

Bài 1

Cài đặt MySQL trên Windows

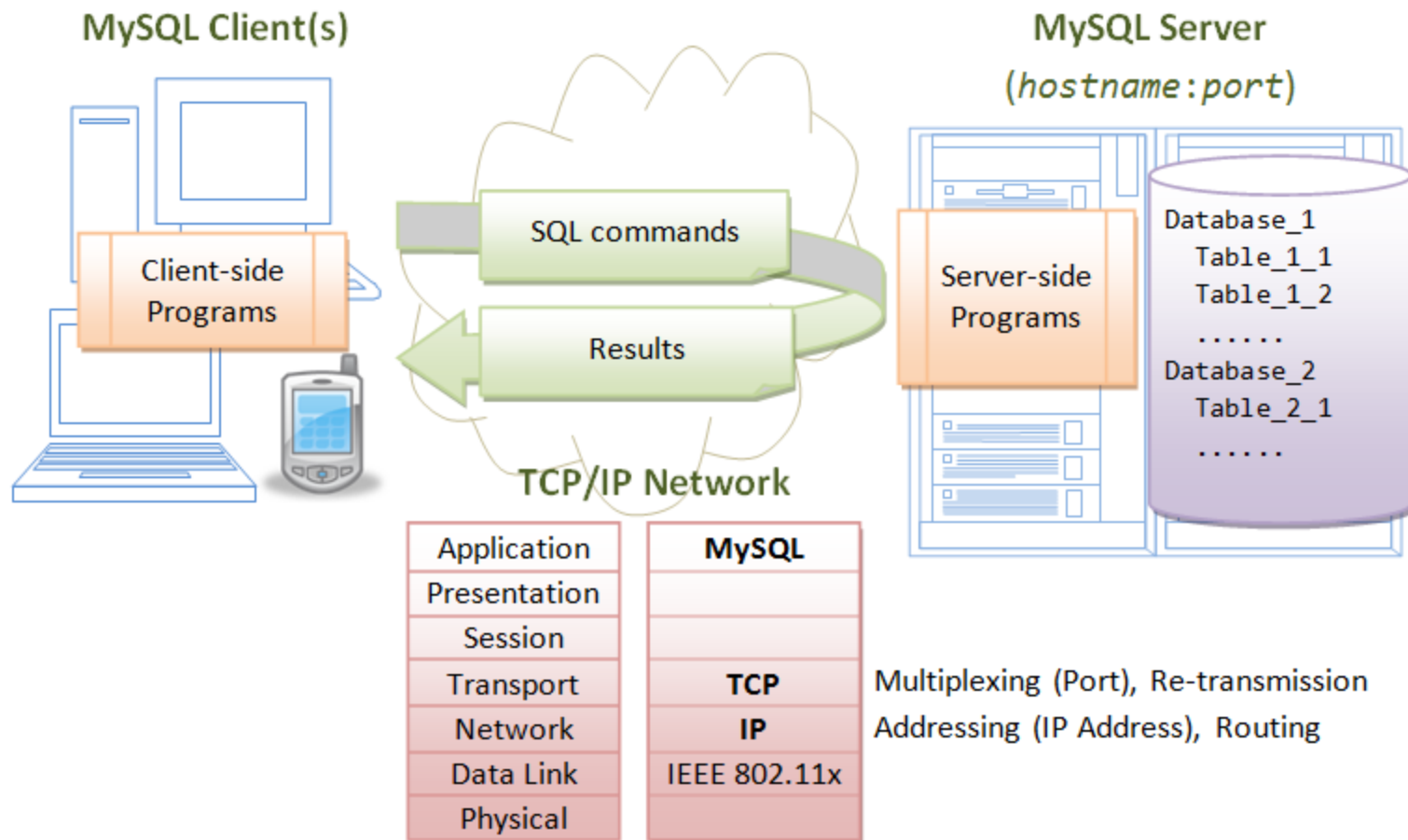
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(Cập nhật tháng 9/2024)

Giới thiệu

- MySQL là Hệ Quản trị Cơ sở dữ liệu (DBMS – Database Management System).
- Mã nguồn mở
- Phiên bản
- Hỗ trợ Windows, Ubuntu, Centos, ...
- Gồm các thành phần
 - Server
 - Client




Lưu ý trước khi cài

- MySQL for Visual Studio yêu cầu phải có Visual Studio 2015, hoặc 2017, hoặc 2019 phải được cài đặt trước.
- Nếu chưa có thì tải về từ <https://www.microsoft.com/en-gb/download/details.aspx?id=40784>
(địa chỉ trên có thể bị thay đổi)

Máy của bạn sử dụng Windows 32-bits hay 64-bits?

- Control Panel > Systems and Security > System
(Hoặc Control Panel > System > About)

System

Rating:  [Windows Experience Index](#)

Processor: Intel(R) Core(TM)2 Duo CPU P8700 @ 2.53GHz 2.53 GHz

Installed memory (RAM): 2.00 GB

System type: 32-bit Operating System

Pen and Touch: No Pen or Touch Input is available for this Display

Computer name, domain, and workgroup settings

Windows 7

Device specifications

| | |
|---------------|---|
| Device name | WINDOWS-1VU3FBD |
| Processor | Intel(R) Core(TM) i7-6820HQ CPU @ 2.70GHz 2.70 GHz |
| Installed RAM | 16.0 GB (15.9 GB usable) |
| Device ID | 78E910A3-7C35-4C9A-B3F4-2147D023DD30 |
| Product ID | 00330-50287-93588-AAOEM |
| System type | 64-bit operating system, x64-based processor |
| Pen and touch | Touch support with 10 touch points |

Windows 10

Các bước tiến hành

- Bước 1:
 - a. Tải MySQL Installer for Windows.
 - b. Cài đặt MySQL Installer và MySQL Server
- Bước 2: Tải và cài đặt thêm các phần mềm khác theo nhu cầu:
 - MySQL Workbench
 - MySQL Notifier
 - ...

Bước 1: Tải và cài đặt MySQL Installer for Windows

- <https://dev.mysql.com/downloads/>
- 1.a. Chọn và tải bản MySQL Installer phù hợp

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases

Archives



MySQL Installer 8.0.39



Note: MySQL 8.0 is the final series with MySQL Installer. As of MySQL 8.1, use a MySQL product's MSI or Zip archive for installation. MySQL Server 8.1 and higher also bundle MySQL Configurator, a tool that helps configure MySQL Server.

Select Version:

8.0.39

Select Operating System:

