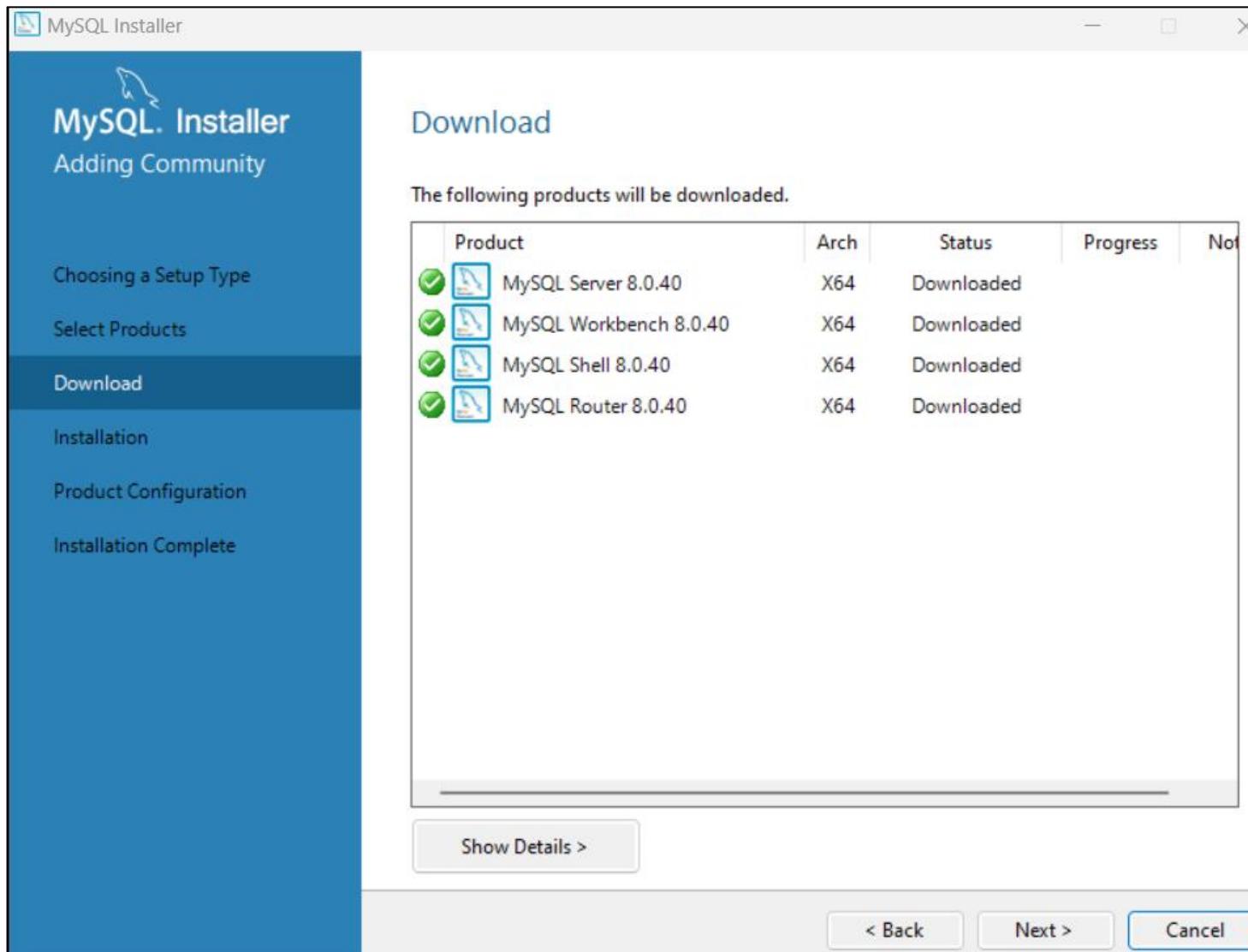


3. 기존의 MySQL 폴더가 존재하지 않는 경우 아래 화면처럼 출력된다.



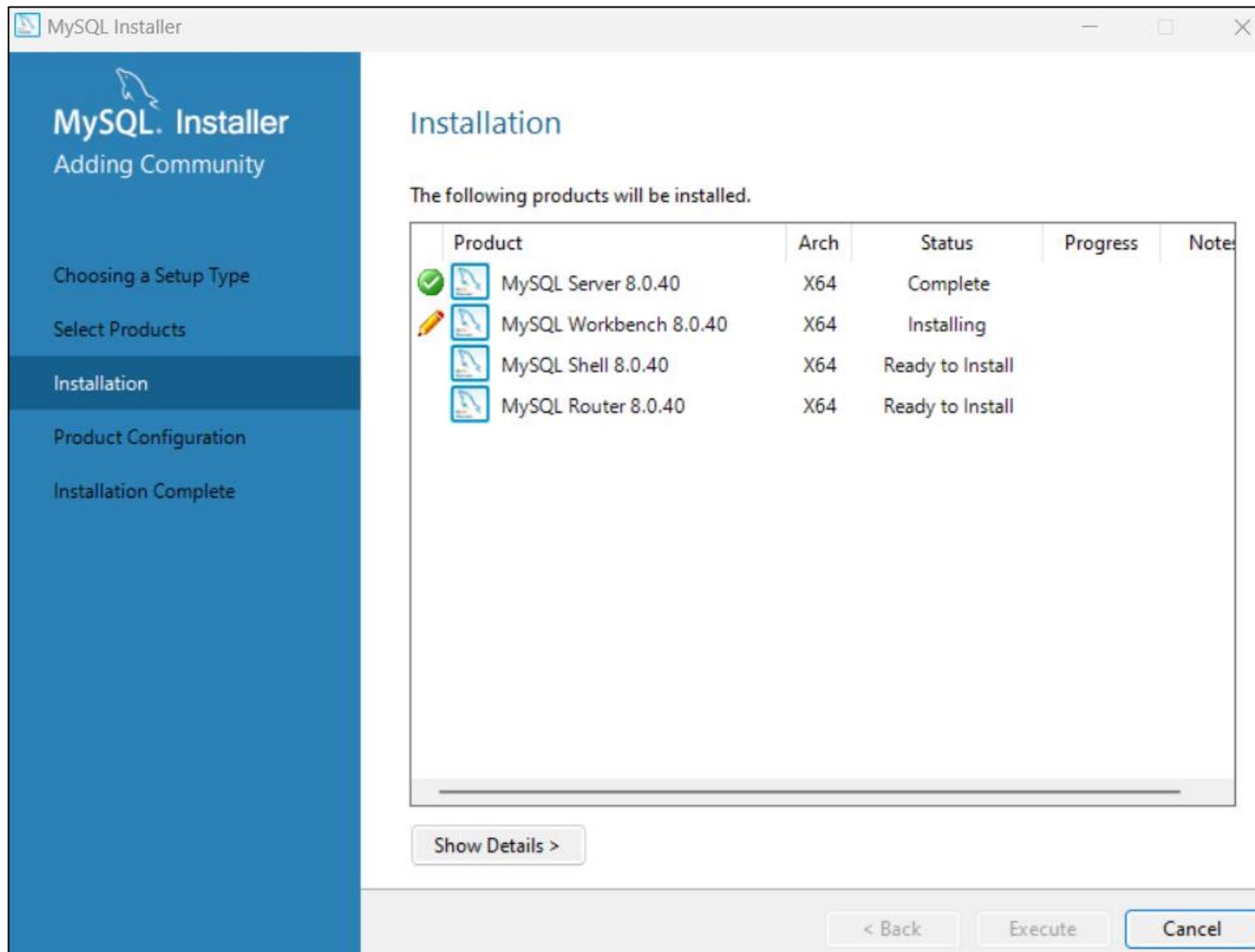


3. 기존의 MySQL 폴더가 존재하지 않는 경우 아래 화면처럼 출력된다.



