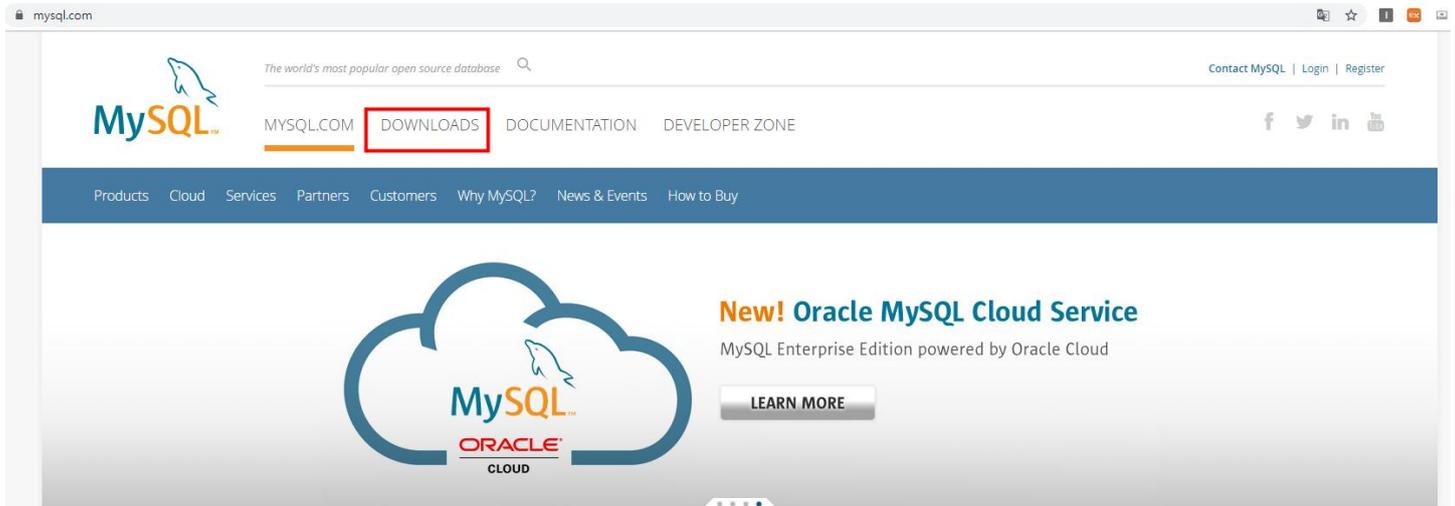


* MySQL 설치 진행

1. mysql.com에 접속 → DOWNLOAD 링크 클릭



2. 하단에 MYSQL Community Edition(GPL) 다운로드 클릭

- MySQL Router
- MySQL Enterprise Firewall
- MySQL Shell
- MySQL Enterprise Encryption
- MySQL Workbench
- MySQL Enterprise Audit
- 24x7 Technical Support

[Learn More >](#)
[Customer Download >](#)
[Trial Download >](#)

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USA: +1-866-221-0634
Canada: +1-866-221-0634

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France: +33 1 57 60 83 57
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UK: +44 207 553 8447

Japan: 0120-065556
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NoSQL + SQL = MySQL

[Learn More >](#)

Oracle MySQL Cloud Service

Oracle MySQL Cloud Service is built on MySQL Enterprise Edition and powered by Oracle Cloud, providing an enterprise-grade MySQL database service.

[Learn More >](#)

MySQL Cluster CGE

MySQL Cluster is a real-time open source transactional database designed for fast, always-on access to data under high throughput conditions.

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

[Learn More >](#)

[Customer Download >](#) (Select Patches & Updates Tab, Product Search)

[Trial Download >](#)

[MySQL Community \(GPL\) Downloads >](#)

3. MySQL Installer for Windows 클릭

MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository

- MySQL Community Server
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Workbench

- **MySQL Installer for Windows**
- MySQL for Excel
- MySQL for Visual Studio
- MySQL Notifier

- Connector/C (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

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4. 용량이 큰 파일 다운로드

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases

MySQL Installer 8.0.18

Select Operating System:
 Looking for previous GA versions?

Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-web-community-8.0.18.0.msi)</small>	8.0.18	18.6M	Download
<small>MD5: c509966c1033462027a009cc51a98c74 Signature</small>			
Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-community-8.0.18.0.msi)</small>	8.0.18	415.1M	Download
<small>MD5: 906b5f84343d487f716f03b5925d8286 Signature</small>			

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

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5. Download 클릭

MySQL Installer 5.7.21

Select Operating System:
 Looking for previous GA versions?

Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-web-community-5.7.21.0.msi)</small>	5.7.21	18.6M	Download
Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-community-5.7.21.0.msi)</small>	5.7.21	370.8M	Download

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

6. No thanks 클릭

Begin Your Download

mysql-installer-community-5.7.21.0.msi

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
- Comment in the MySQL Documentation

Login »

using my Oracle Web account

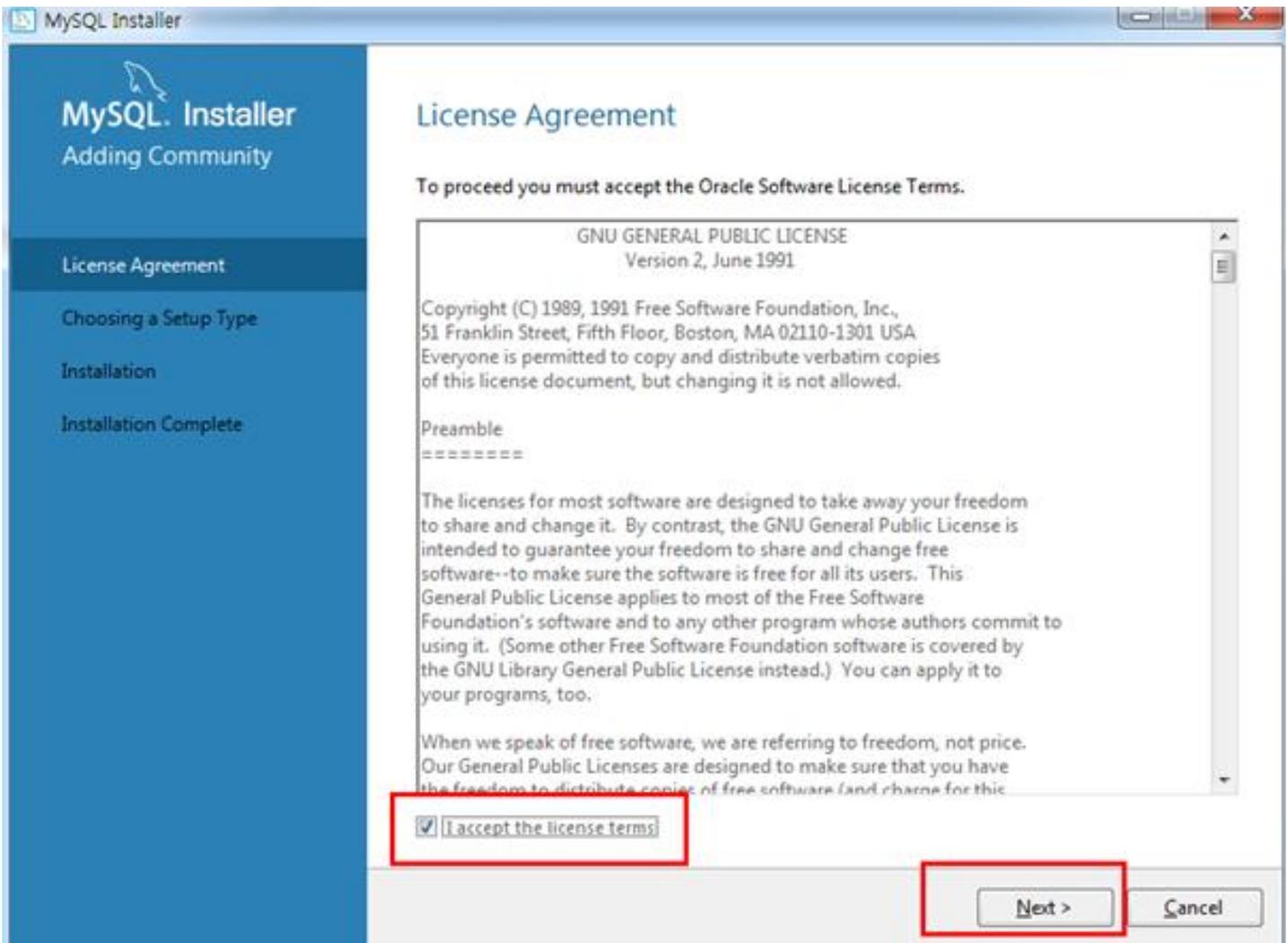
Sign Up »