Microsoft Windows



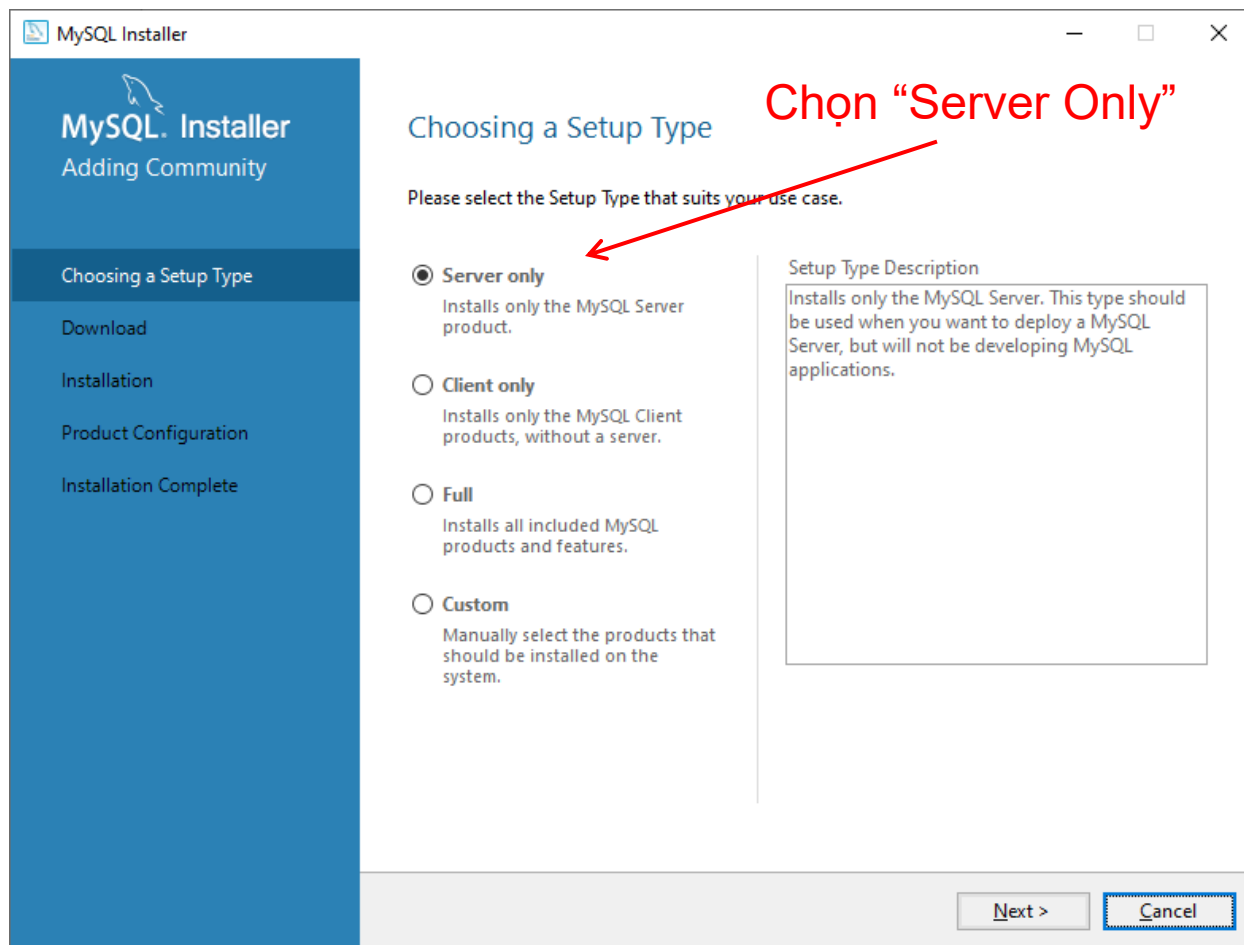
| | | | |
|---|--------|---|--------------------------|
| Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.39.0.msi) | 8.0.39 | 2.1M | Download |
| | | MD5: d8499da0b2c4b5dfa81a5c5185af9238 Signature | |
| Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.39.0.msi) | 8.0.39 | 303.6M | Download |
| | | MD5: 353c5e5ab9350d0e9ddcb42264229b5d Signature | |

