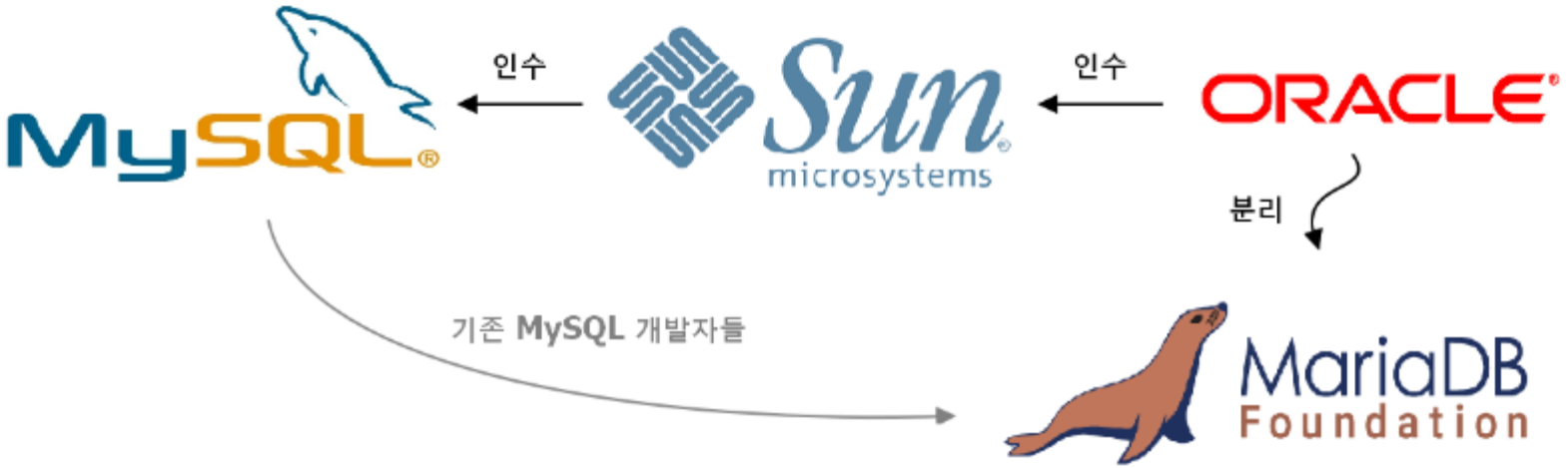
MARIA DB
설치 및 설정

LECTURED BY SOONGU HONG

MariaDB

- 오픈 소스의 관계형 데이터베이스 관리 시스템(RDBMS)
- MySQL 개발자들이 분리되어 나와 설립한 회사인 만큼 MySQL과 동일한 소스코드를 기반으로 하며, GPL v2 라이선스를 따른다.
- MySQL 라이선스 이슈에 반발하여 대체제로 떠오르는 데이터베이스
- MySQL과 높은 호환성을 유지, 5.5 버전까지는 명령어나 사용방법 모두 동일. MySQL을 위해 설계된 데이터베이스 연계 클라이언트를 사용할 수 있음
- Docker를 설치한 후 컨테이너 위에 MariaDB를 설치하는 방법도 있음
- 개인·토이 프로젝트 진행 시 MySQL, MariaDB, PostgreSQL 데이터베이스를 주로 사용



Maria DB 서버 설치하기

https://mariadb.org/download/?t=mariadb&p=mariadb&r=10.7.5&os=windows&cpu=x86_64&pkg=msi&m=blendbyte

Download MariaDB Server

MariaDB Server is one of the world's most popular open source relational databases and is available in the standard repositories of al major Linux distributions. Look for the package mariadb-server using the package manager of your operating system. Alternatively you can use the following resources:

MariaDB Server | MariaDB Repositories | Connectors

This is a **short term release** which is maintained for one year only. The latest **long-term support release** is MariaDB 10.6, which is maintained for five years.

MariaDB Server Version

MariaDB Server 10.7.5

Display older releases:

Operating System

Windows

Architecture

x86_64

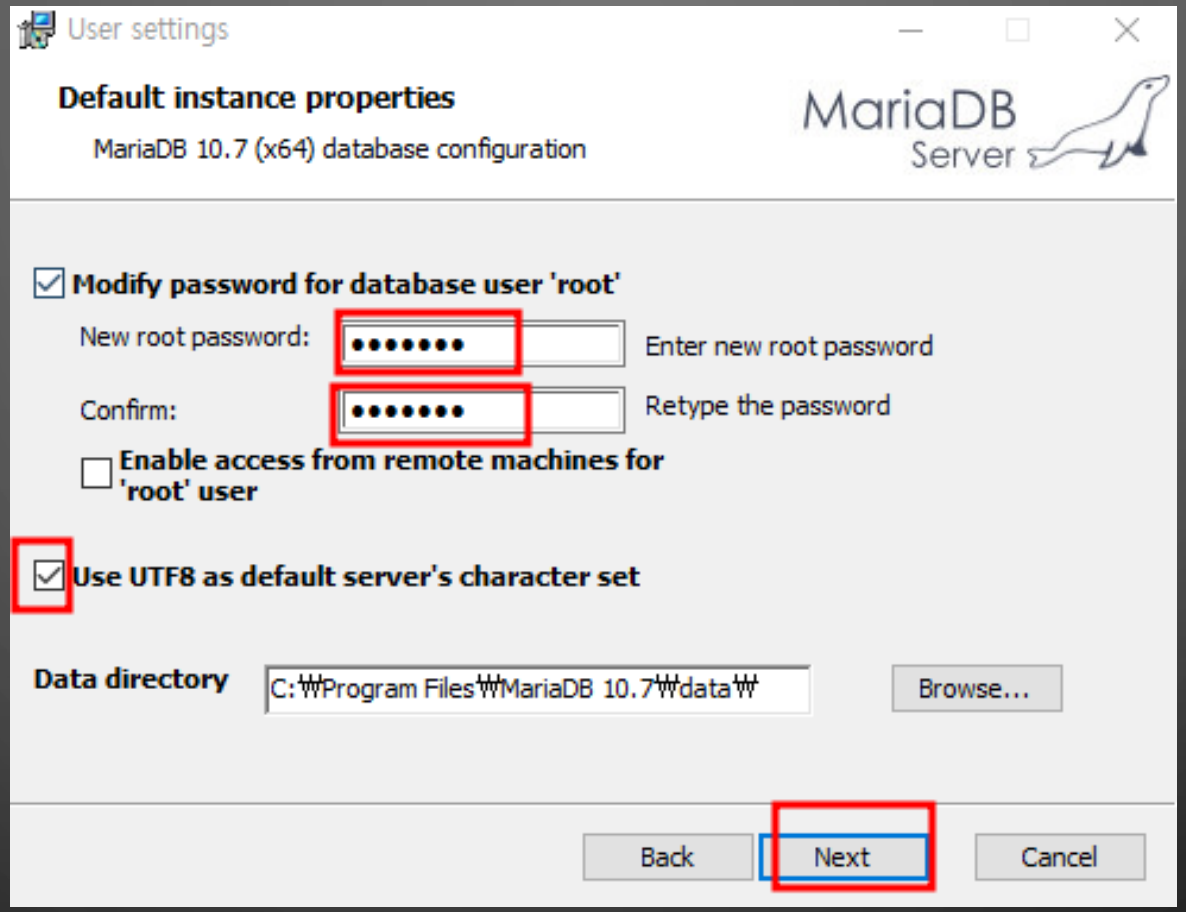
Package Type

MSI Package

Download

Mirror

Blendbyte - Taipei


User settings
Default instance properties
MariaDB 10.7 (x64) database configuration
MariaDB Server
Modify password for database user 'root'
New root password:
Enter new root password
Confirm:
Retype the password
Enable access from remote machines for 'root' user
Use UTF8 as default server's character set
Data directory
C:₩Program Files₩MariaDB 10.7₩data₩
Browse...
Back
Next
Cancel