for an Oracle Web account

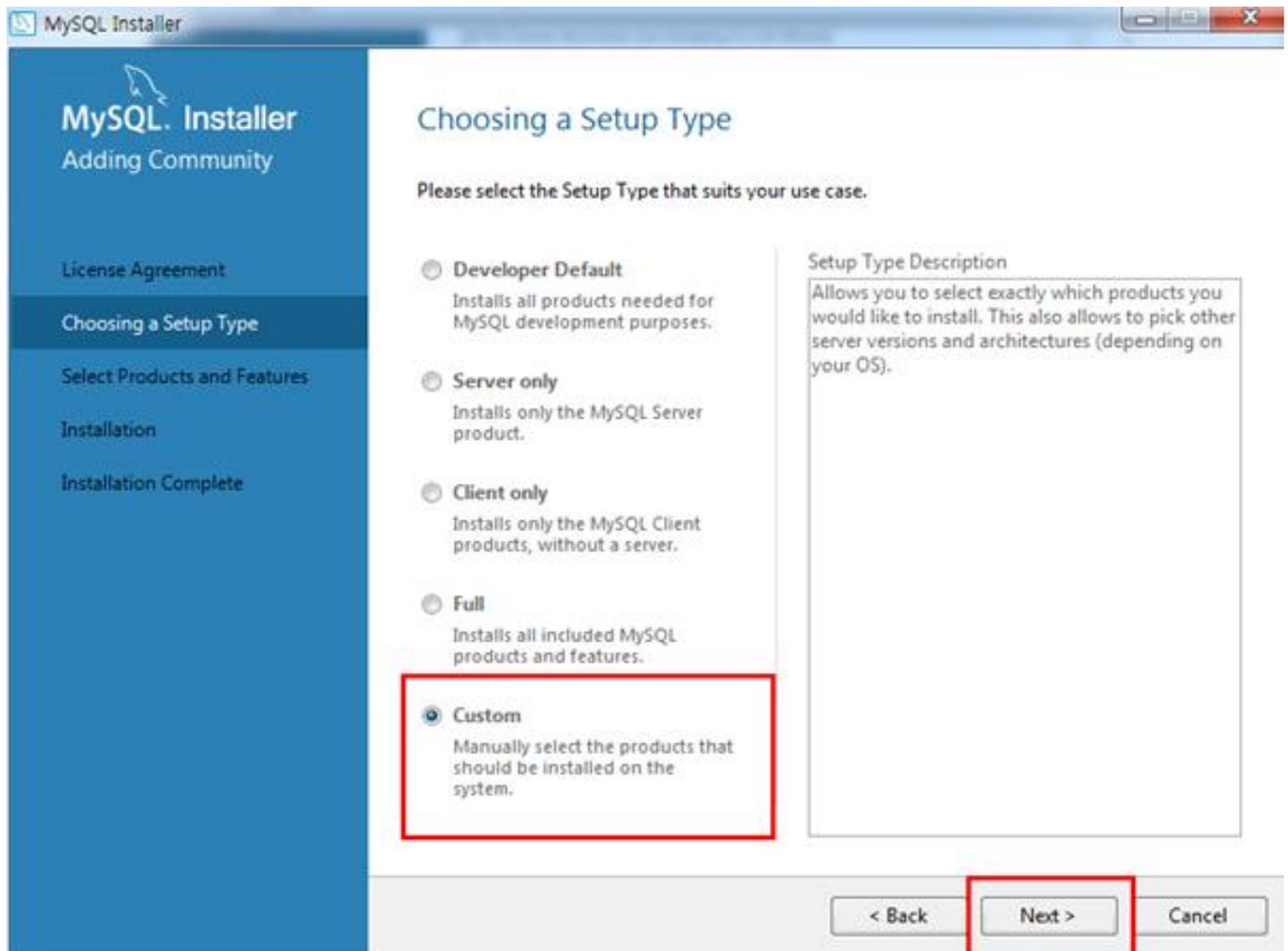
MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can sign up for a free account by clicking the Sign Up link and following the instructions.

No thanks, just start my download.