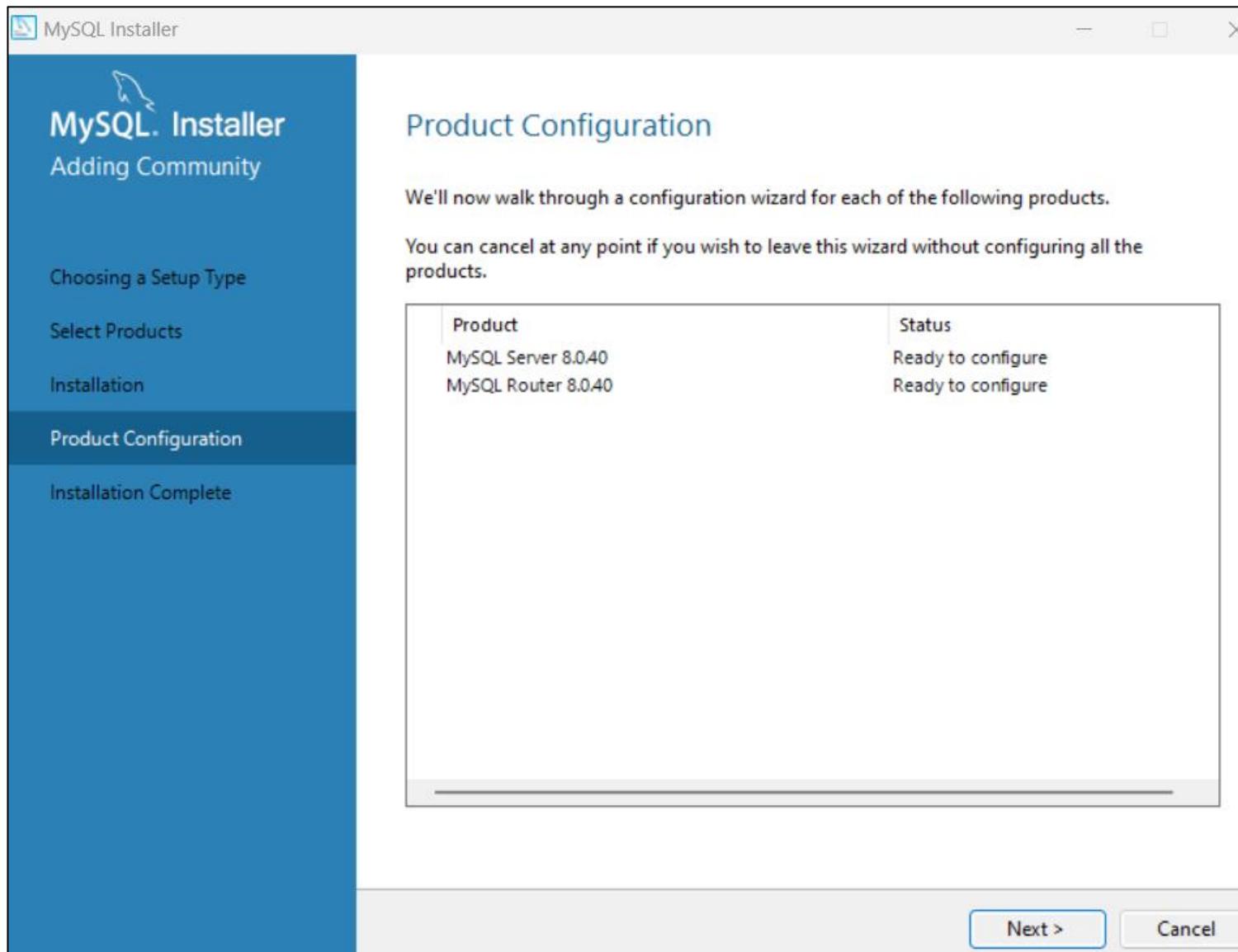


3. 기존의 MySQL 폴더가 존재하지 않는 경우 아래 화면처럼 출력된다.





3. 기존의 MySQL 폴더가 존재하지 않는 경우 아래 화면처럼 출력된다.