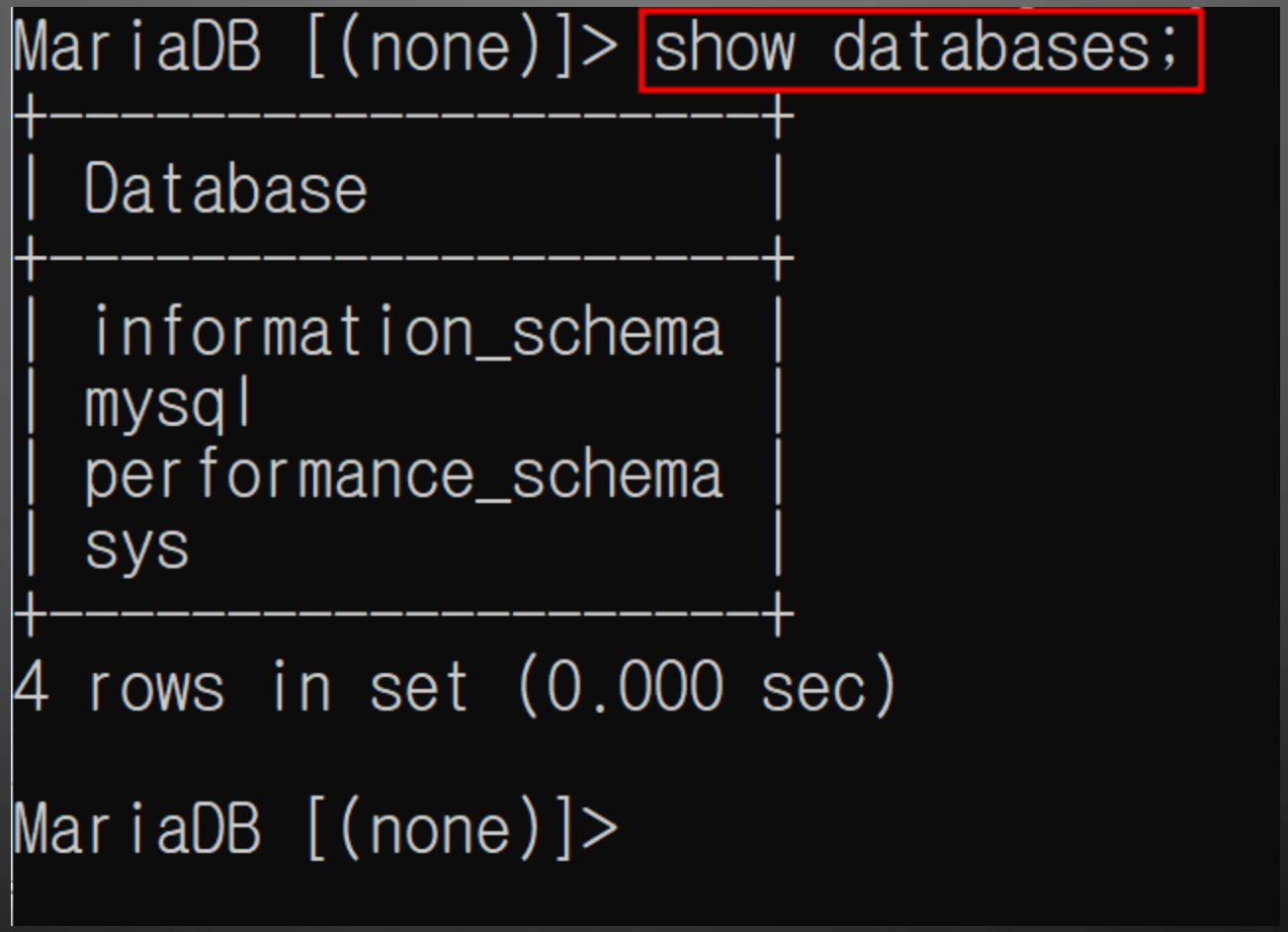
```
C:₩>cd "C:₩Program Files₩MariaDB 10.7₩bin"

C:₩Program Files₩MariaDB 10.7₩bin>mysql -u root -p
Enter password: *******
Welcome to the MariaDB monitor.  Commands end with ; or ₩g.
Your MariaDB connection id is 4
Server version: 10.7.5-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '₩h' for help. Type '₩c' to clear the current input statement.

MariaDB [(none)]> _
```


MariaDB [(none)]> show databases;
+--------------------+
| Database |
+--------------------+
| information_schema |
| mysql |
| performance_schema |
| sys |
+--------------------+
4 rows in set (0.000 sec)
MariaDB [(none)]>

```
MariaDB [(none)]> CREATE DATABASE spring4;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| spring4            |
| sys                |
+--------------------+
5 rows in set (0.001 sec)
```

```
MariaDB [(none)]> USE spring4;
Database changed
MariaDB [spring4]> SELECT CURRENT_TIMESTAMP FROM dual;
+---------------------+
| CURRENT_TIMESTAMP   |
+---------------------+
| 2022-09-01 10:51:17 |
+---------------------+
1 row in set (0.000 sec)

MariaDB [spring4]>
```

Maria DB 클라이언트 설치하기

https://dev.mysql.com/downloads/windows/installer/8.0.html

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases | Archives

MySQL Installer 8.0.30

Select Operating System:

Microsoft Windows

Looking for previous GA versions?