7. 설치 파일 실행 → 라이선스 동의 후 Next 클릭

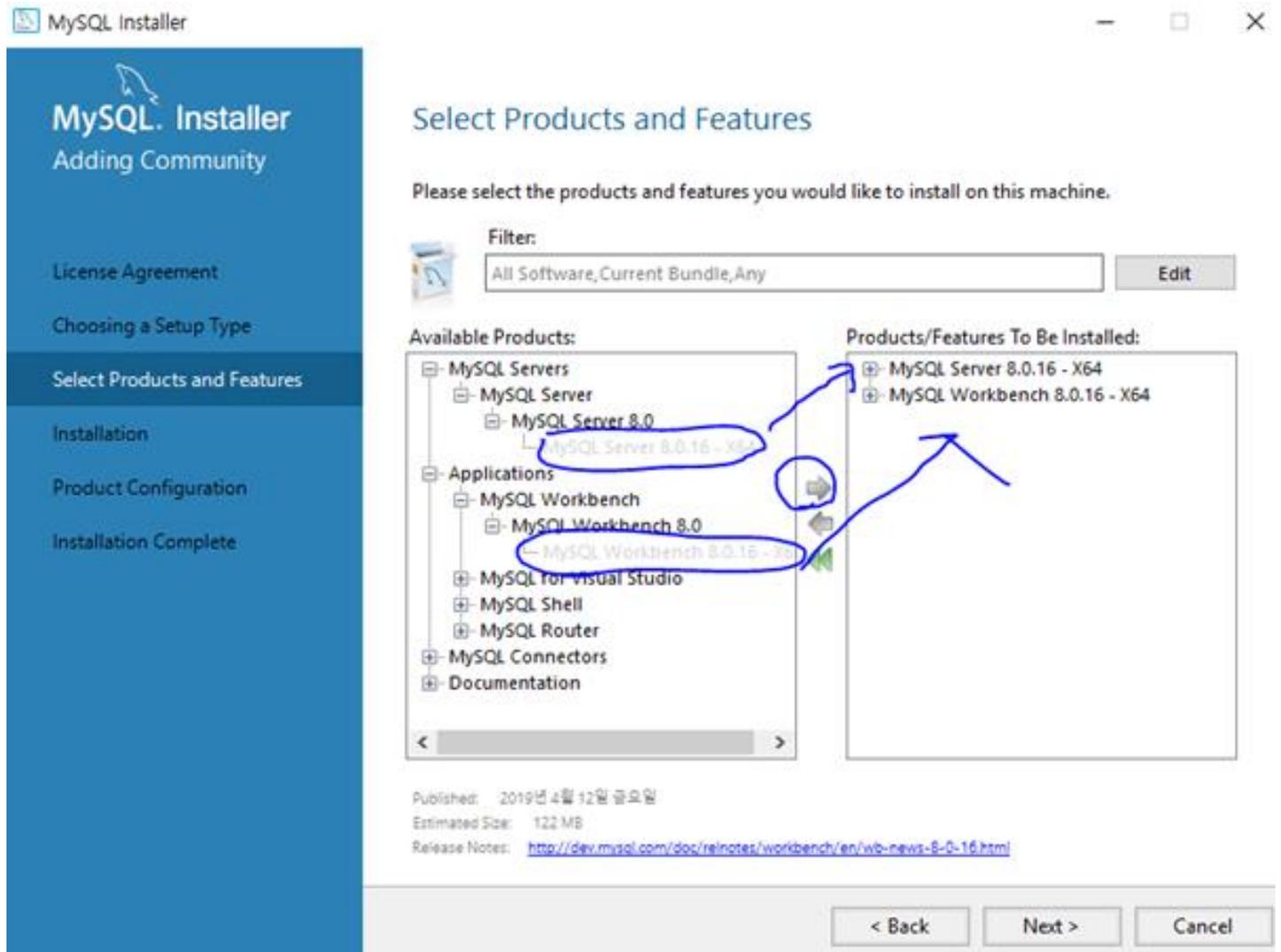


8. Custom 클릭 후 Next

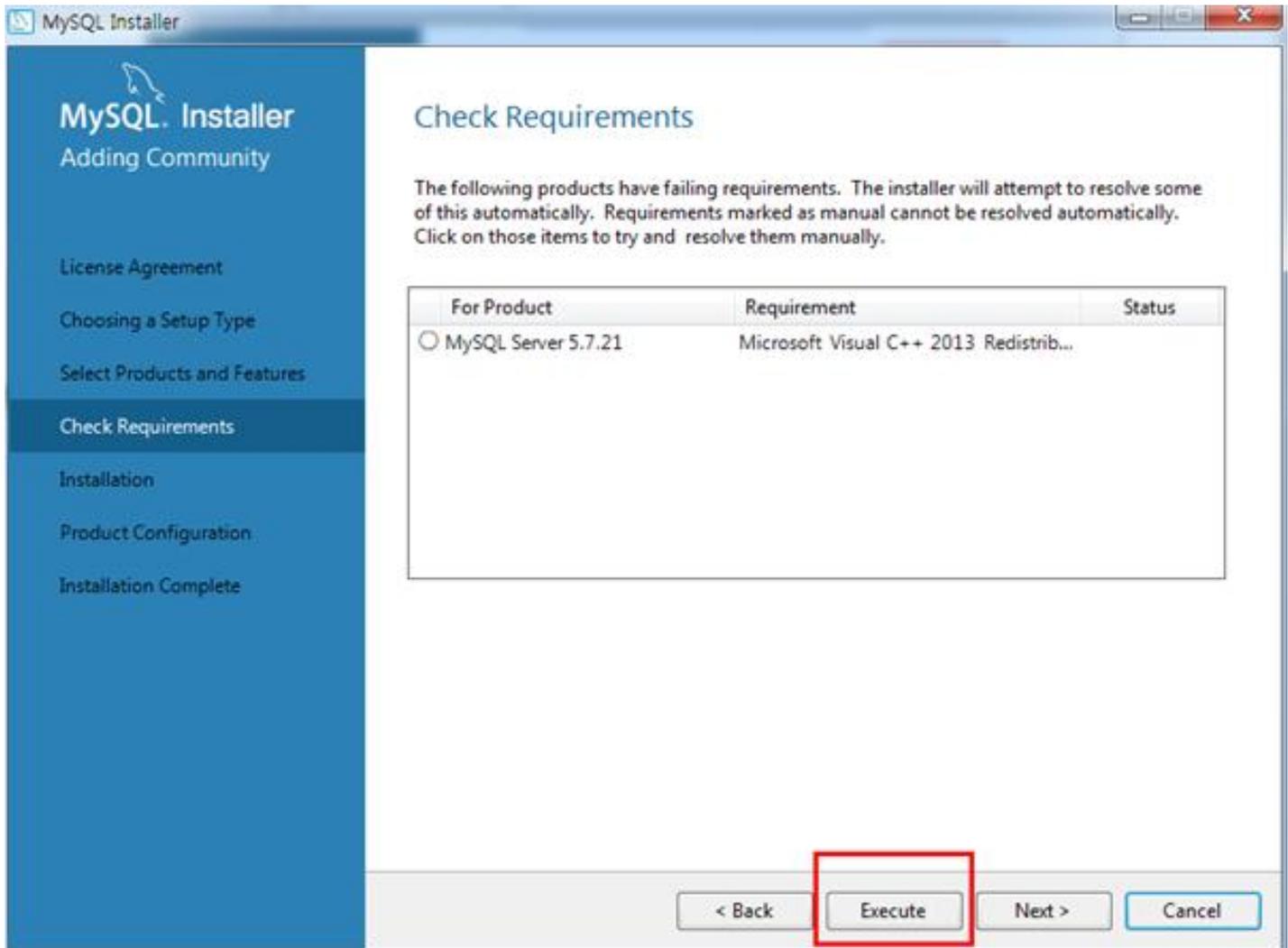


9. 3개의 프로그램을 선택하여 설치

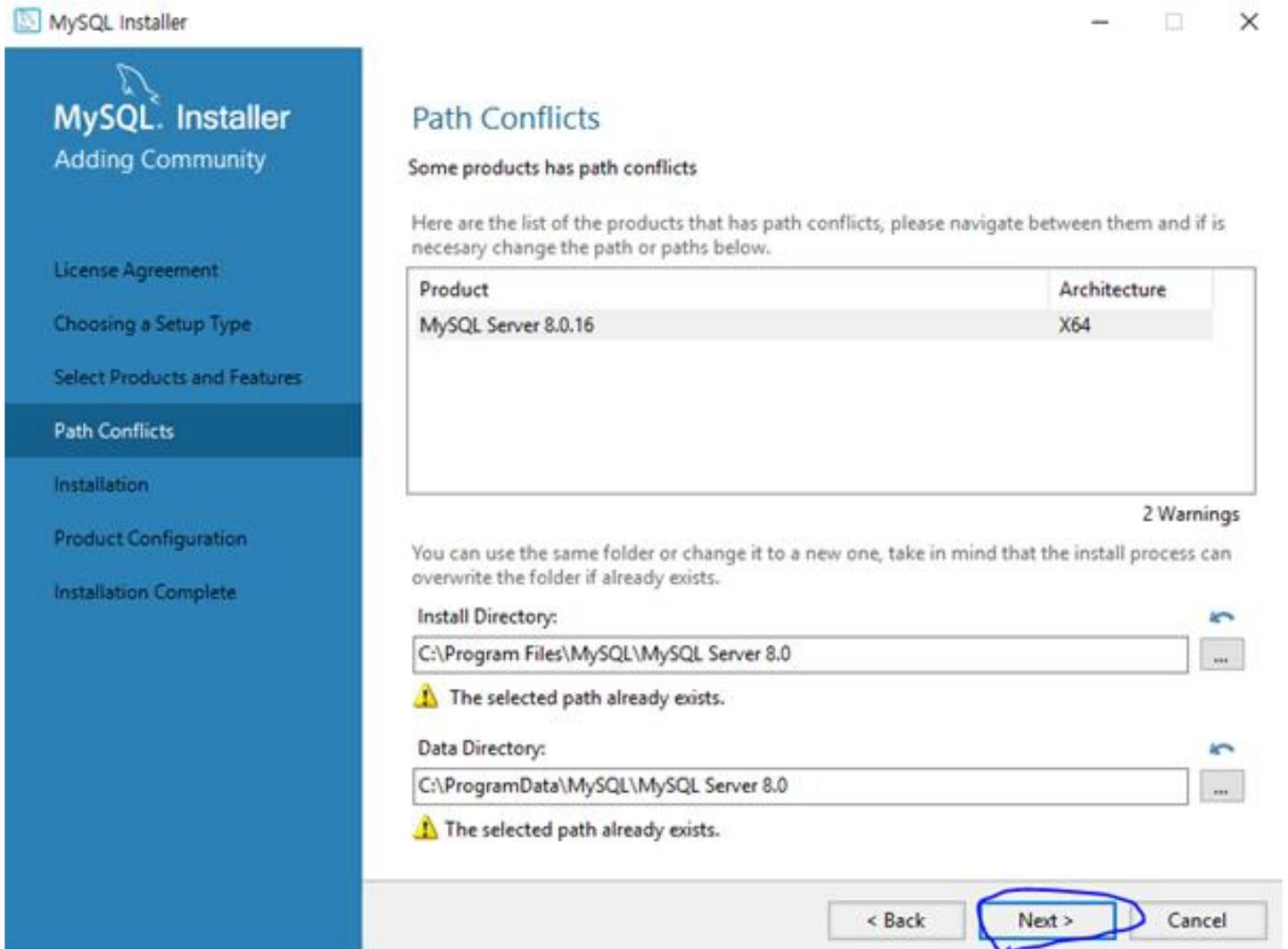
- ① MySQL Server 탭 아래에 있는 MySQL Server 8.0.16 x64 파일,
 - ② Application 탭 아래 MySQL Workbench,
 - ③ MySQL Connectors > Connector/J
- 화살표를 이용하여 오른쪽에 담고 Next클릭



10. Microsoft Visual C++ 2013 미설치 했을 시에만 뜨는 화면, Execute를 눌러 설치하고 진행



11. Execute 버튼을 눌러 설치 시작



MySQL Installer

MySQL. Installer

Adding Community

License Agreement

Choosing a Setup Type

Select Products and Features

Path Conflicts

Installation

Product Configuration

Installation Complete

Installation

The following products will be installed.

Product	Status	Progress	Notes
 MySQL Server 8.0.16	Ready to Install		
 MySQL Workbench 8.0.16	Ready to Install		

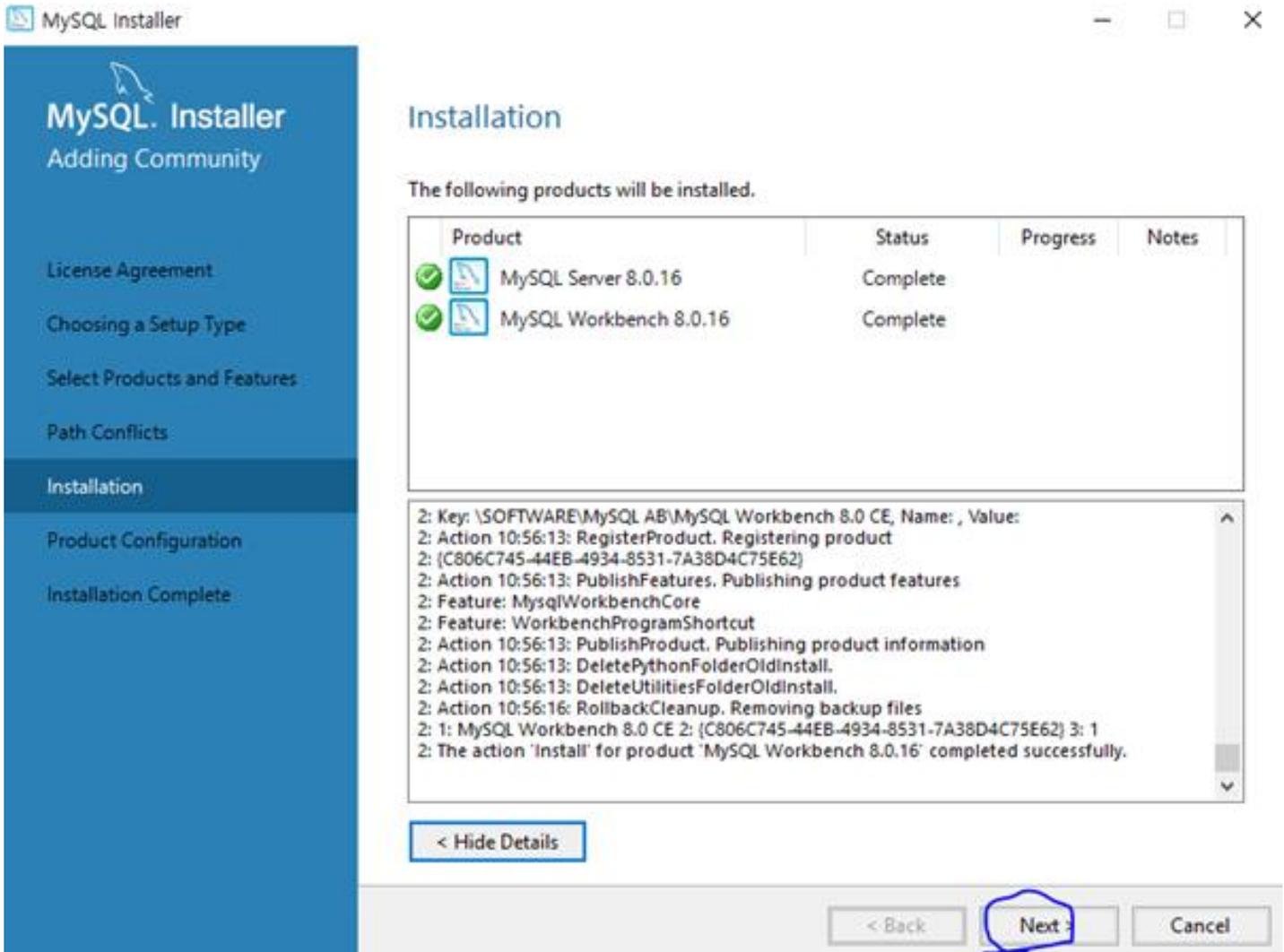
Click [Execute] to install the following packages.