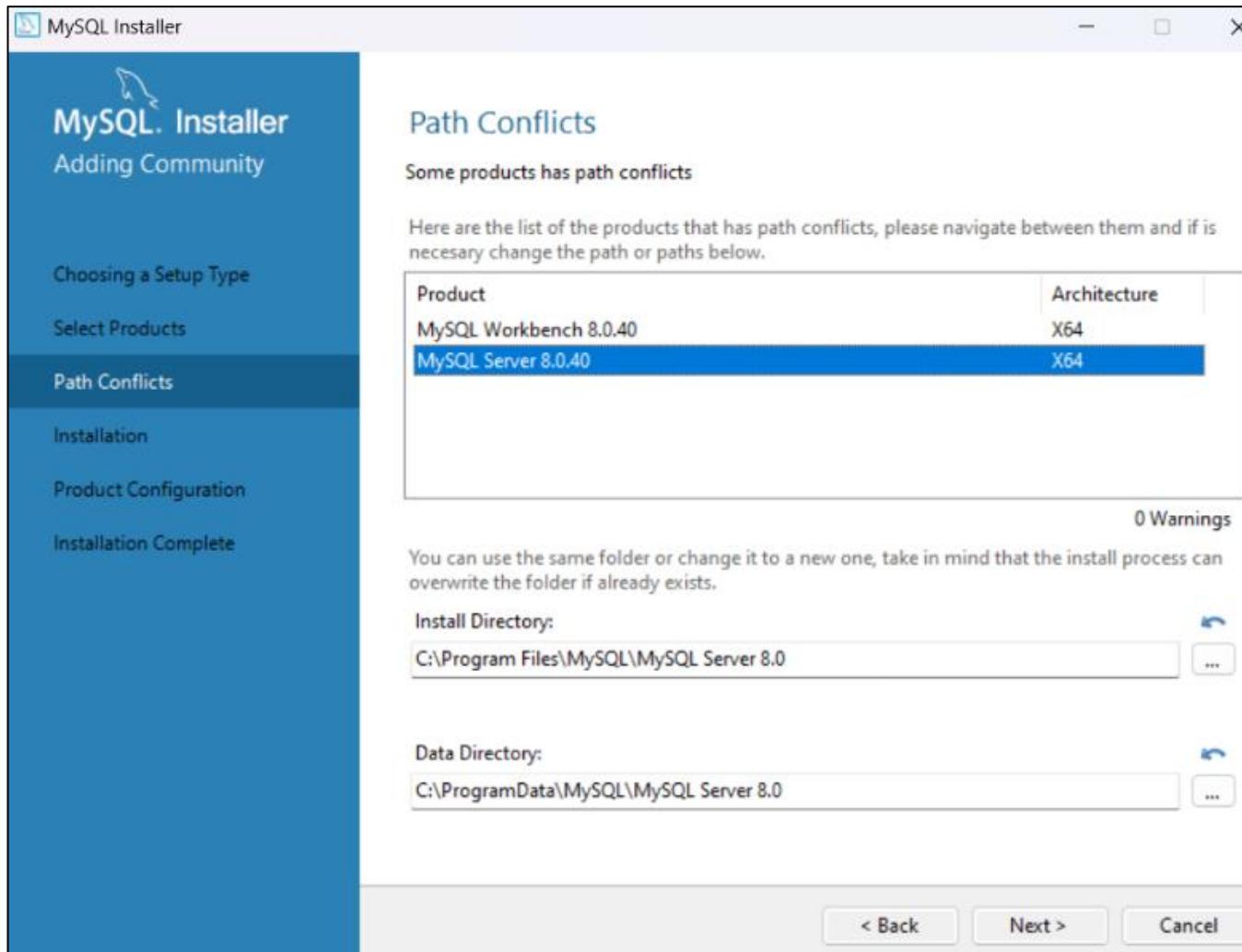


# MySQL 설치 하기



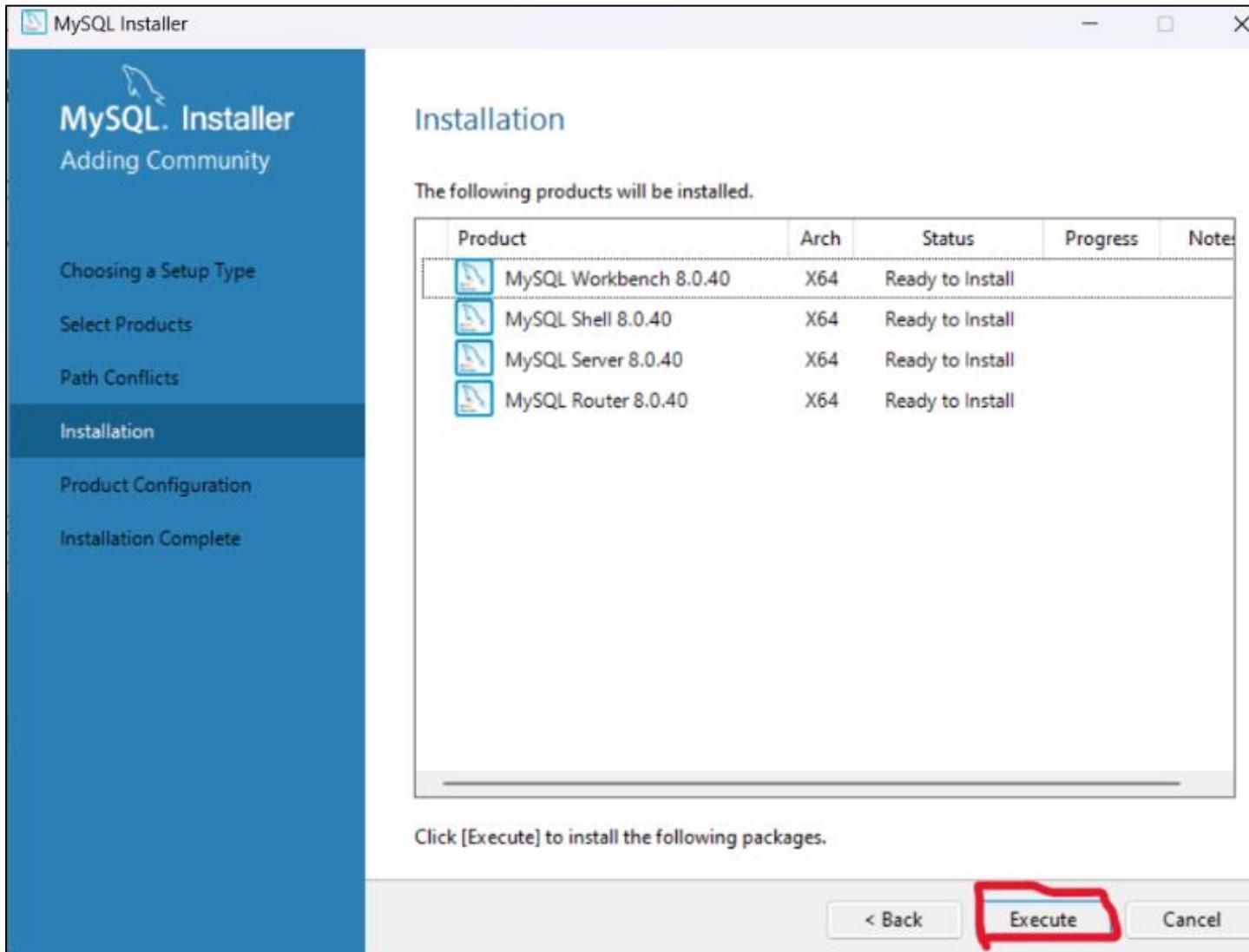
※ 기존의 MySQL 폴더가 존재하면 아래처럼 각 항목의 설치 경로와 설정이 화면에 나타난다.

이런 경우 MySQL폴더를 모두 찾아 삭제하고 다시 설치하면 아래 4번과 같은 화면이 출력된다.





4. 모든 제품을 선택하고 설정을 완료했으면, 마지막 단계에서 설치를 진행합니다. Execute 버튼을 클릭하여 선택한 구성 요소를 설치합니다.

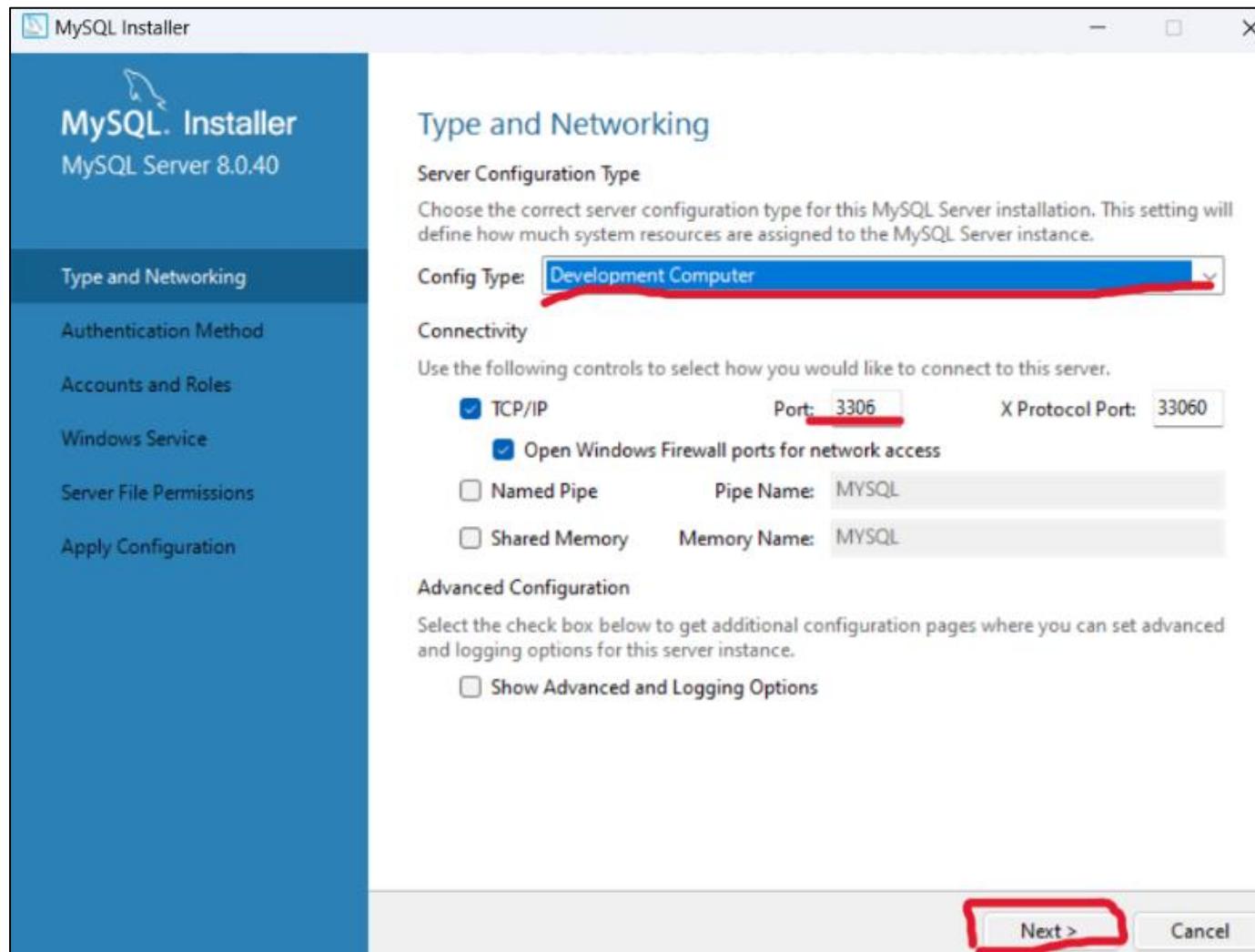




## 5. Type and Networking 설정

Config Type : Development Computer

Port : 3306





## 6. Authentication Method 설정

Use Strong Password Encryption for Authentication (RECOMMENDED)

**MySQL Installer**

MySQL. Installer  
MySQL Server 8.0.40

Type and Networking

**Authentication Method**

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

### Authentication Method

Use Strong Password Encryption for Authentication (RECOMMENDED)

MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods. It is recommended that all new MySQL Server installations use this method going forward.