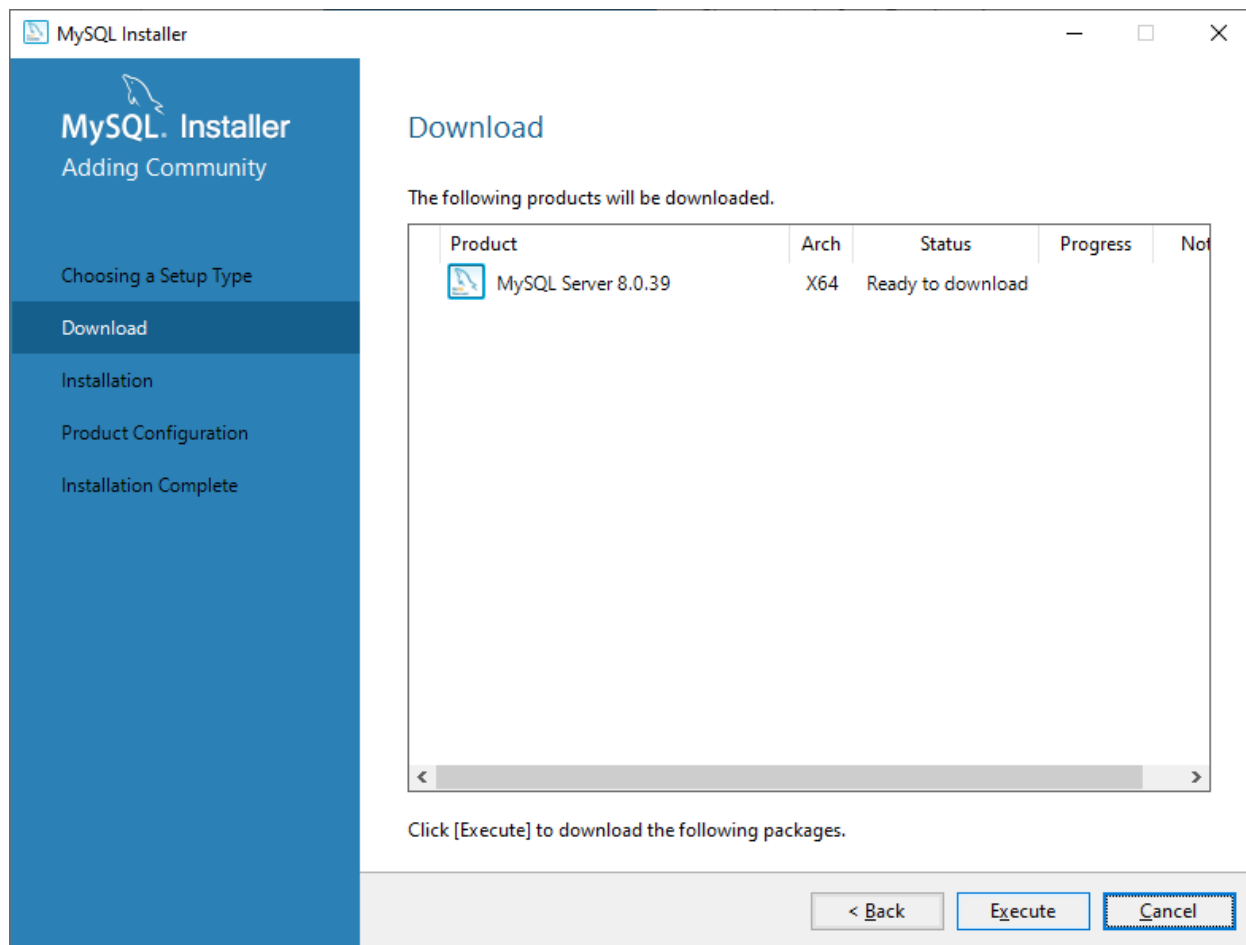


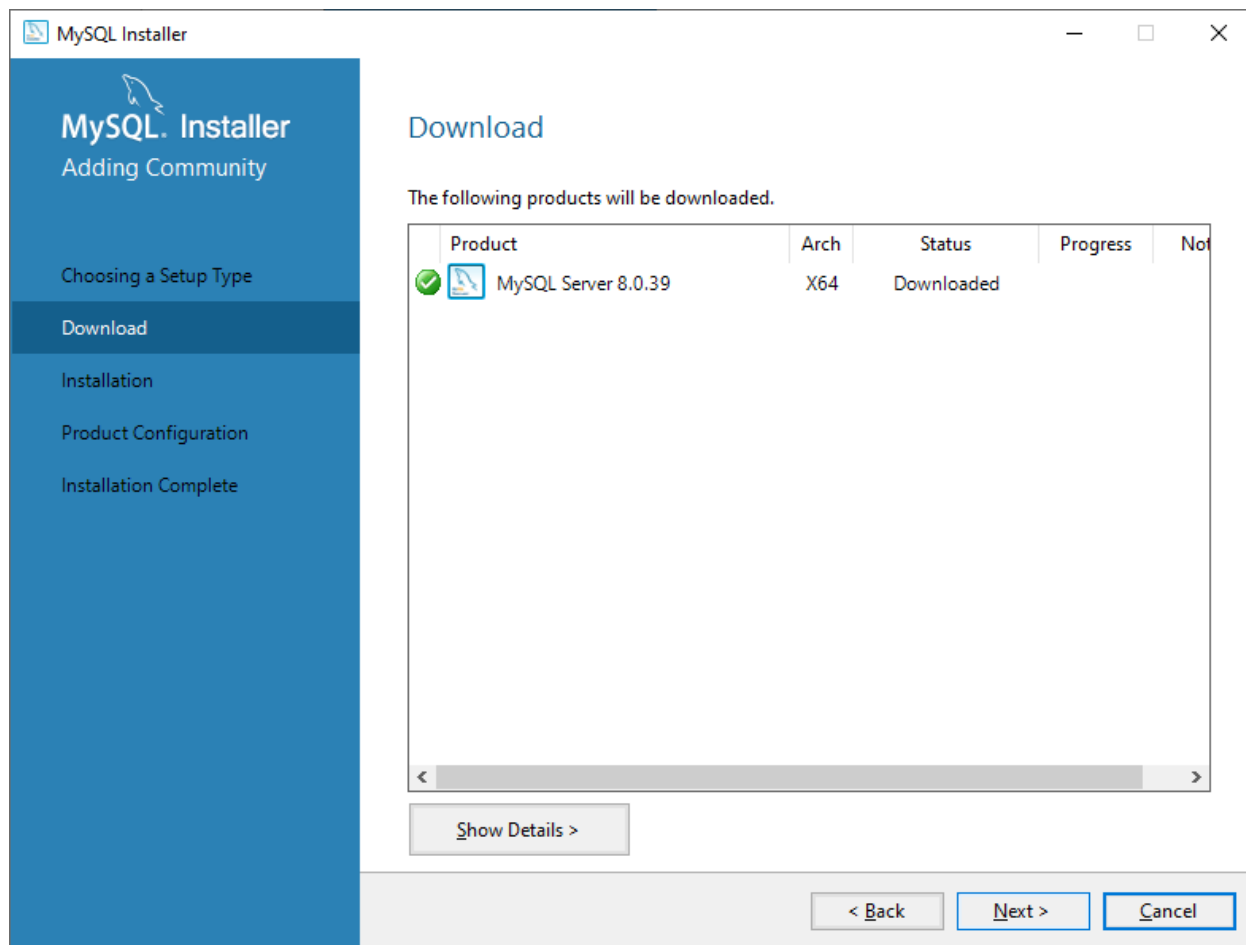
We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

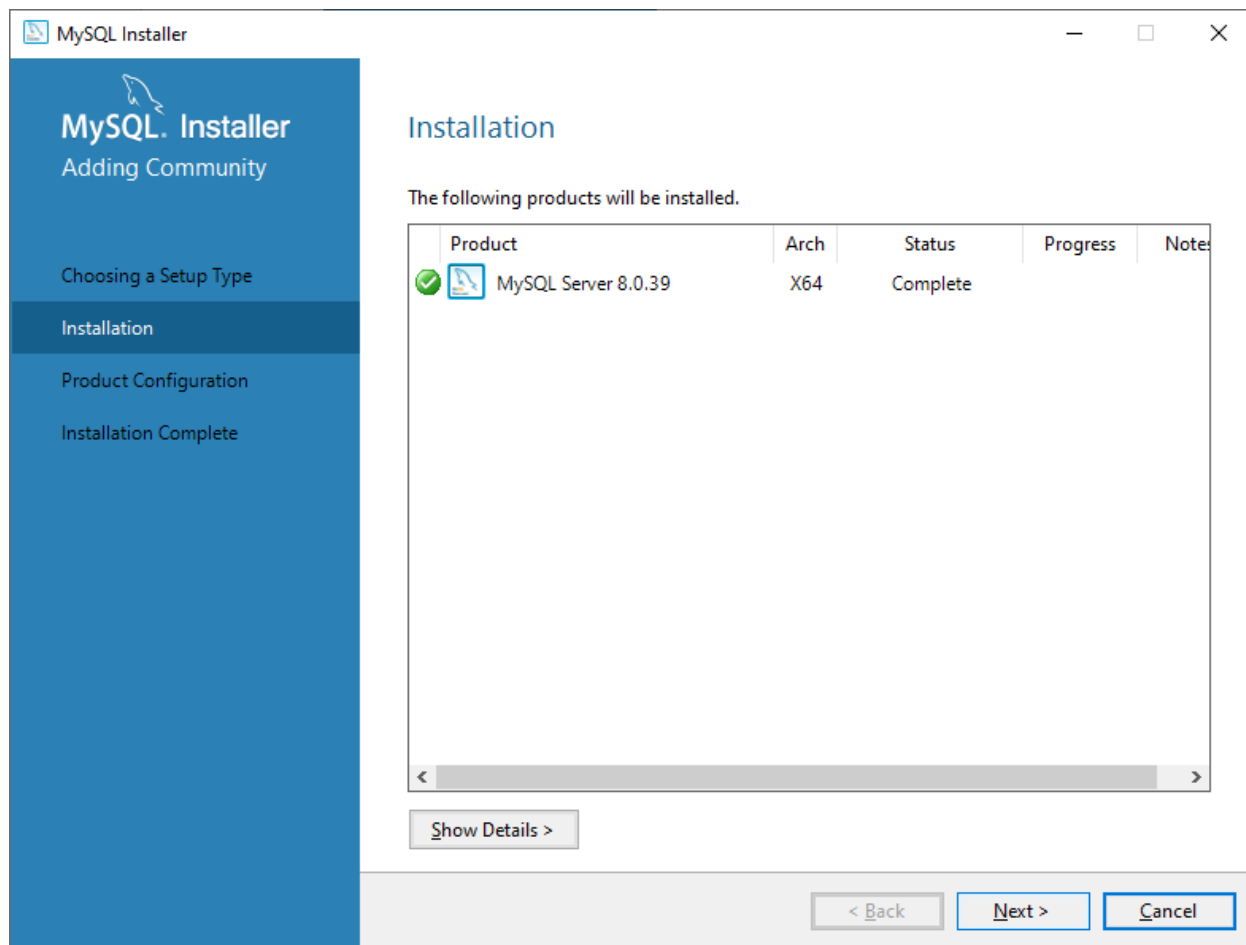
Bước 1: Tải và cài đặt MySQL Installer for Windows