< Back

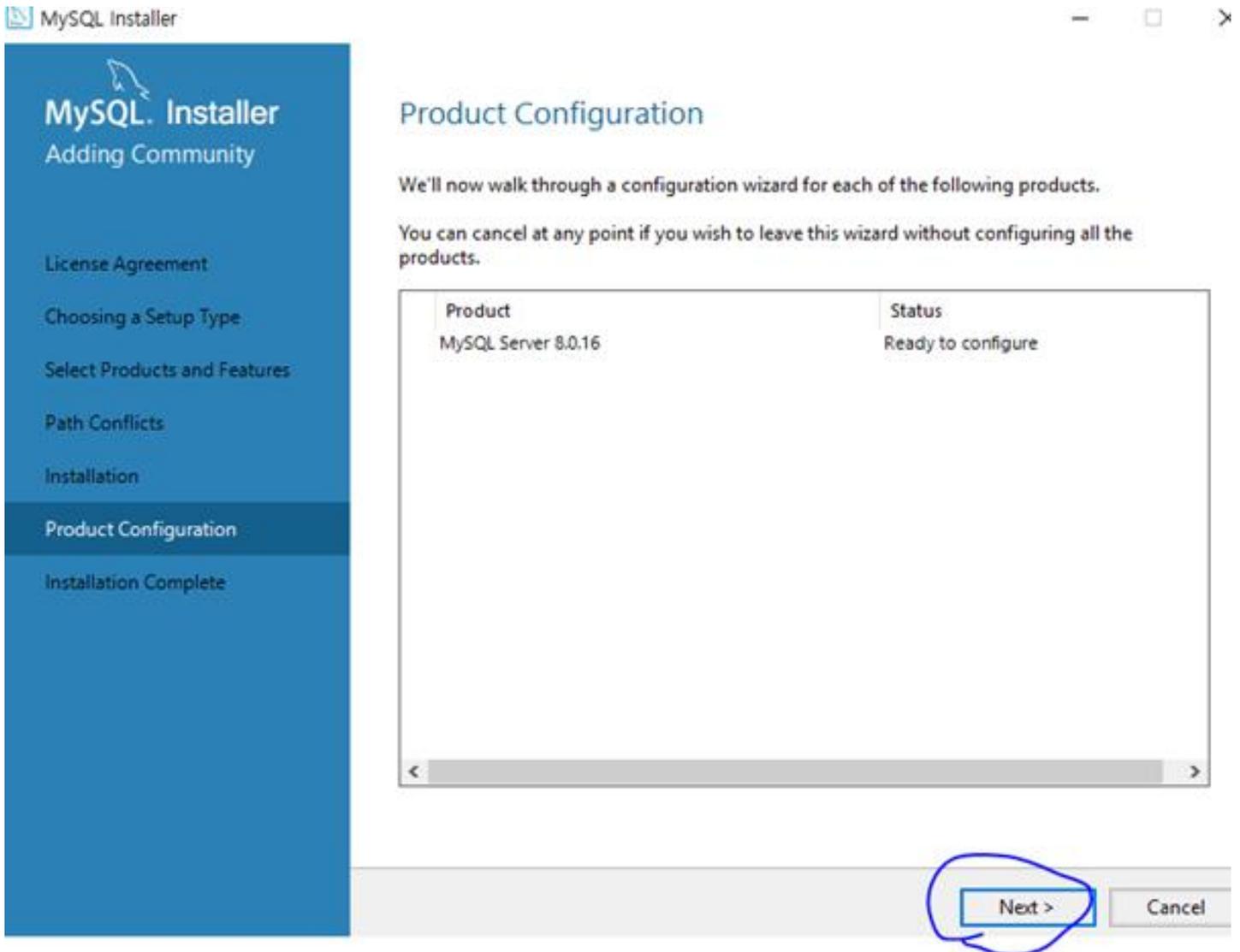
Execute

Cancel

12. 설치가 끝났으면 Next 클릭.



13. Next 클릭하여 서버 설정 시작.



* MySQL Server 설정

1. Standalone MySQL Server/Classic MySQL Replication 선택

MySQL Installer

MySQL. Installer

MySQL Server 8.0.16

- High Availability
- Type and Networking
- Authentication Method
- Accounts and Roles
- Windows Service
- Logging Options
- Advanced Options
- Apply Configuration

High Availability

Standalone MySQL Server / Classic MySQL Replication
Choose this option to run the MySQL instance as a standalone database server with the opportunity to configure classic replication later. With this option, you can provide your own high-availability solution, if required.

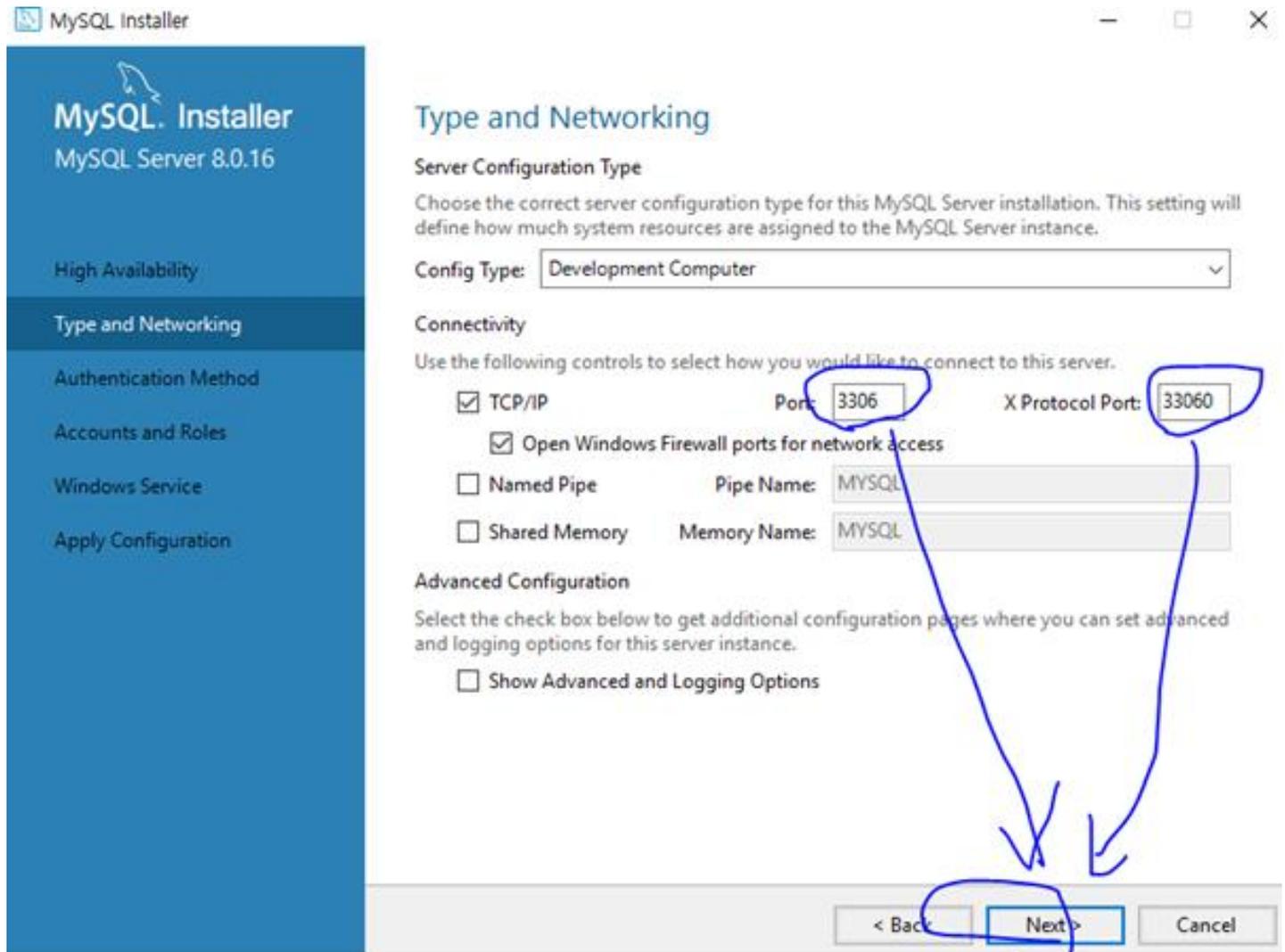
InnoDB Cluster [Why is this option disabled?](#)
The InnoDB cluster technology provides an out-of-the-box high availability (HA) solution for MySQL using Group Replication.