 Attention: This new authentication plugin on the server side requires new versions of connectors and clients which add support for this new 8.0 default authentication (caching\_sha2\_password authentication).

Currently MySQL 8.0 Connectors and community drivers which use libmysqlclient 8.0 support this new method. If clients and applications cannot be updated to support this new authentication method, the MySQL 8.0 Server can be configured to use the legacy MySQL Authentication Method below.

Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)

Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:

- If applications cannot be updated to use MySQL 8 enabled Connectors and drivers.
- For cases where re-compilation of an existing application is not feasible.
- An updated, language specific connector or driver is not yet available.

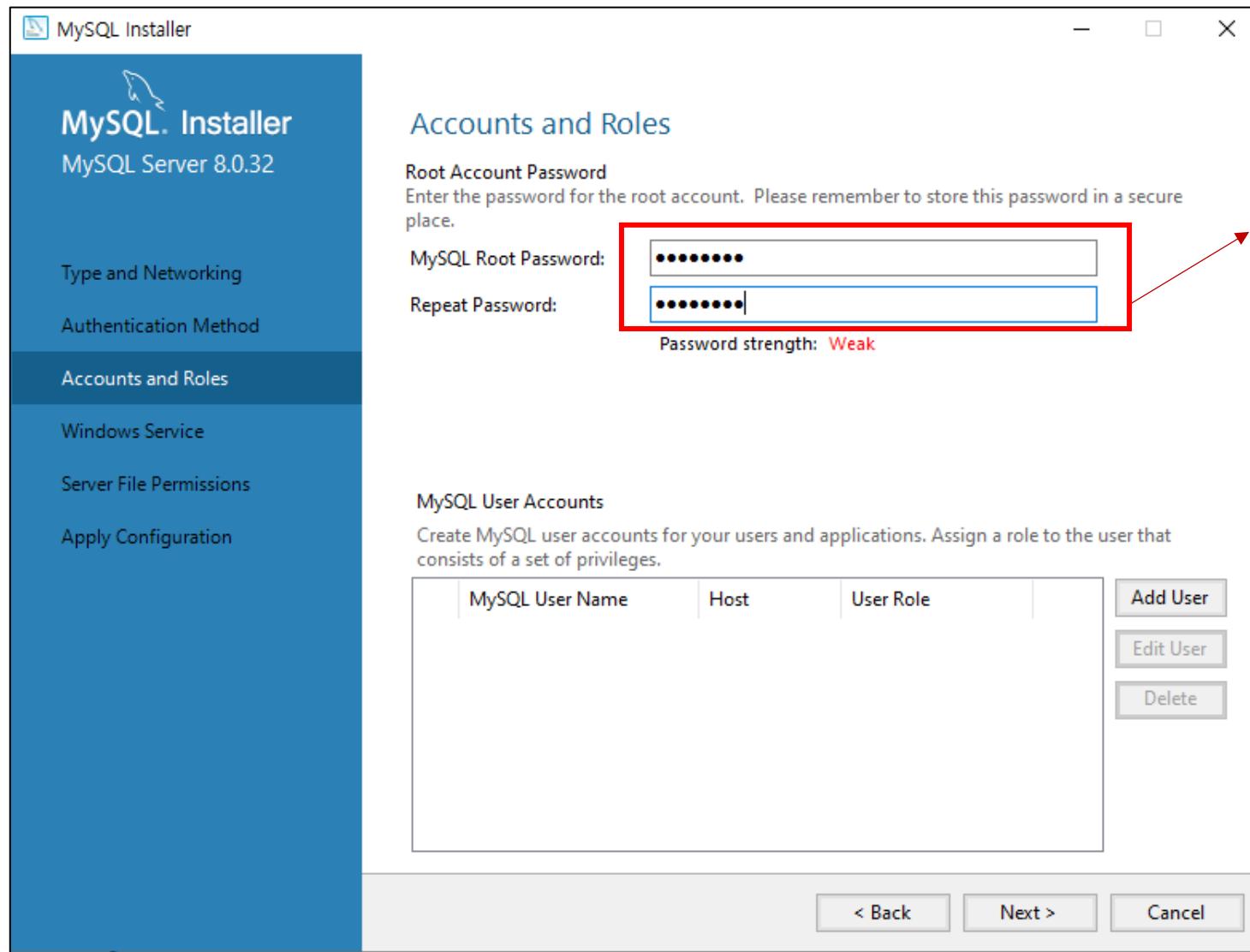
Security Guidance: When possible, we highly recommend taking needed steps towards upgrading your applications, libraries, and database servers to the new stronger authentication. This new method will significantly improve your security.

< Back    Next >    Cancel

# MySQL 설치 하기



7. Accounts and Roles 에서 패스워드 지정!



비밀번호 입력 :  
12345678



## 8. Windows Service 설정

MySQL Installer  
MySQL Server 8.0.40

Type and Networking  
Authentication Method  
Accounts and Roles  
**Windows Service**  
Server File Permissions  
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.

< Back    Next >    Cancel



## 9. Server File Permissions 설정

MySQL Installer  
MySQL Server 8.0.40

Type and Networking  
Authentication Method  
Accounts and Roles  
Windows Service  
**Server File Permissions**  
Apply Configuration

### Server File Permissions

MySQL Installer can secure the server's data directory by updating the permissions of files and folders located at:  
C:\ProgramData\MySQL\MySQL Server 8.0\Data

Do you want MySQL Installer to update the server file permissions for you?

Yes, grant full access to the user running the Windows Service (if applicable) and the administrators group only. Other users and groups will not have access.

Yes, but let me review and configure the level of access.