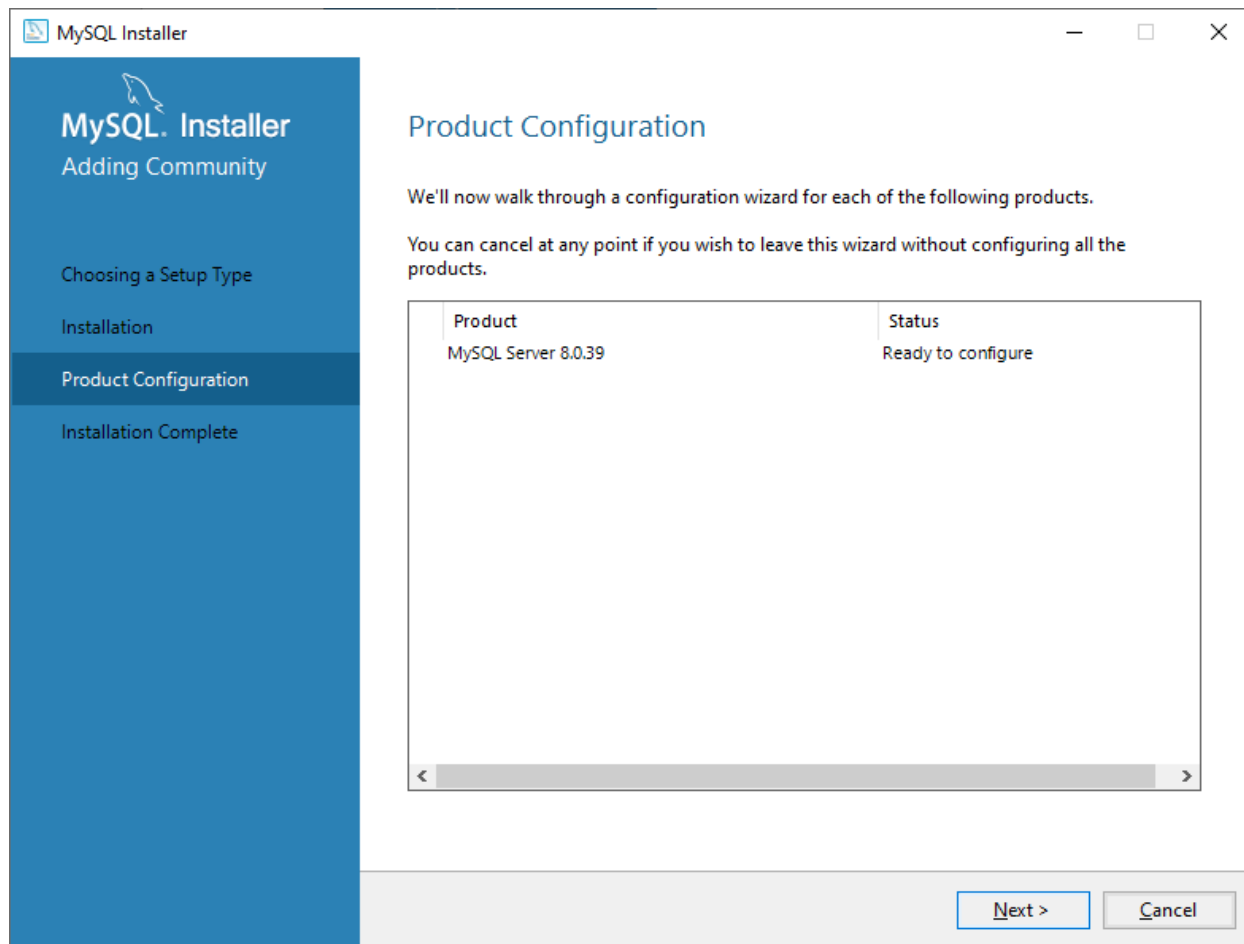
- 1.b. Cài đặt MySQL Installer
 - Chạy file tải về, VD `mysql-installer-web-community-8.0.39.0.msi`











MySQL Installer

MySQL Server 8.0.39

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply 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 Computer

Connectivity

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

☒ TCP/IP Port: 3306 X Protocol Port: 33060

☒ Open Windows Firewall ports for network access

☐ Named Pipe Pipe Name: MYSQL

☐ Shared Memory Memory Name: MYSQL

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

Next > Cancel

MySQL Installer

MySQL Server 8.0.39

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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 User Name | Host | User Role |
|-----------------|------|-----------|
|-----------------|------|-----------|