The diagram illustrates the InnoDB Cluster architecture. On the left, a 'Client App' connects to a 'MySQL Router'. The 'MySQL Router' connects to a 'MySQL Shell'. The 'MySQL Shell' connects to an 'InnoDB Cluster', which consists of three MySQL server instances. Arrows indicate the flow of data and control between these components.

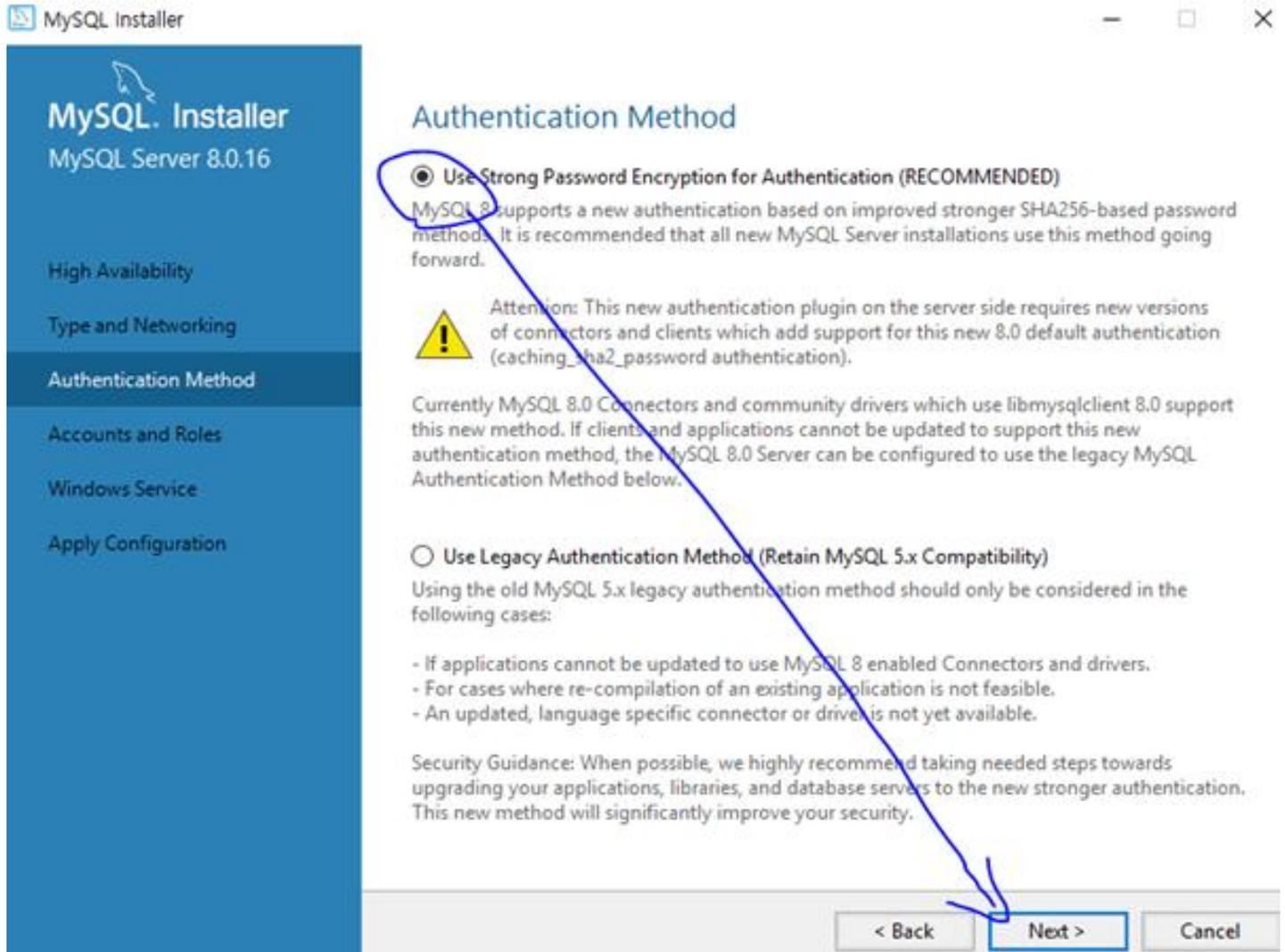
Note: [InnoDB cluster](#) requires a minimum of three MySQL server instances to provide a fully automated HA solution. Members of a cluster should be located such that network communication latency between servers is low.

Next > Cancel

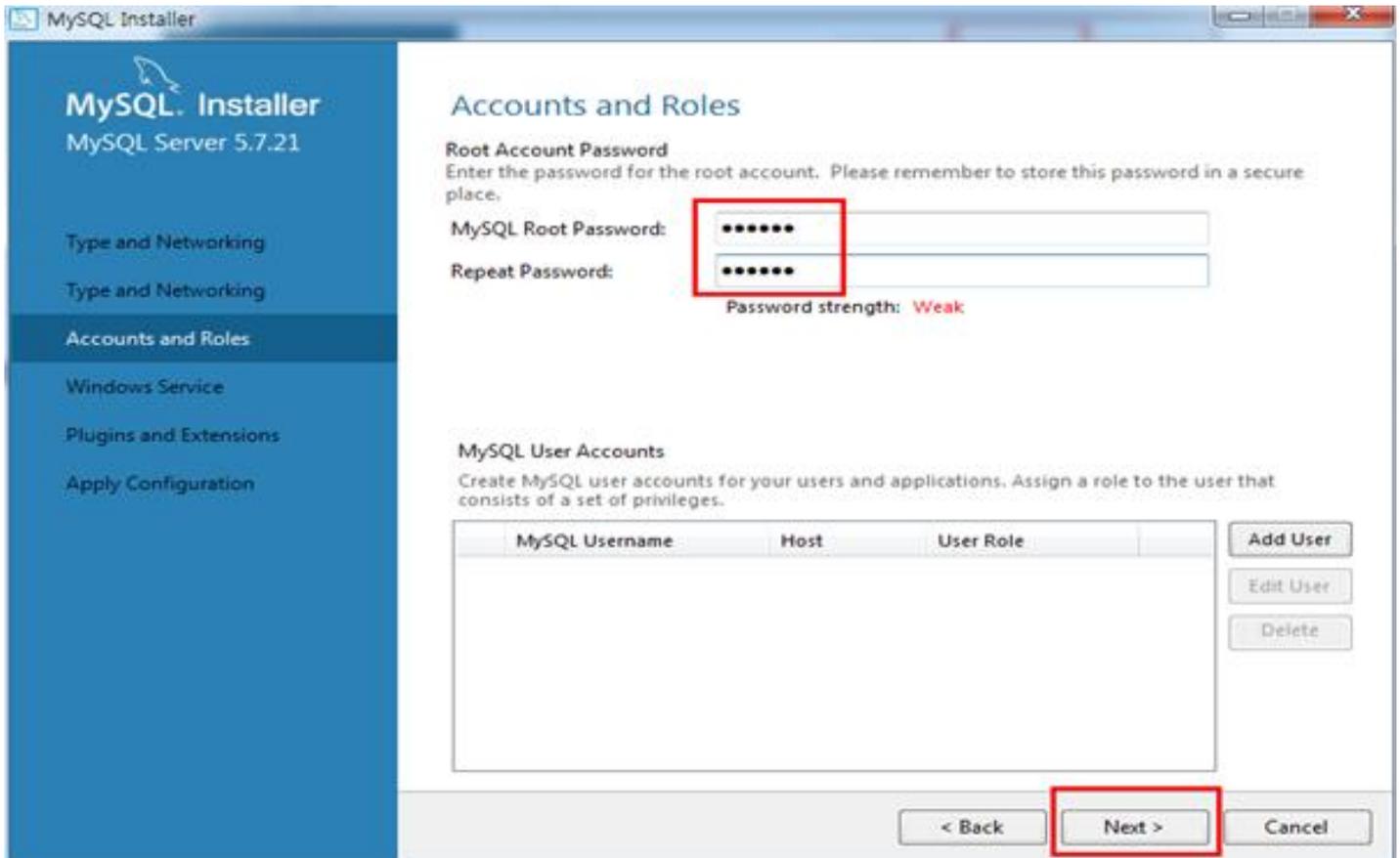
2. Port번호 확인하고 넘어갈 것. 기본은 3306으로 되어있음.