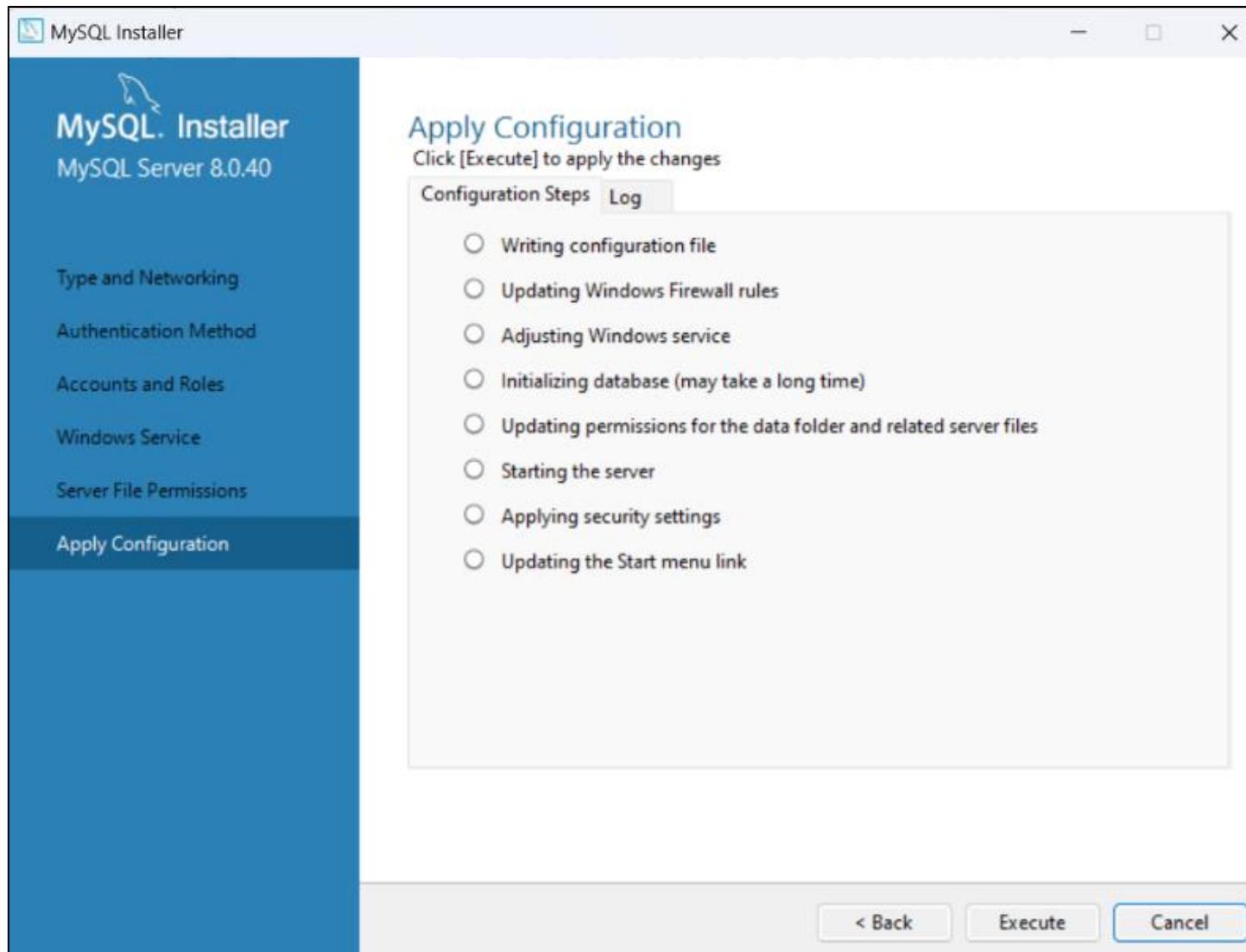
No, I will manage the permissions after the server configuration.

< Back    Next >    Cancel



## 10. Apply Configuration 설정

Excute 클릭 -> 모든 설치 완료 후 Finish 클릭





MySQL Installer

## MySQL. Installer

MySQL Server 8.0.40

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

### Apply Configuration

The configuration operation has completed.

Configuration Steps Log

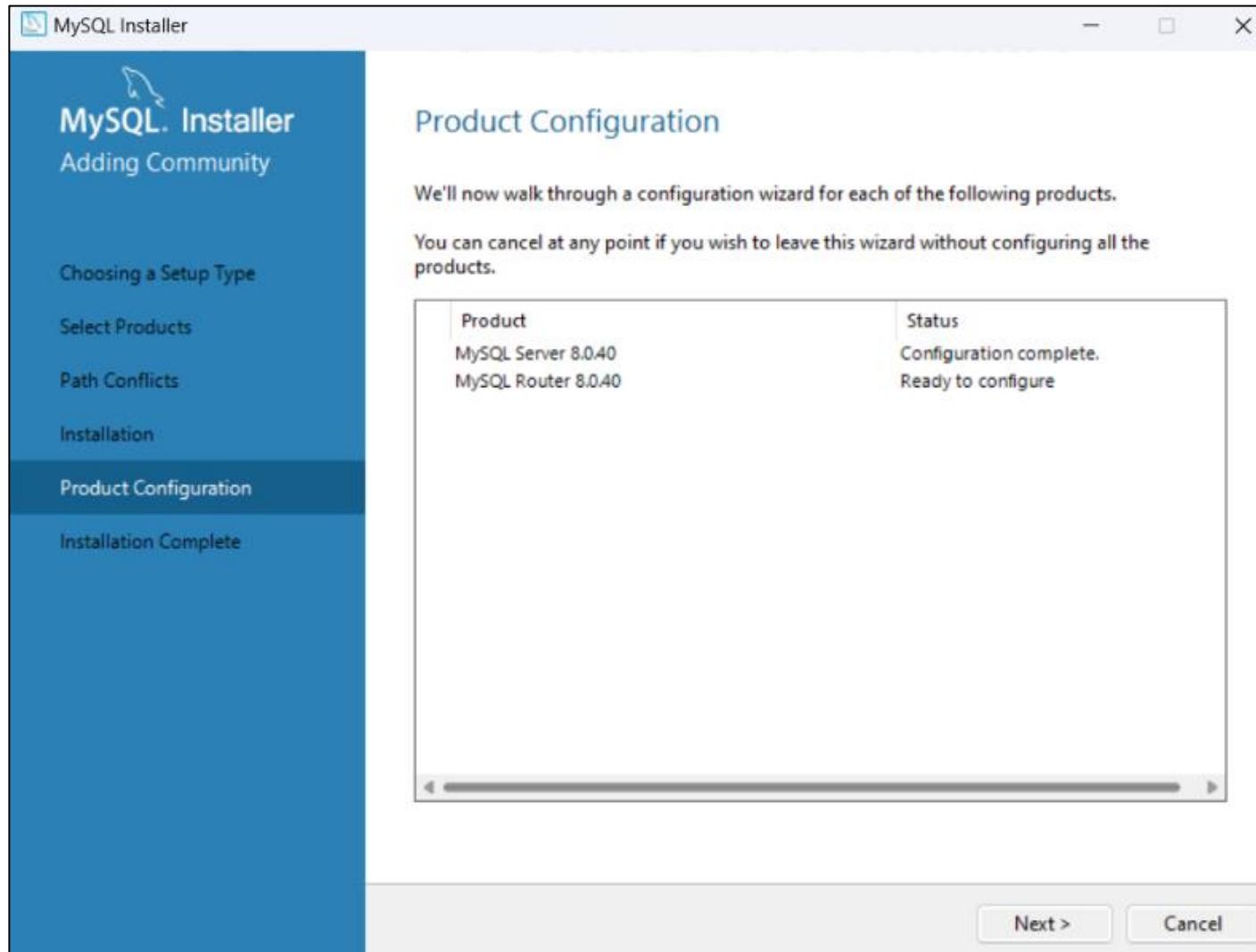
- Writing configuration file
- Updating Windows Firewall rules
- Adjusting Windows service
- Initializing database (may take a long time)
- Updating permissions for the data folder and related server files
- Starting the server
- Applying security settings
- Updating the Start menu link

The configuration for MySQL Server 8.0.40 was successful.  
Click Finish to continue.