Add User

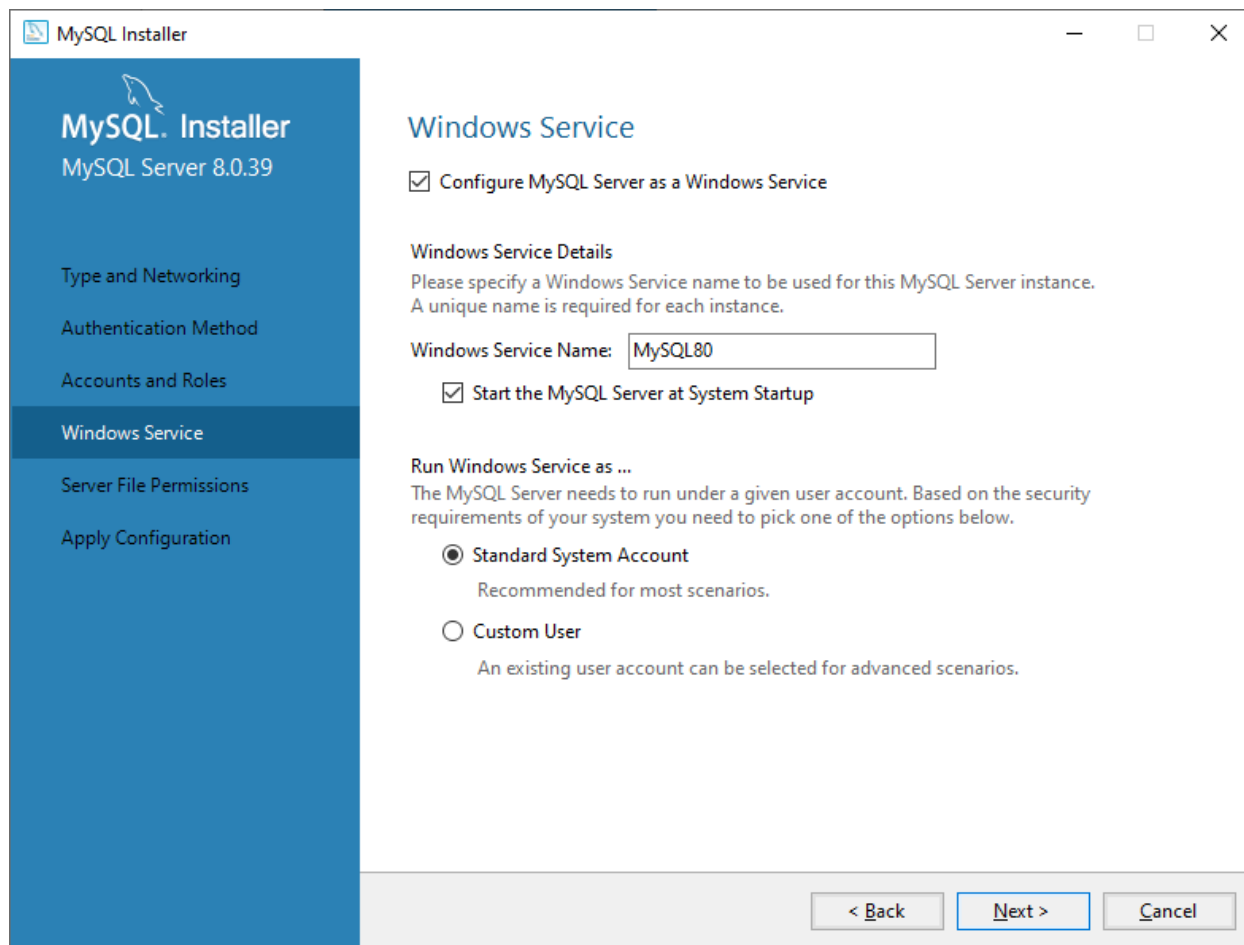
Edit User

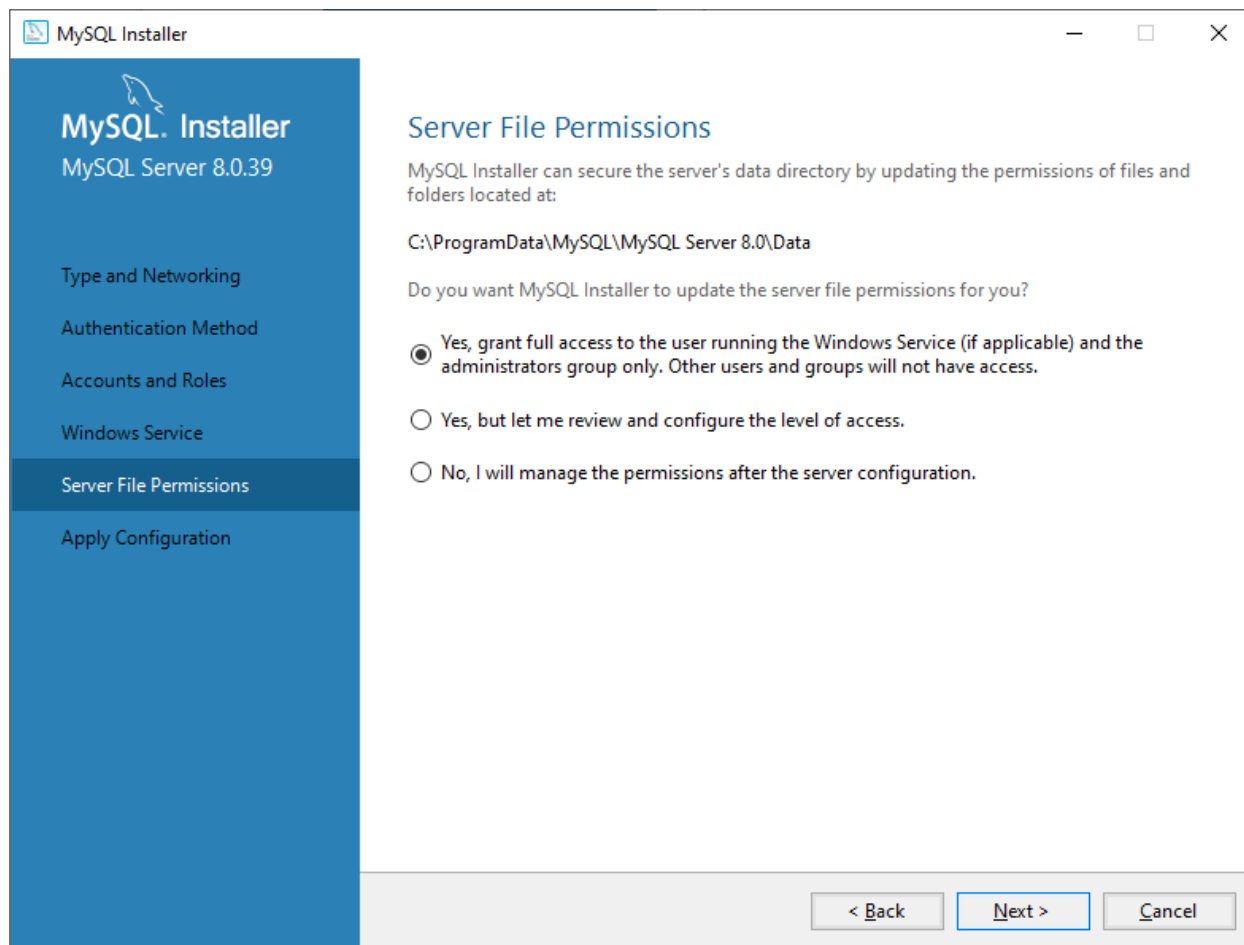
Delete

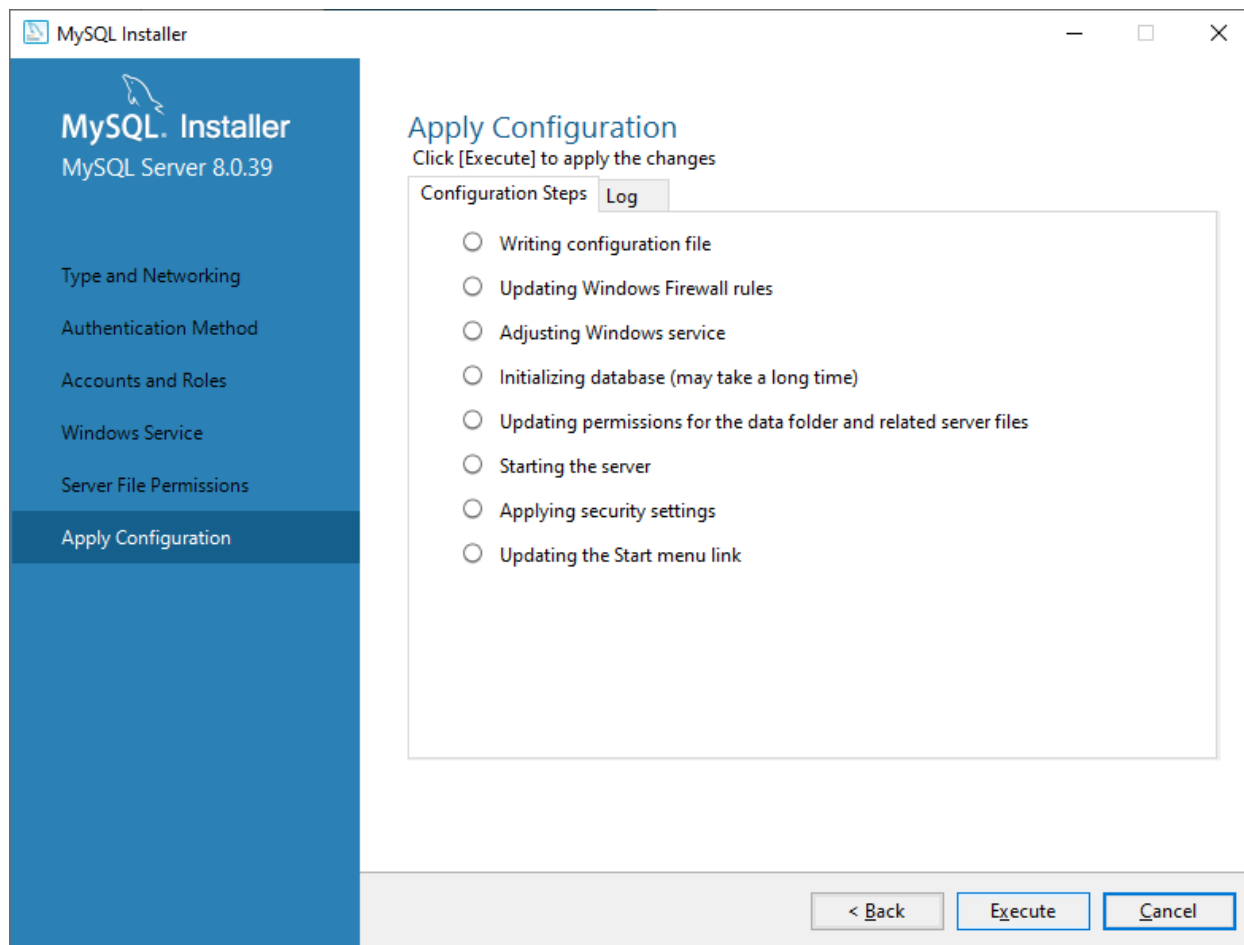
< Back

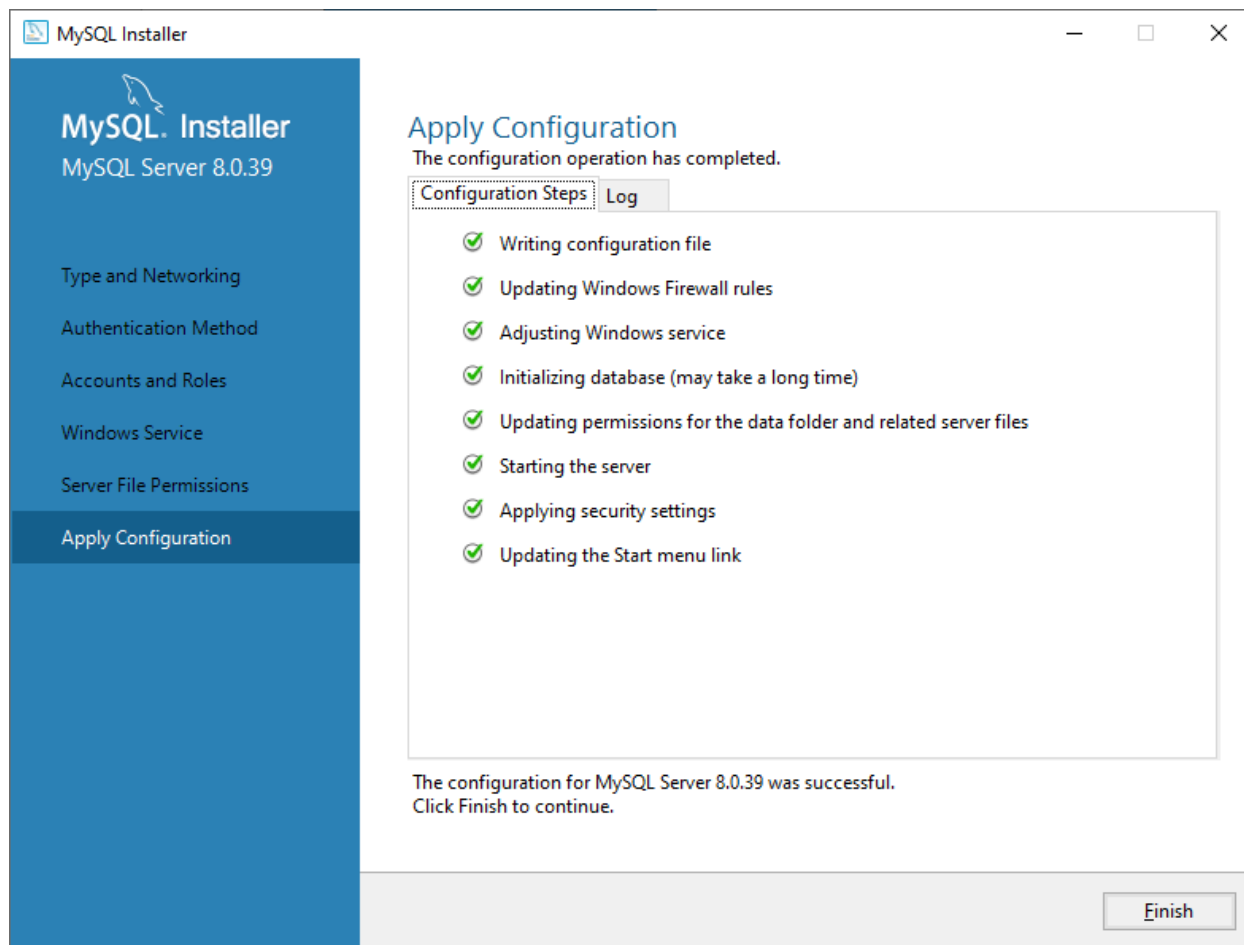
Next >

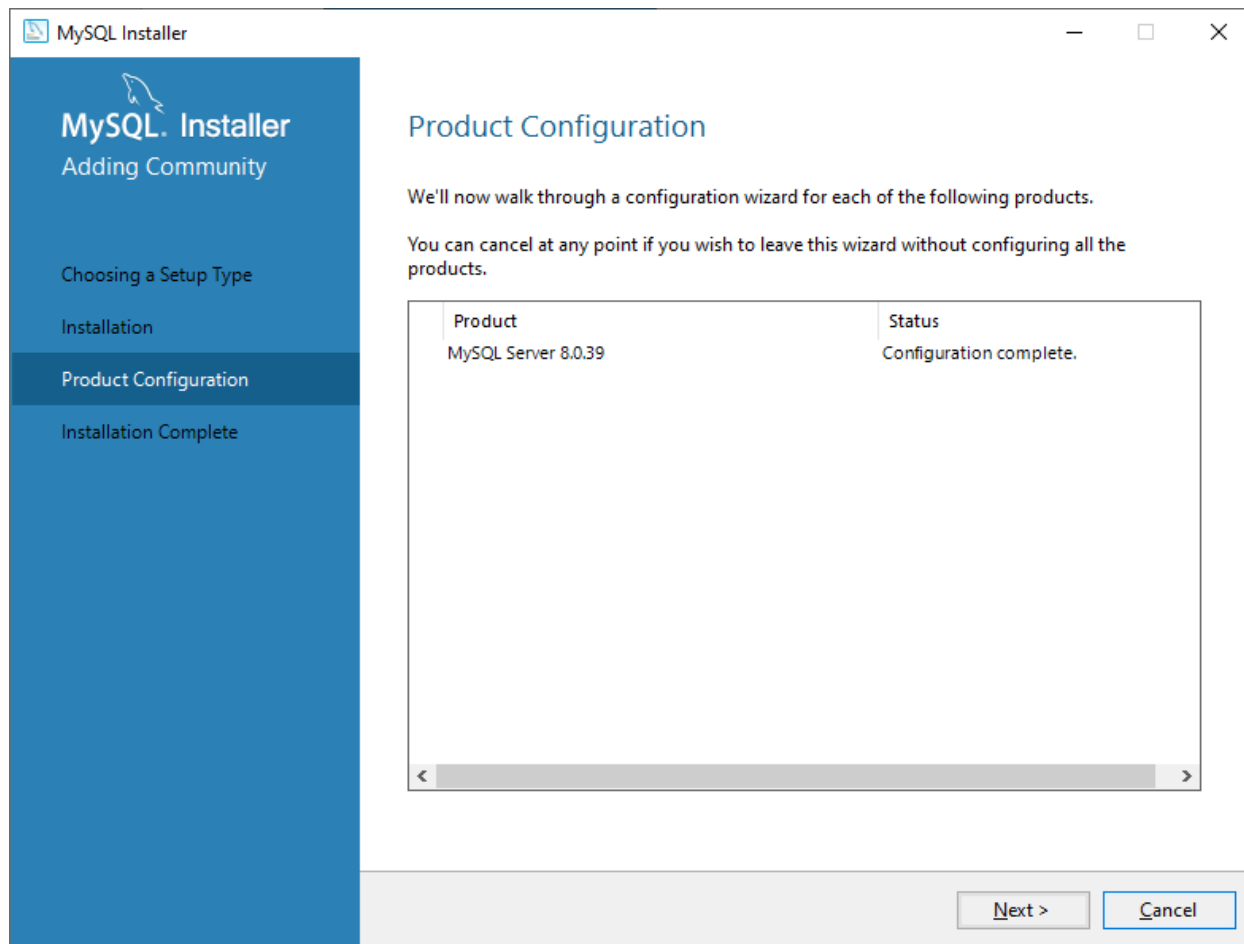
Cancel