3. 비밀번호 체계는 Use String password encryption for Authentication 선택



4. 관리자 Root 비밀번호 설정 후 Next (공용환경에서는 mysql로 지정)

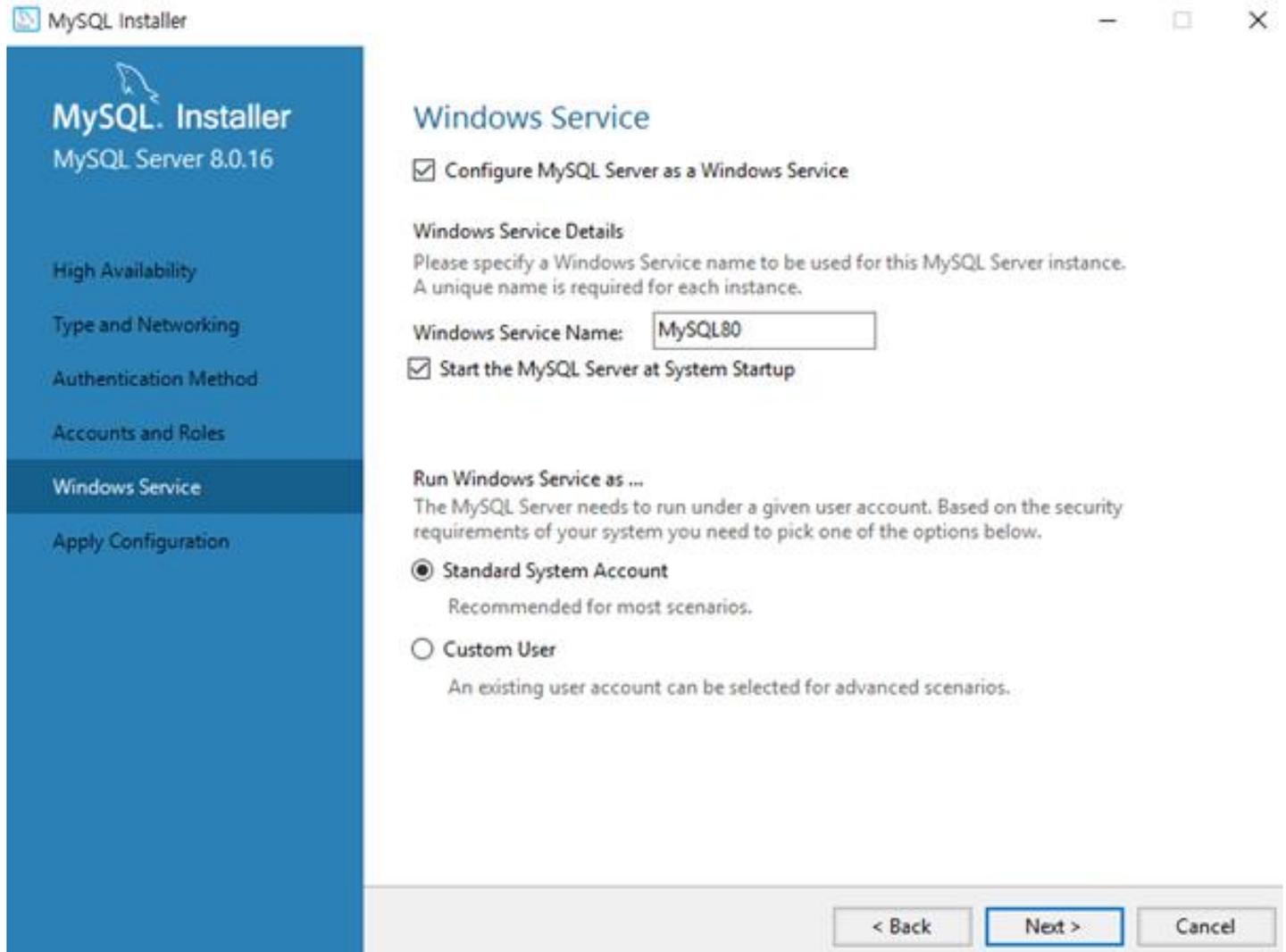


The screenshot shows the MySQL Installer window for MySQL Server 5.7.21. The 'Accounts and Roles' tab is selected in the left sidebar. The main area is titled 'Accounts and Roles' and contains the following sections:

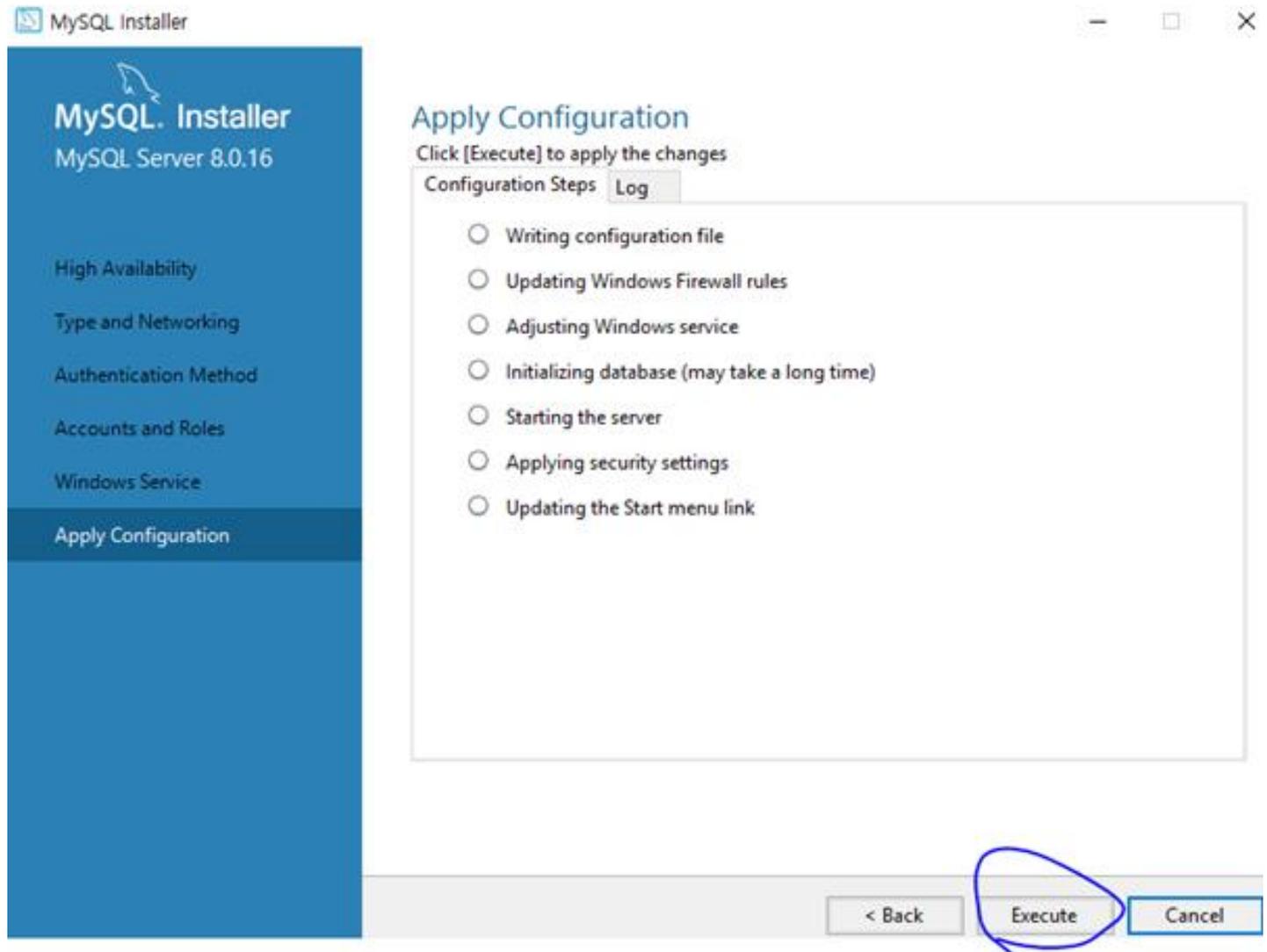
- Root Account Password:** A section with the instruction 'Enter the password for the root account. Please remember to store this password in a secure place.' It includes two password input fields: 'MySQL Root Password:' and 'Repeat Password:'. Both fields contain masked characters (dots) and are highlighted with a red box. Below these fields, the text 'Password strength: Weak' is displayed in red.
- MySQL User Accounts:** A section with the instruction 'Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.' It features a table with the following 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 >', and 'Cancel'. The 'Next >' button is highlighted with a red box.