Finish

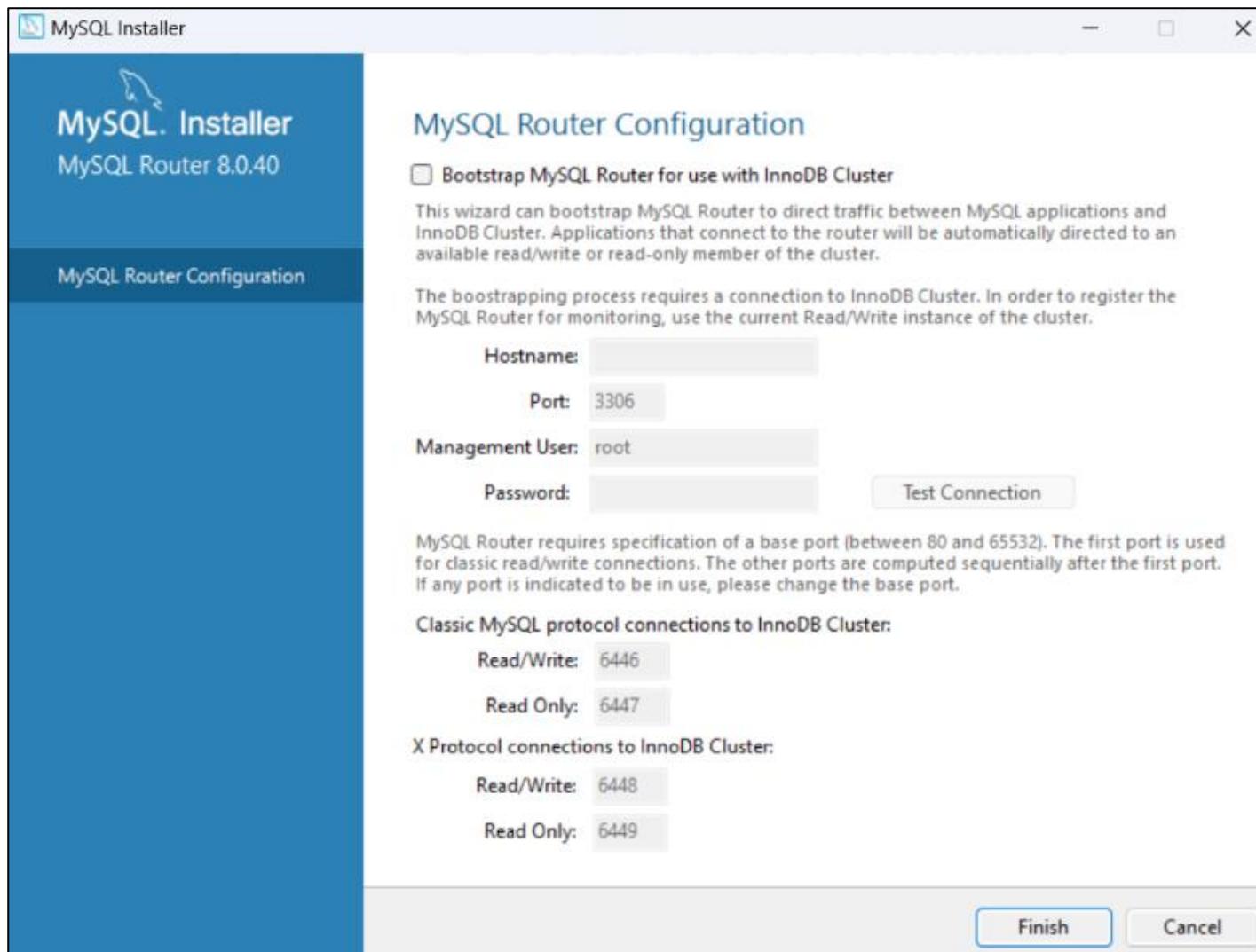


## 11. Product Configuration Next 클릭



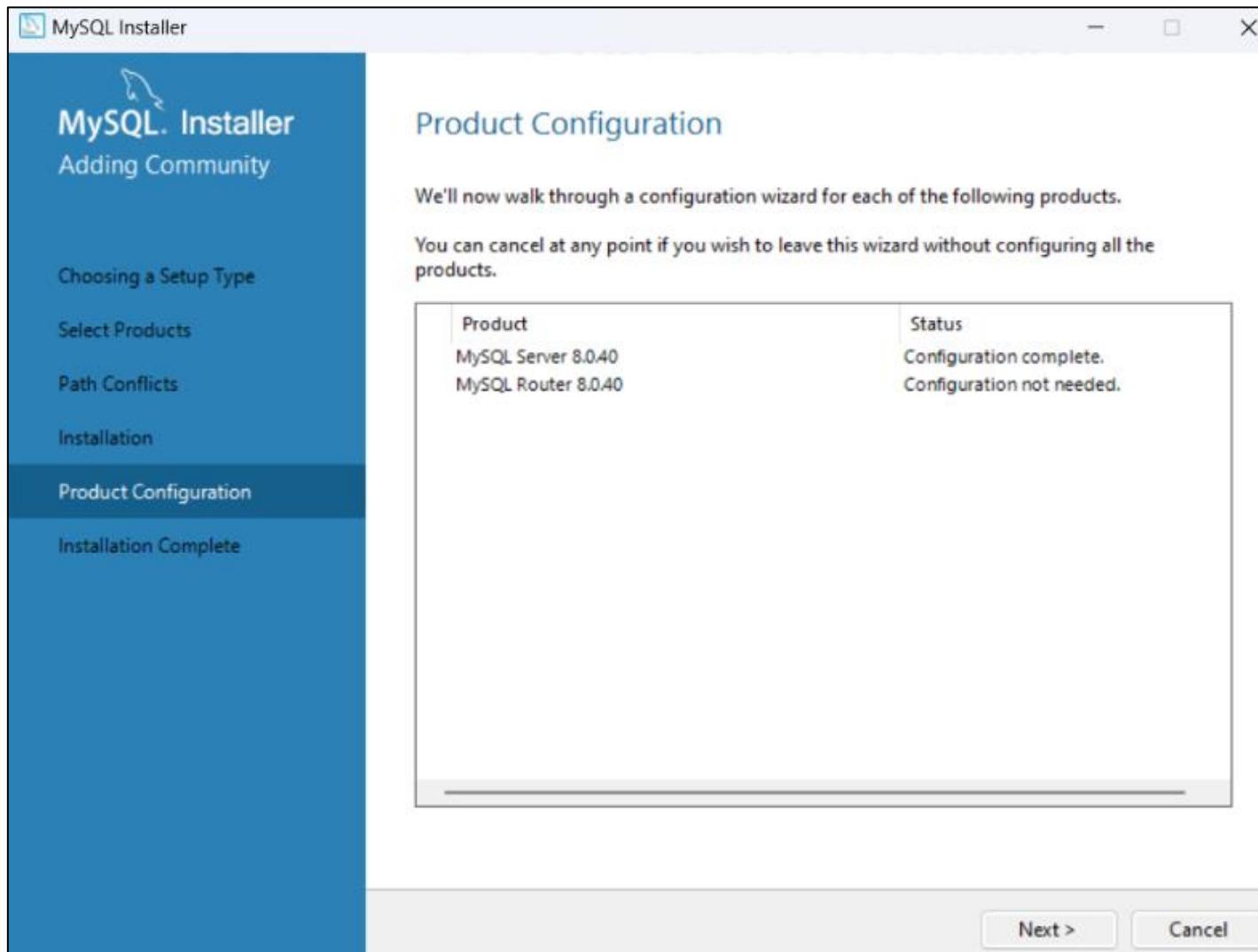


## 12. MySQL Router Configuration Finish 클릭





## 13. Product Configuration Next 클릭





## 14. Installation Complete Finish 클릭

MySQL Installer

## MySQL. Installer

Adding Community

Choosing a Setup Type

Select Products

Path Conflicts

Installation

Product Configuration

Installation Complete

### Installation Complete

The installation procedure has been completed.

Start MySQL Workbench after setup

Start MySQL Shell after setup

The MySQL Shell is an advanced MySQL client application that can be used to work with single MySQL Server instances. Further, it can be used to create and manage InnoDB Cluster, an integrated solution for high availability and scalability of MySQL databases, without requiring advanced MySQL expertise.

Refer to the following links for documentation, tutorials and examples on MySQL Shell:

[MySQL Shell Documentation](#)      [Setting up a Real World Cluster Blog](#)

[The All New MySQL InnoDB ReplicaSet Blog](#)      [Changing Cluster Options Live Blog](#)

Finish

## MySQL 설치하기



15. 자동으로 MySQL Shell 실행! -> \quit 입력해서 종료하면 끝!!