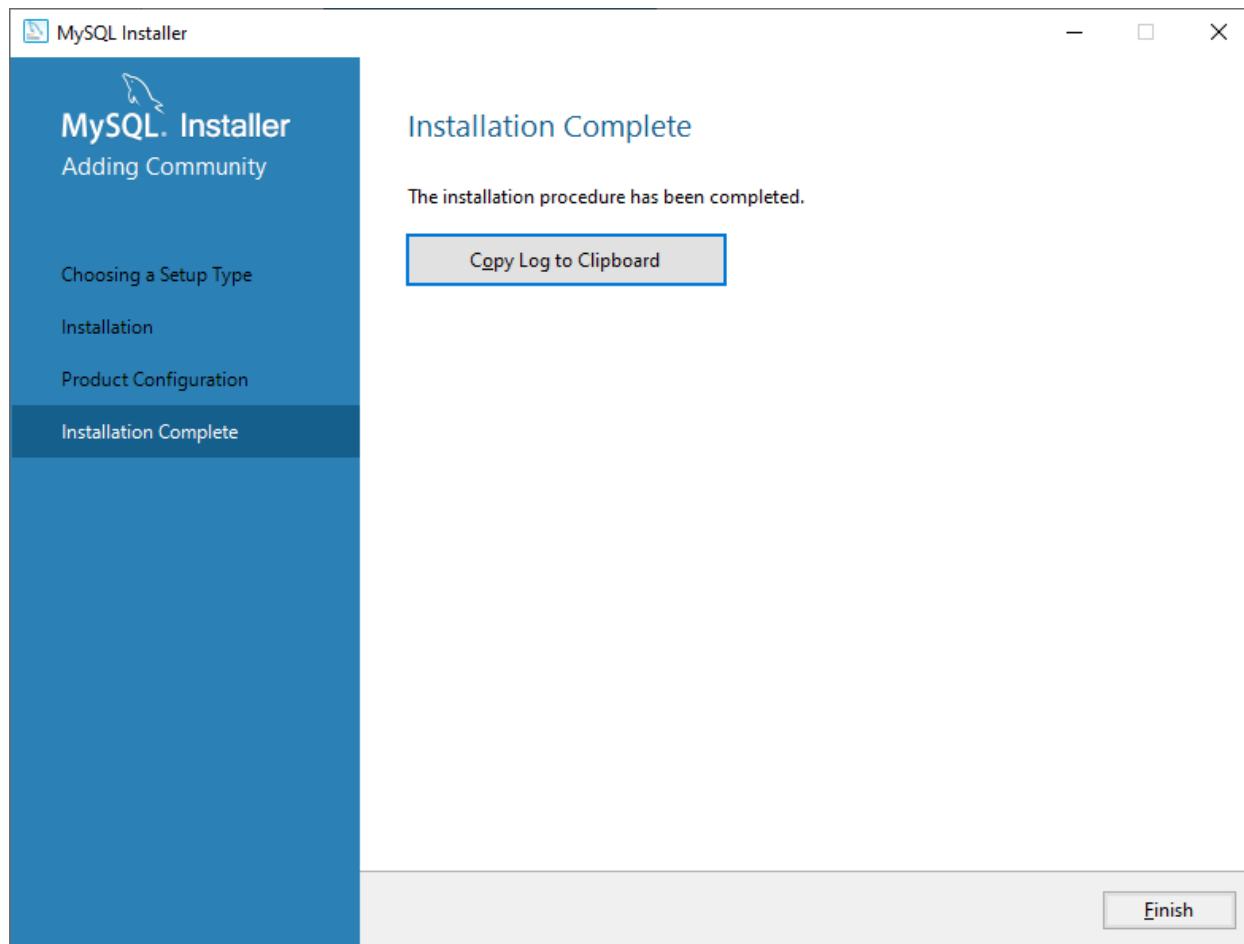








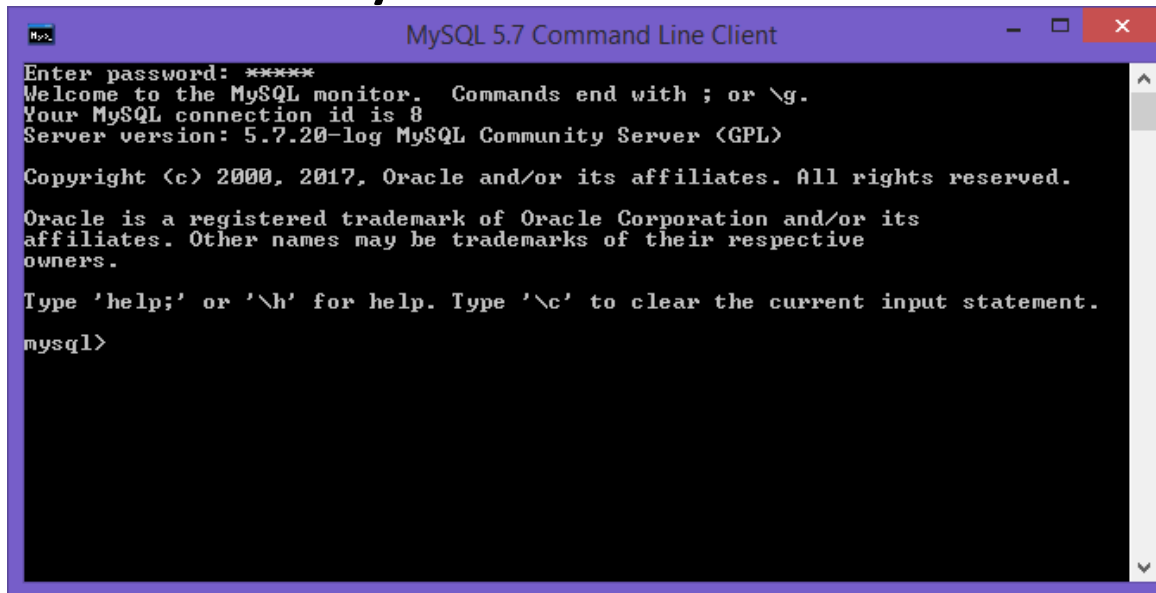




Kiểm tra cài thành công MySQL Server

- Service MySQL được started
- Chạy MySQL 8.x Command Line Client
- Gõ vào cửa sổ lệnh password của root để kết nối vào MySQL Server

Cài đặt thành công



```