Windows (x86, 32-bit), MSI Installer	8.0.30	5.5M	Download
(mysql-installer-web-community-8.0.30.0.msi)		MD5: c095cf221e8023fd8391f81eadce65fb | Signature	
Windows (x86, 32-bit), MSI Installer	8.0.30	448.3M	Download
(mysql-installer-community-8.0.30.0.msi)		MD5: c9cbd5d788f45605dae914392a1dfeea | Signature	

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

MySQL Community Downloads

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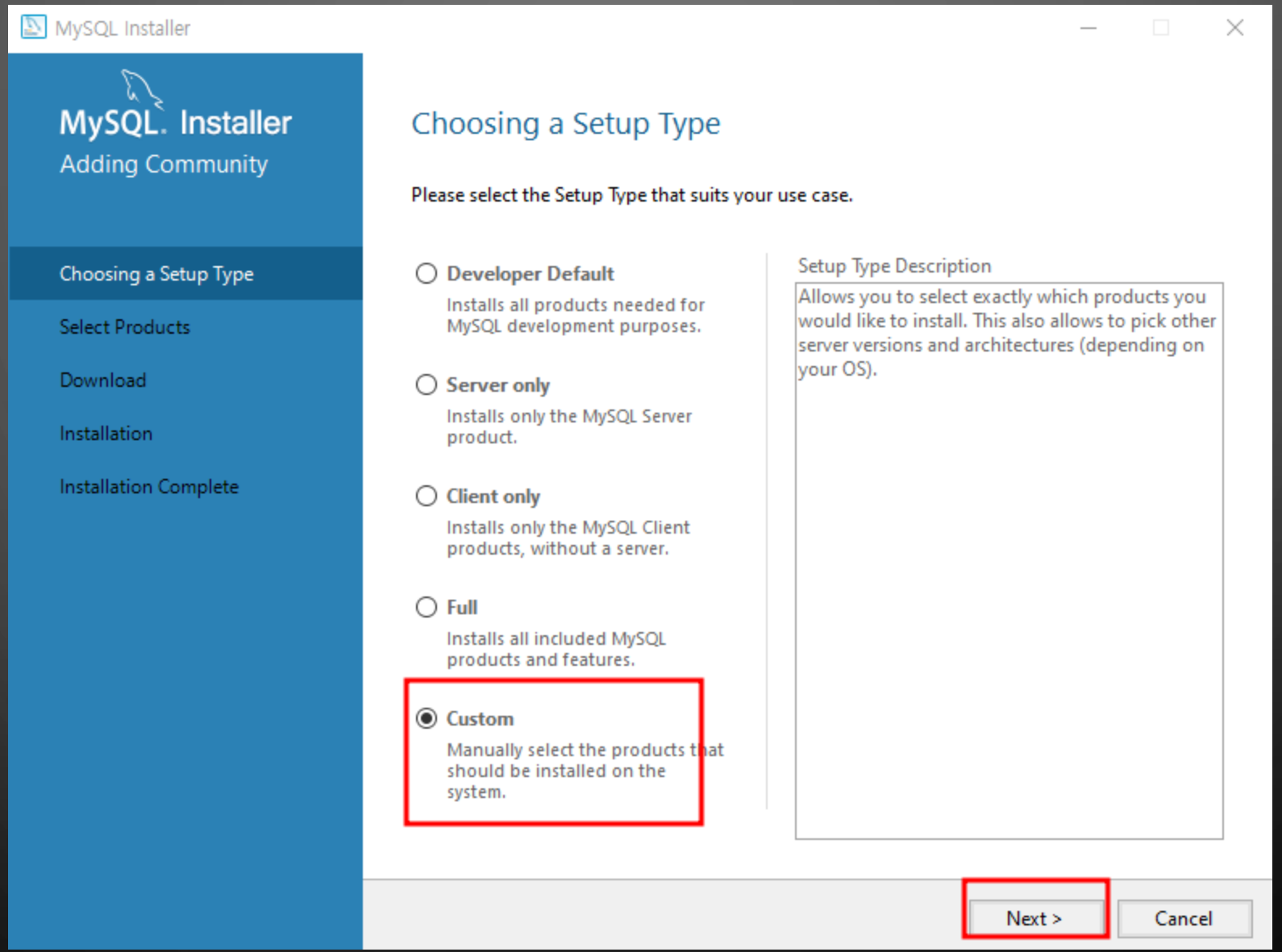
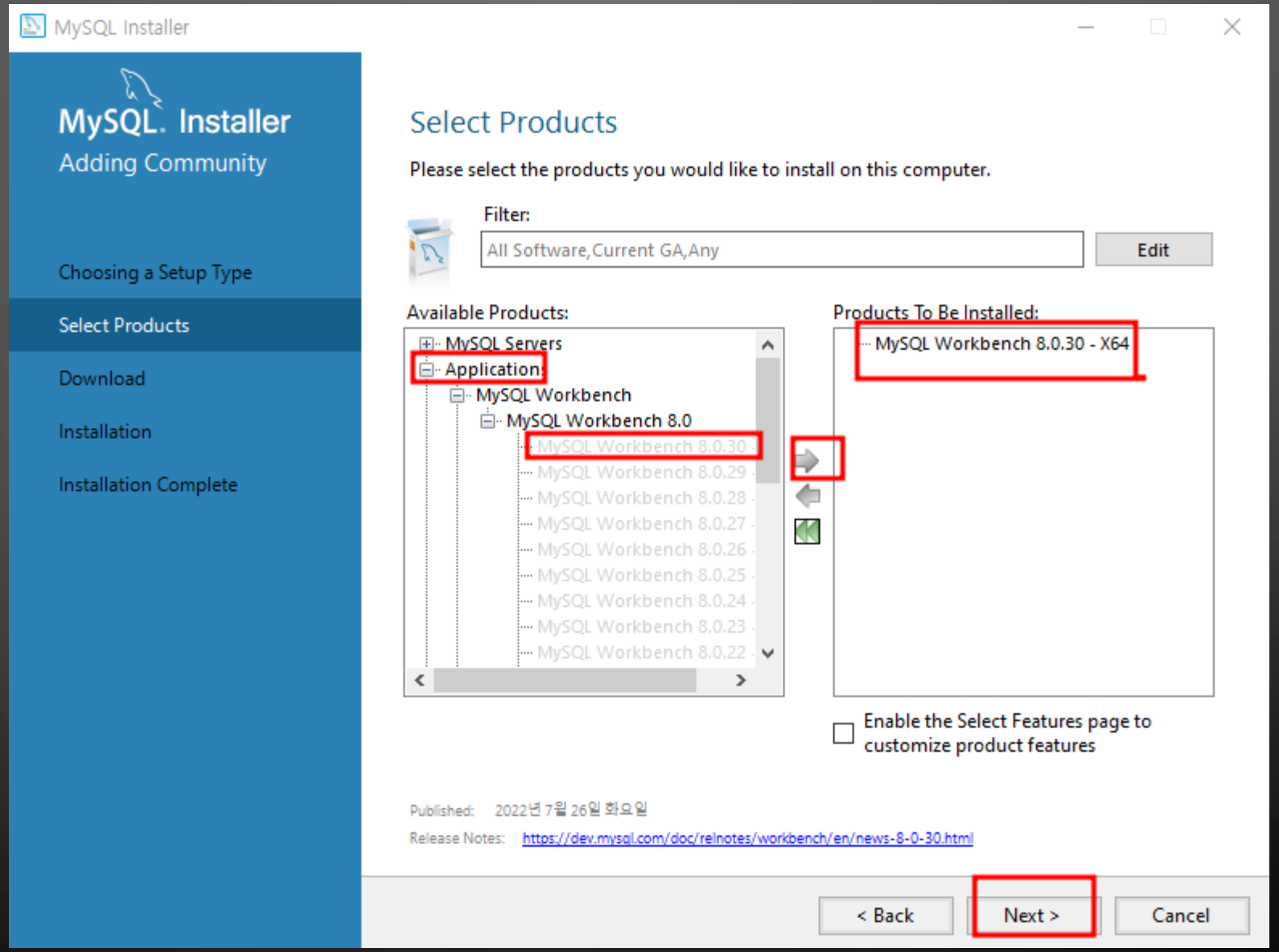
No thanks, just start my download.