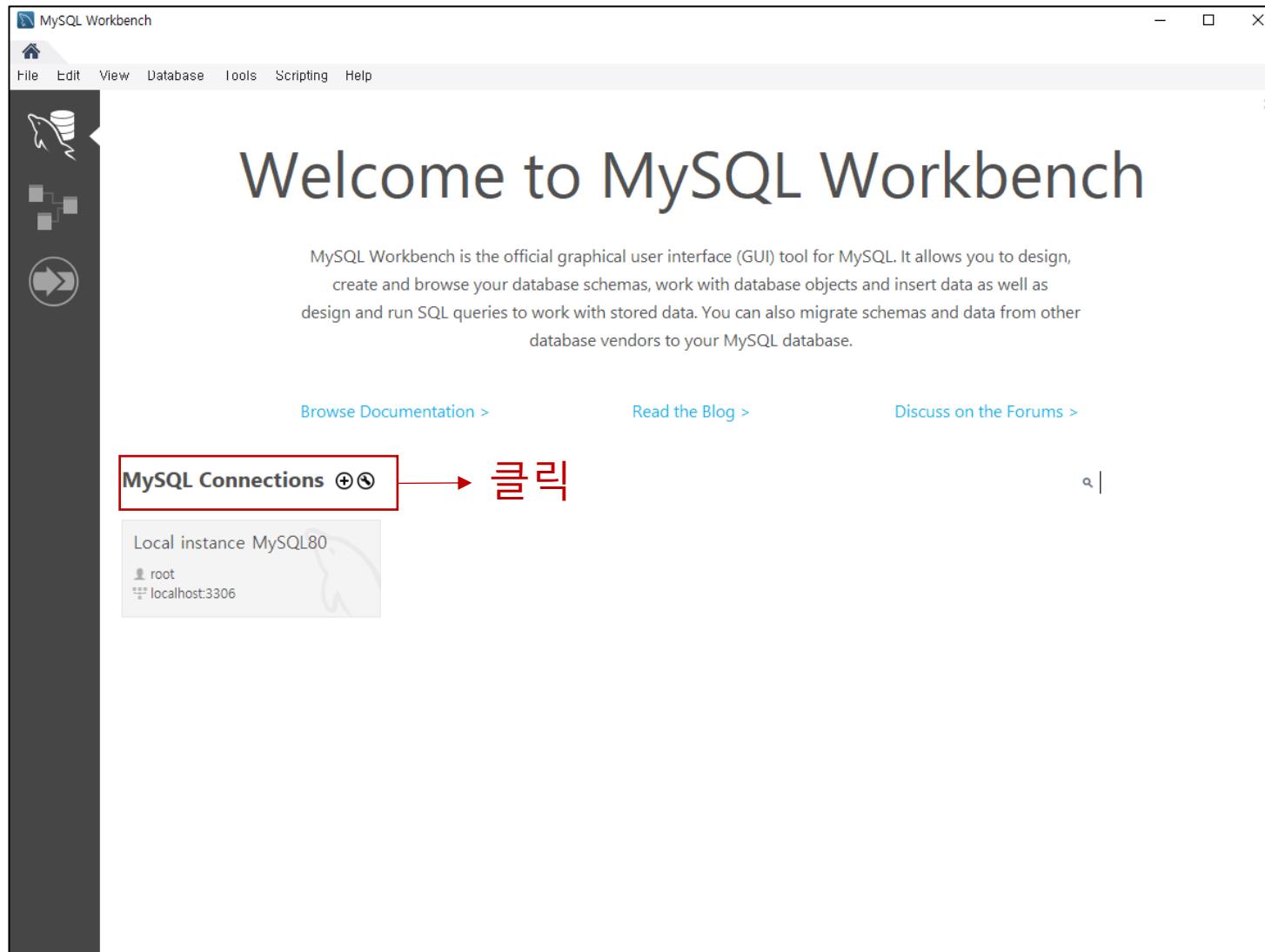
C:\Program Files\MySQL\MySQL Shell 8.0\bin\mysqlsh.exe

MySQL Shell 8.0.40

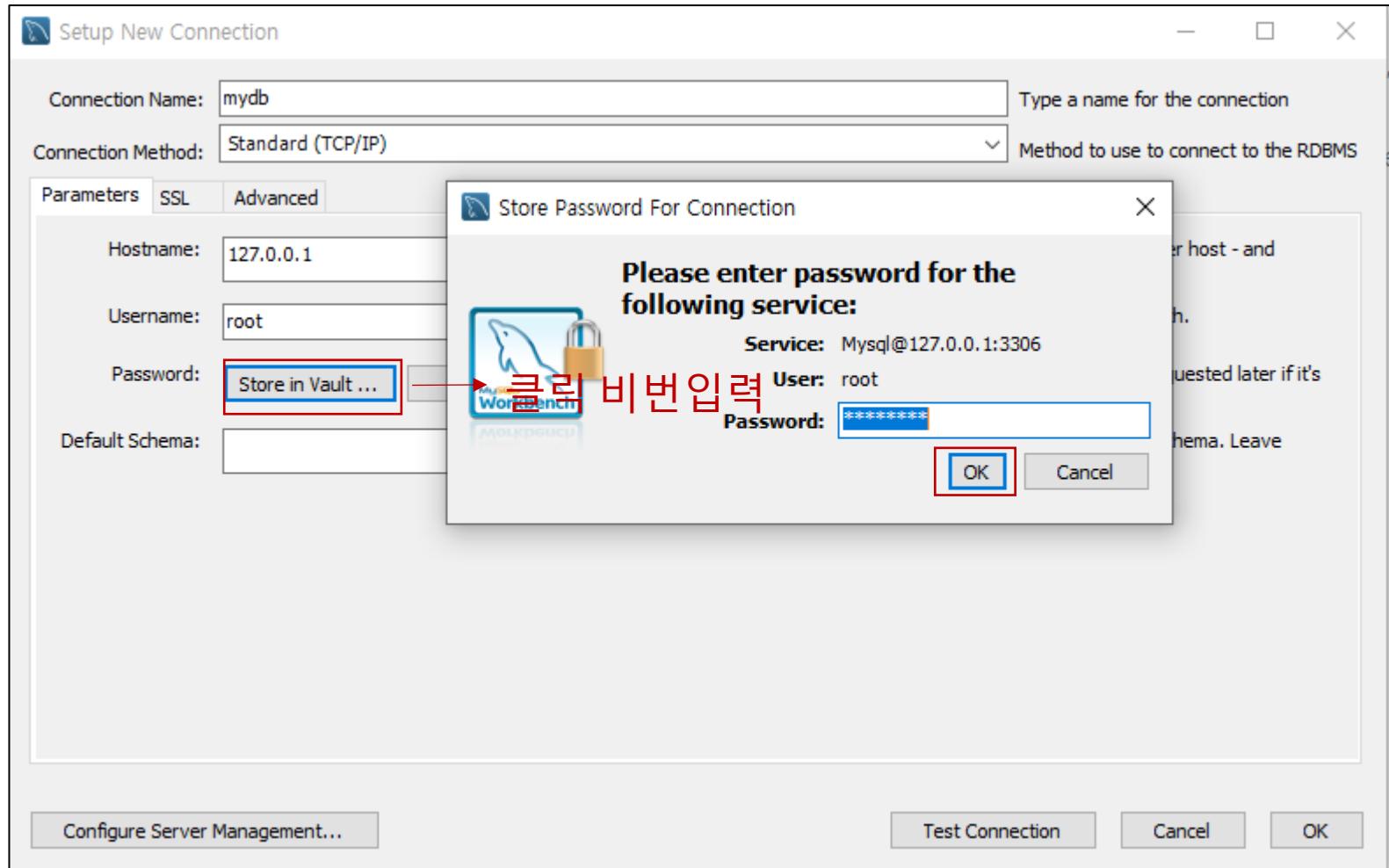
Copyright (c) 2016, 2024, Oracle and/or its affiliates.  
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Other names may be trademarks of their respective owners.