MySQL 5.7 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 5.7.20-log MySQL Community Server (GPL)

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owners.

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

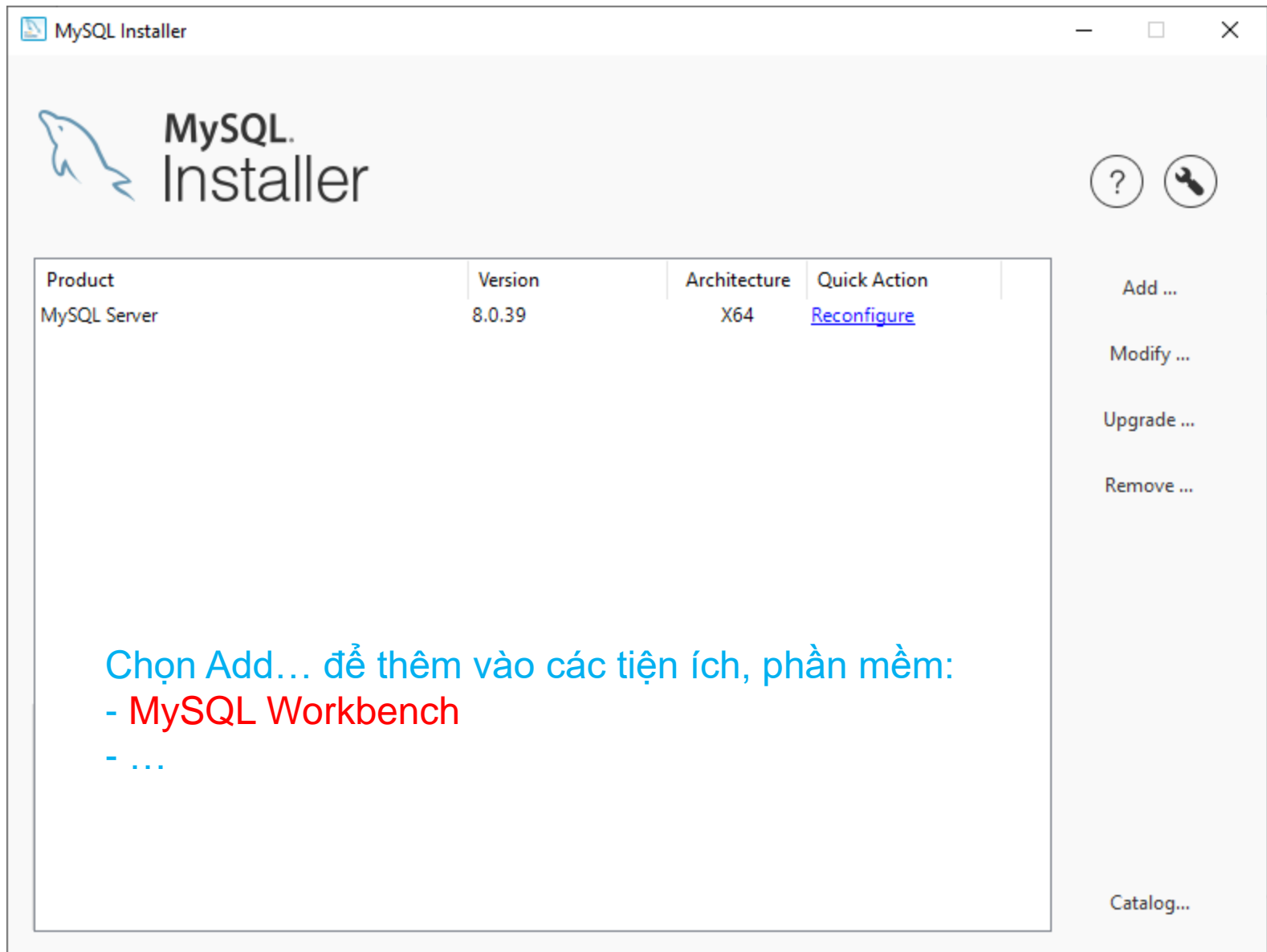
mysql>
```