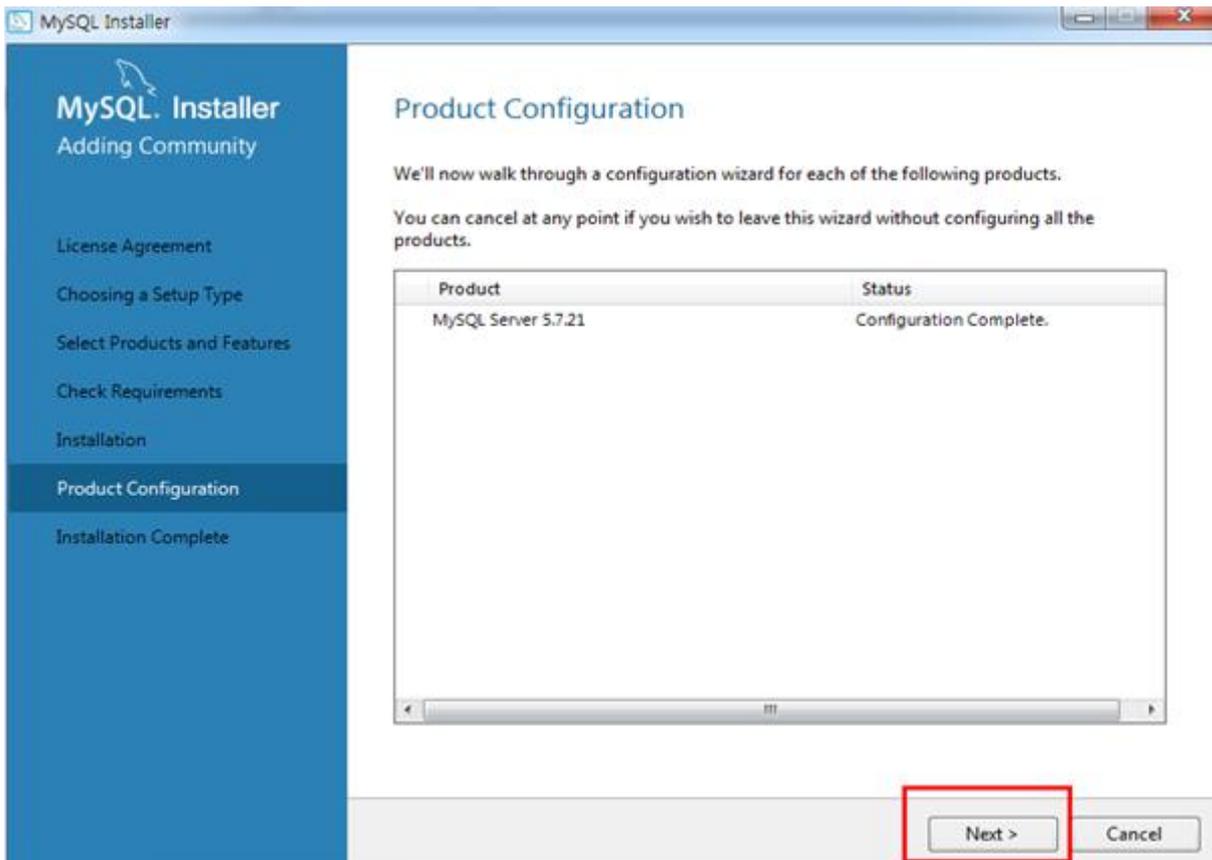
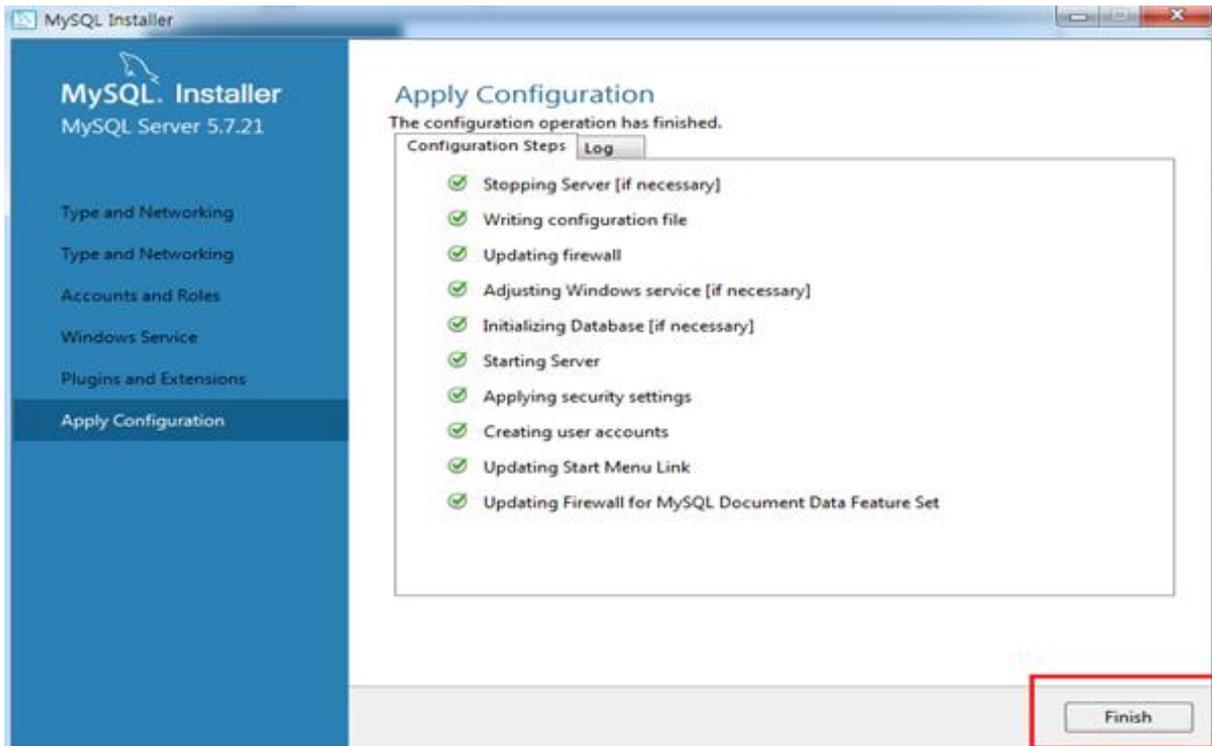
5. Service Name 지정 후 Next 클릭(디폴트로 뒤도 된다)