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Select Products
Download
Installation
Installation Complete
Choosing a Setup Type
Please select the Setup Type that suits your use case.
Developer Default
Installs all products needed for MySQL development purposes.
Server only
Installs only the MySQL Server product.
Client only
Installs only the MySQL Client products, without a server.
Full
Installs all included MySQL products and features.
Custom
Manually select the products that should be installed on the system.
Setup Type Description
Allows you to select exactly which products you would like to install. This also allows to pick other server versions and architectures (depending on your OS).
Next >
Cancel


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Select Products
Download
Installation
Installation Complete
Select Products
Please select the products you would like to install on this computer.
Filter:
All Software,Current GA,Any
Edit
Available Products:
MySQL Servers
Application
MySQL Workbench
MySQL Workbench 8.0
MySQL Workbench 8.0.30
MySQL Workbench 8.0.29
MySQL Workbench 8.0.28
MySQL Workbench 8.0.27
MySQL Workbench 8.0.26
MySQL Workbench 8.0.25
MySQL Workbench 8.0.24
MySQL Workbench 8.0.23
MySQL Workbench 8.0.22
Products To Be Installed:
MySQL Workbench 8.0.30 - X64
Enable the Select Features page to customize product features
Published: 2022년 7월 26일 화요일
Release Notes: https://dev.mysql.com/doc/relnotes/workbench/en/news-8-0-30.html
< Back
Next >
Cancel