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

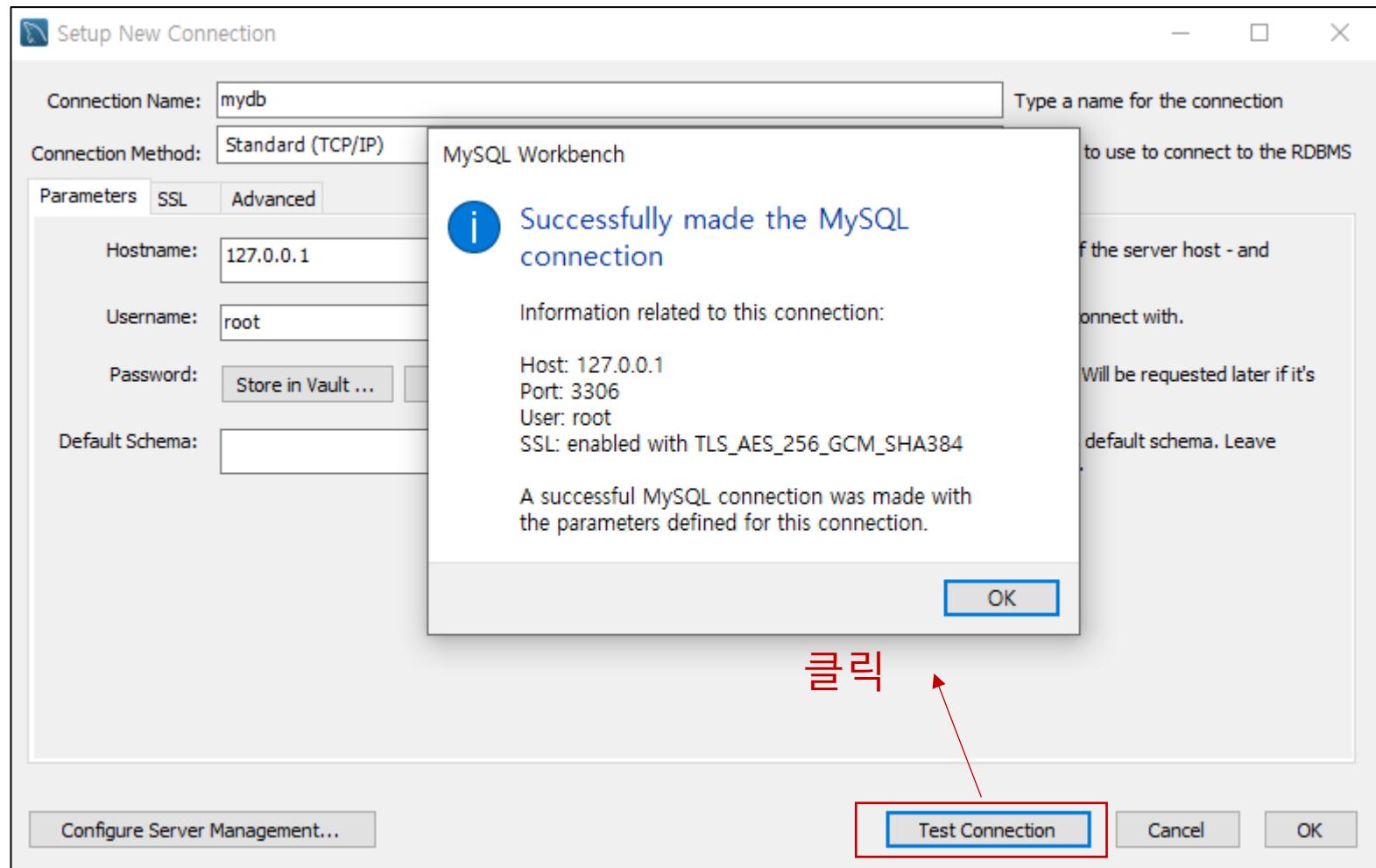
MySQL JS > \quit



# MySQL 설치 종료 후 MySQL Workbench 연결하기

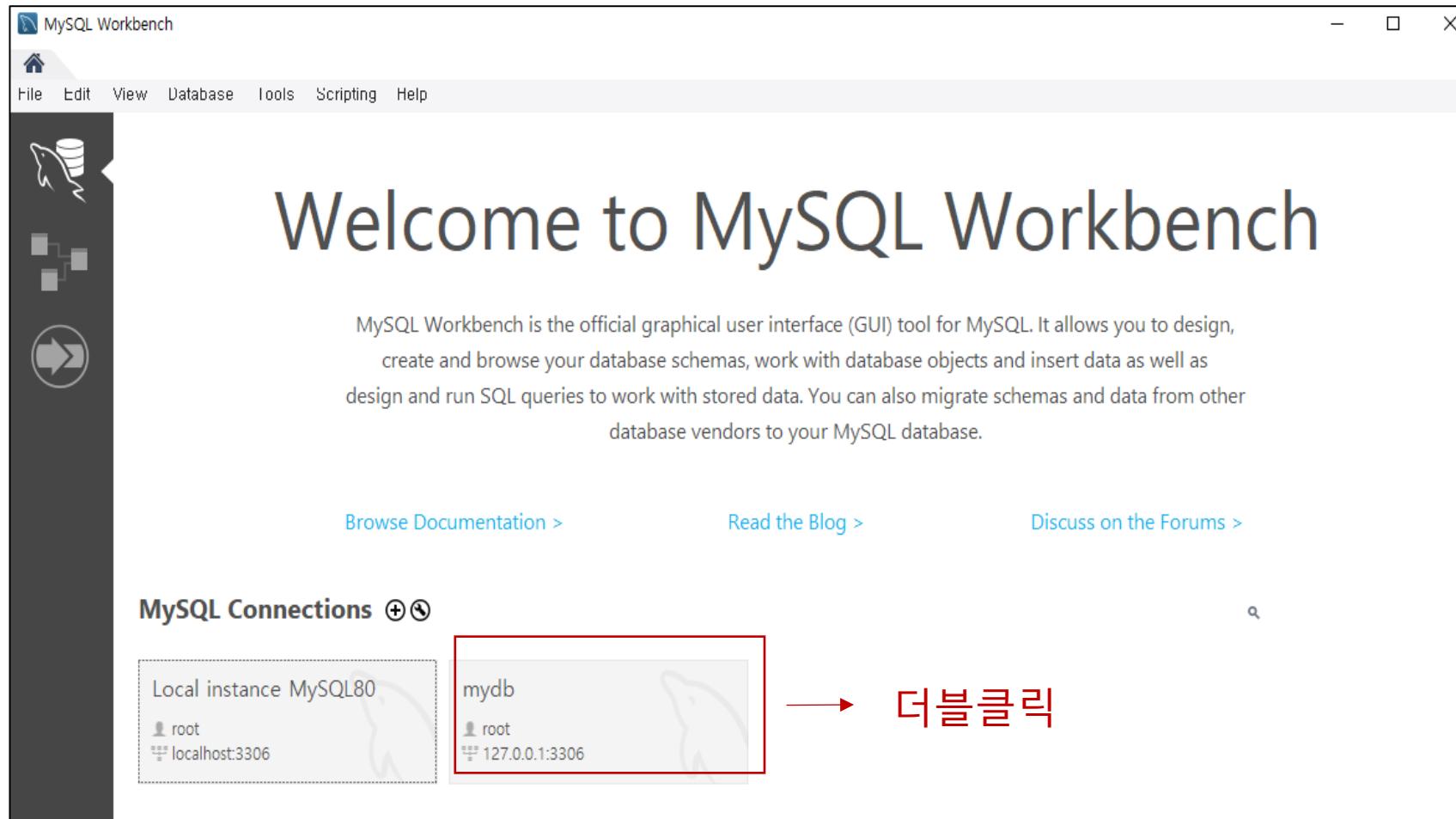


# MySQL 설치 종료 후 MySQL Workbench 연결하기





- MySQL 워크벤치(MySQL Workbench)는 SQL 개발과 관리, [데이터베이스 설계](#), 생성 그리고 유지를 위한 단일 개발 통합 환경을 제공하는 비주얼 [데이터베이스 설계 도구](#)이다. FORCE.NET의 DBDesigner4의 후속 판이며, 이전 소프트웨어 패키지인 MySQL GUI 툴즈 번들을 대체한 것이다.



# MySQL 설치 종료 후 MySQL Workbench 연결하기