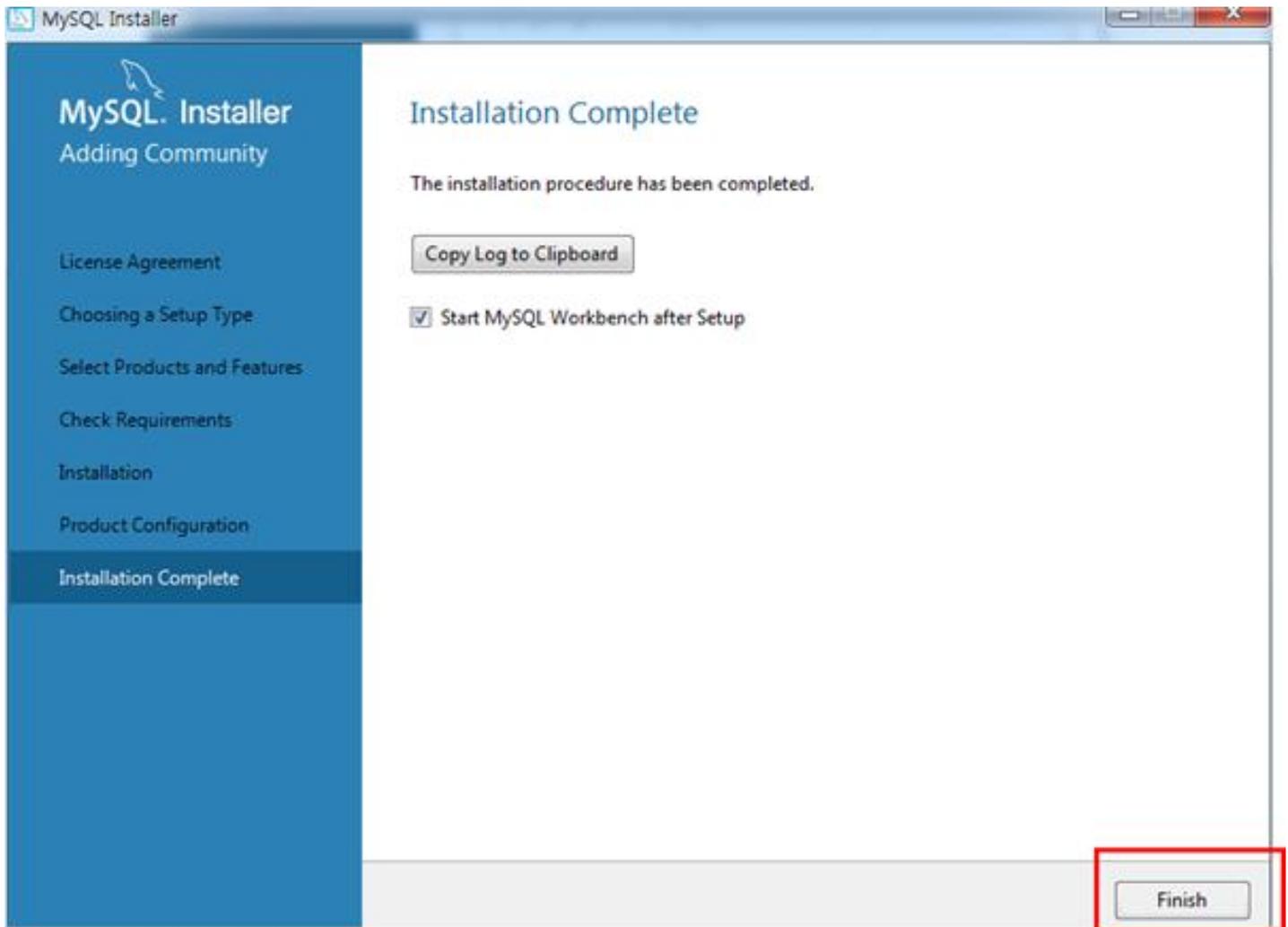
6. Next, Execute 클릭



7. Finish, Next 클릭

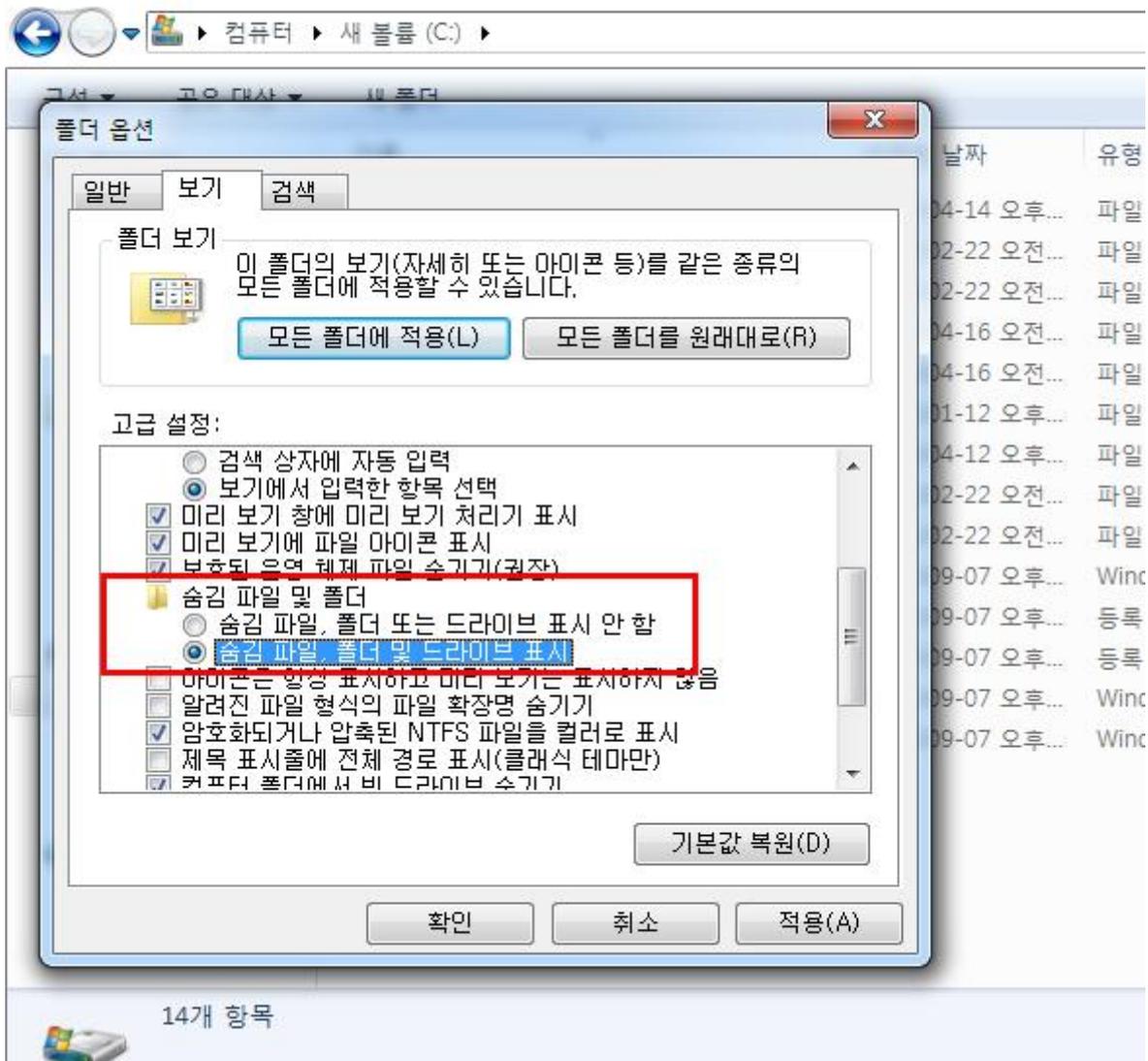


8. 설정 완료.

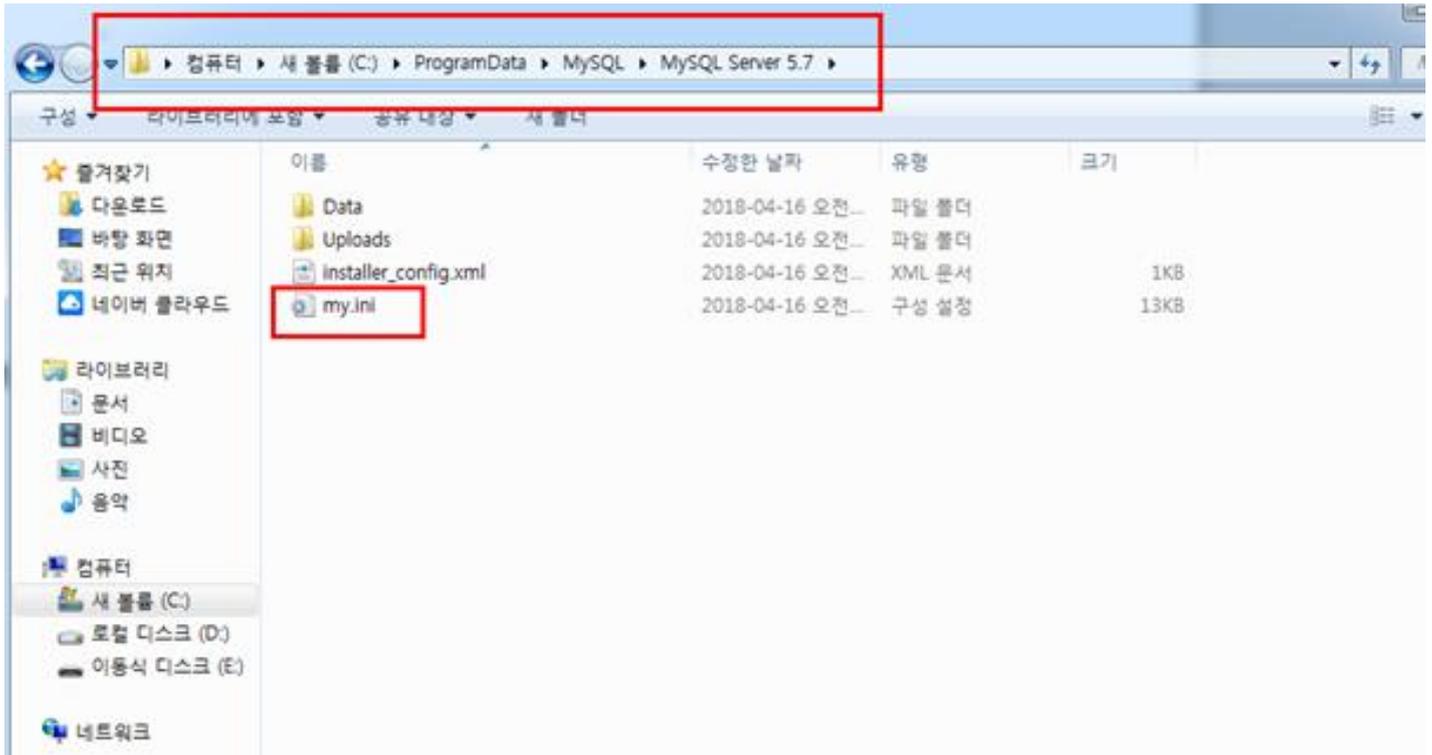


* MySQL 한글 인코딩 설정(8버전에선 생략해도 됩니다)

1. 내 컴퓨터 -> C드라이브 클릭 -> 폴더옵션에서 숨김 폴더 표시 체크



2. 숨겨진 폴더 ProgramData -> MySQL -> MySQL Server 5.7 폴더 연 뒤 my.ini 파일 수정



3. my.ini 파일 안에 다음 문장 추가

```
[client]  
default-character-set=utf8
```

```
[mysqld]  
character-set-server=utf8  
collation-server=utf8_general_ci  
init_connect=SET collation_connection=utf8_general_ci  
init_connect=SET NAMES utf8
```

```
[mysql]  
default-character-set=utf8
```

4. 설정이 완료된 모습

#

```
[client]
default-character-set=utf8
```

```
# pipe
# socket=0,0
port=3306
```

```
[mysql]
no-beep

default-character-set=utf8
```

SERVER SECTION

#

#

```
# The following options will be read by the MySQL Server. Make sure that
# you have installed the server correctly (see above) so it reads this
# file.
```

#

server_type=3

```
[mysqld]
character-set-server=utf8
collation-server=utf8_general_ci
init_connect=SET collation_connection=utf8_general_ci
init_connect=SET NAMES utf8
```

The next three options are mutually exclusive to SERVER_PORT below.

skip-networking

5. MySQL Workbench 실행 후 한글 인코딩 확인, 이미 워크벤치가 실행중이라면 재실행한다.

welcome to MySQL Workbench

MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as design and run SQL queries to work with stored data. You can also migrate schemas and data from other



6. System Variable 탭 아래 'char'입력 후 한글 인코딩 확인.

The screenshot shows the SQL Server Enterprise Manager interface. The 'Server Variables' window is open, displaying the 'System Variables' tab. A search filter 'char' is entered in the search box. The table below shows the results of the search, with the 'Value' column highlighted in red.

Name	Value	Description
character_set_client	utf8	[rw] Current client character set
character_set_connection	utf8	[rw] Current connection character set
character_set_database	utf8	[rw] The character set used by the default database
character_set_filesystem	binary	[rw] Set the file system character set
character_set_results	utf8	[rw] Current result character set
character_set_server	utf8	[rw] Specify default character set
character_set_system	utf8	The character set used by the server for storing identifiers
character_sets_dir	C:\Program Files\My...	Directory where character sets are installed