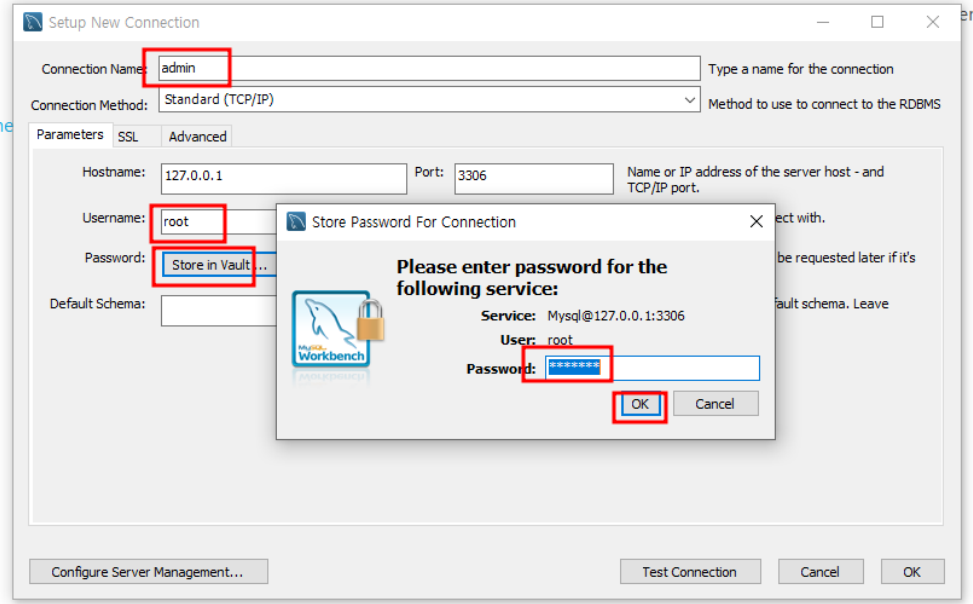
Welcome to MySQL Workbench

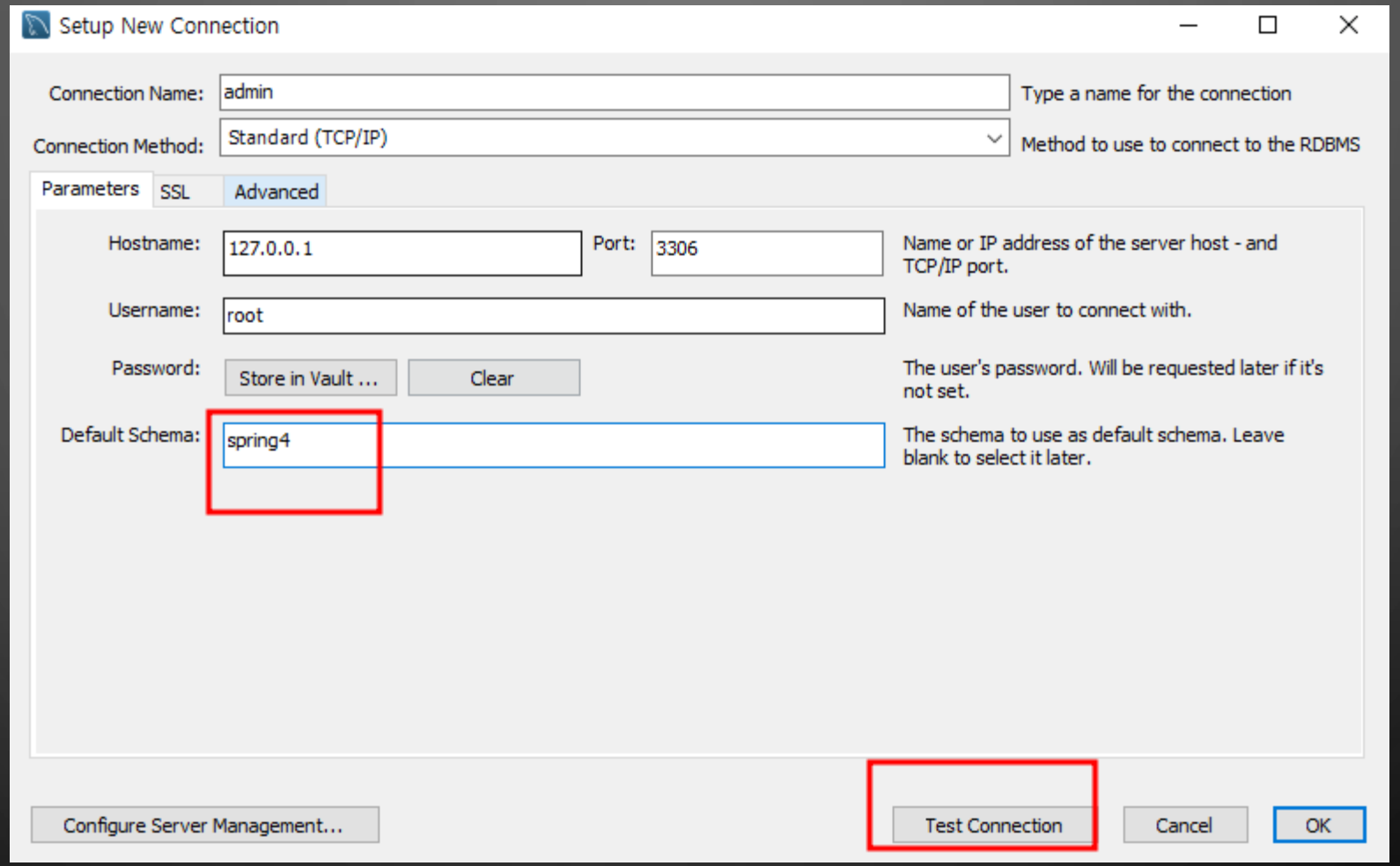
MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as

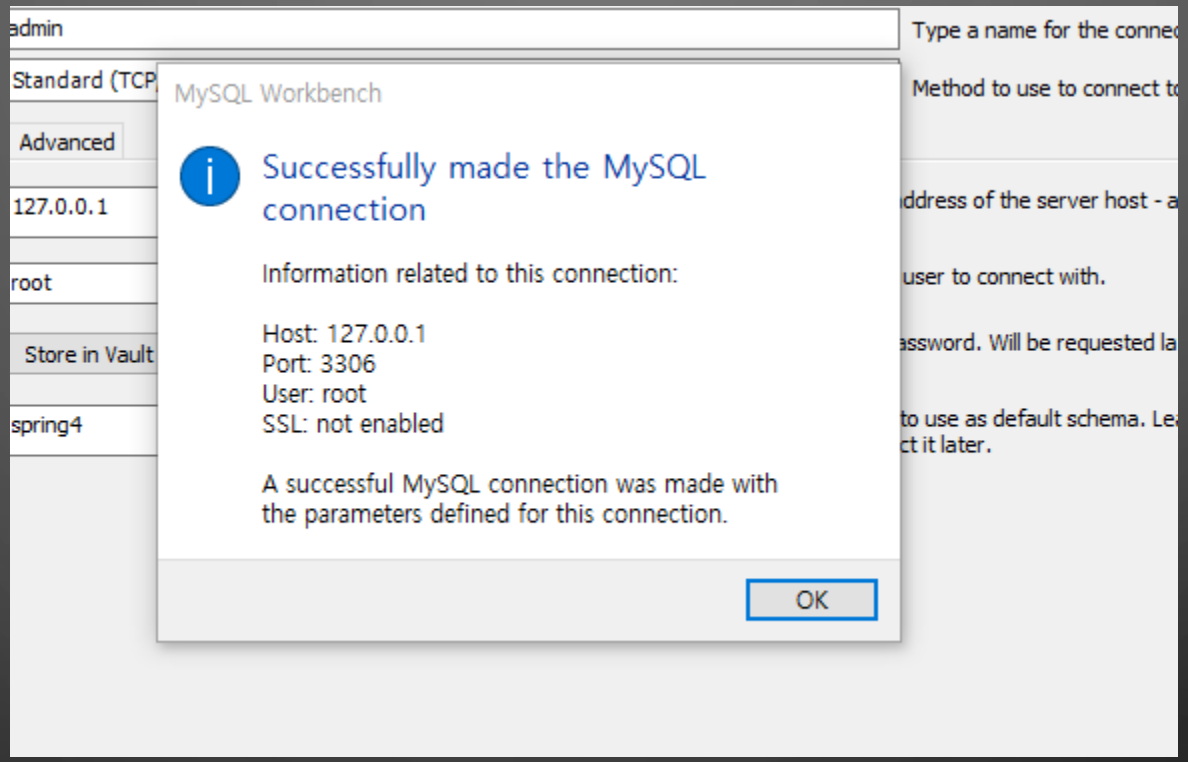
Browse Docume

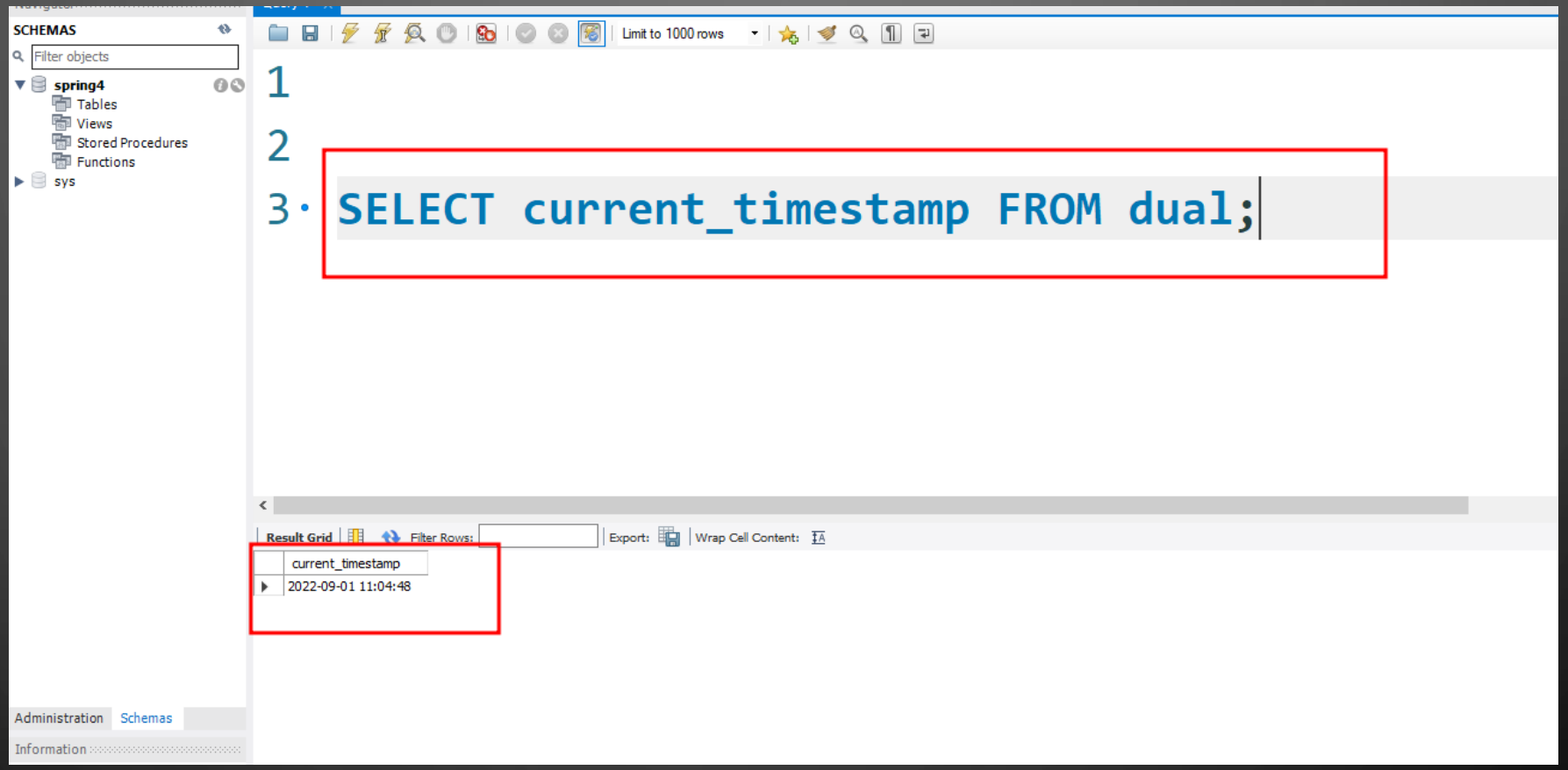
Discuss on the Forums >

MySQL Connections




Setup New Connection
Connection Name:
admin
Type a name for the connection
Connection Method:
Standard (TCP/IP)
Method to use to connect to the RDBMS
Parameters
SSL
Advanced
Hostname:
127.0.0.1
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:
spring4
The schema to use as default schema. Leave blank to select it later.
Configure Server Management...
Test Connection
Cancel
OK


admin
Type a name for the connec
Standard (TCP
Method to use to connect to
Advanced
127.0.0.1
ddress of the server host - a
root
user to connect with.
Store in Vault
assword. Will be requested la
spring4
to use as default schema. Le
ct it later.
MySQL Workbench
Successfully made the MySQL connection
Information related to this connection:
Host: 127.0.0.1
Port: 3306
User: root
SSL: not enabled
A successful MySQL connection was made with the parameters defined for this connection.
OK


SCHEMAS
Filter objects
spring4
Tables
Views
Stored Procedures
Functions
sys
Administration
Schemas
Information
Limit to 1000 rows
1
2
3
SELECT current_timestamp FROM dual;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
current_timestamp
2022-09-01 11:04:48