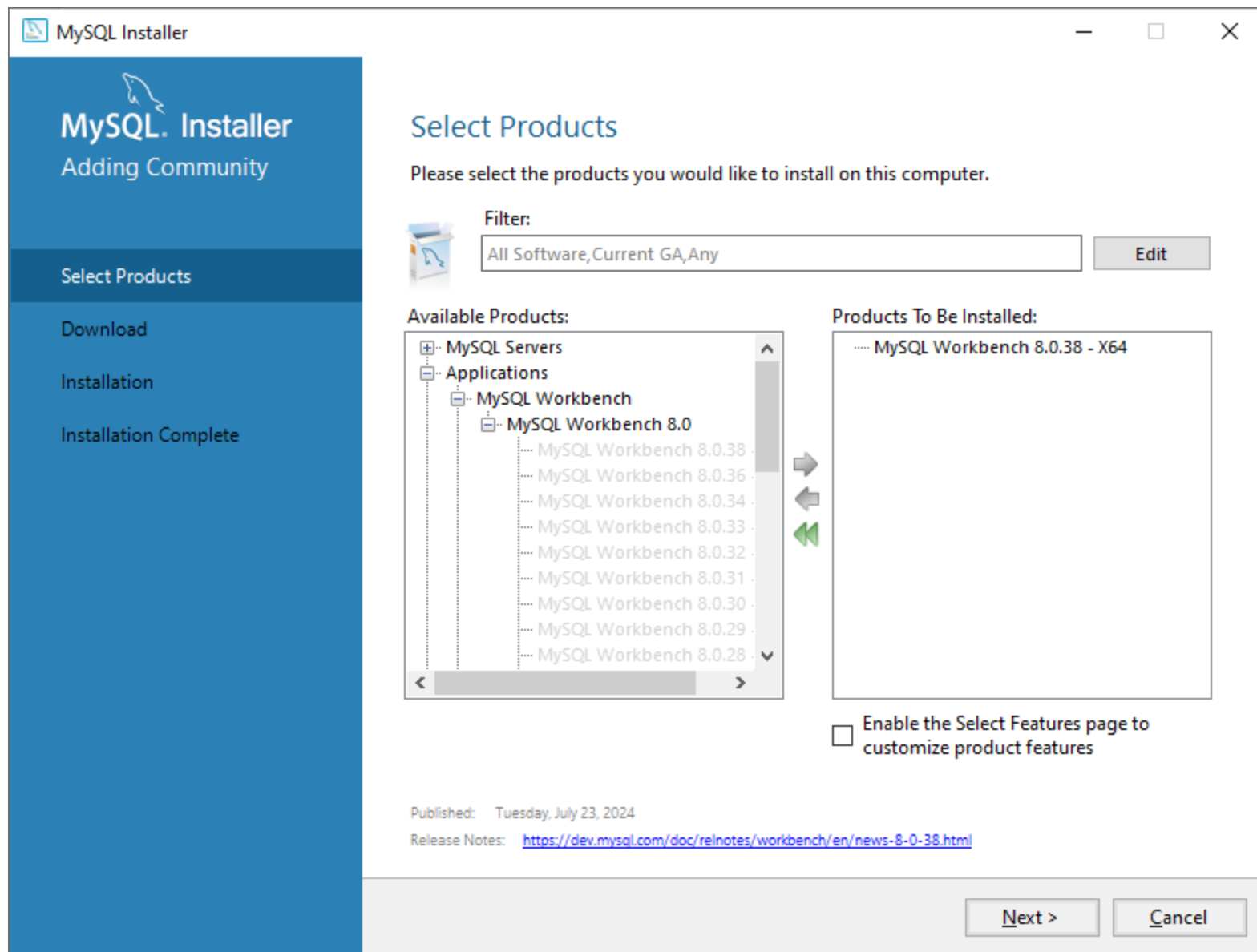
Tại dấu đợi lệnh,
gõ vào \q để thoát:

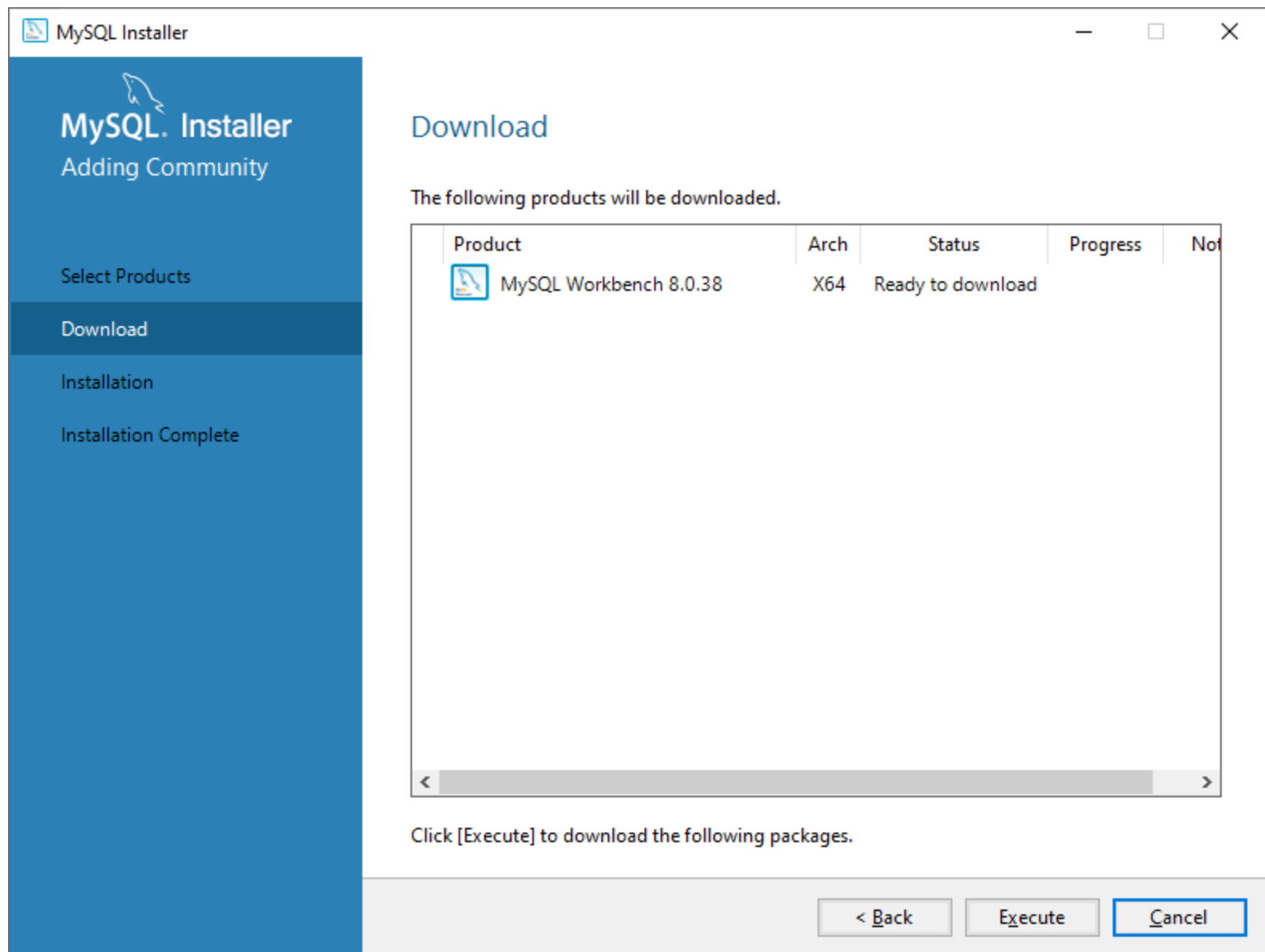
mysql> \q

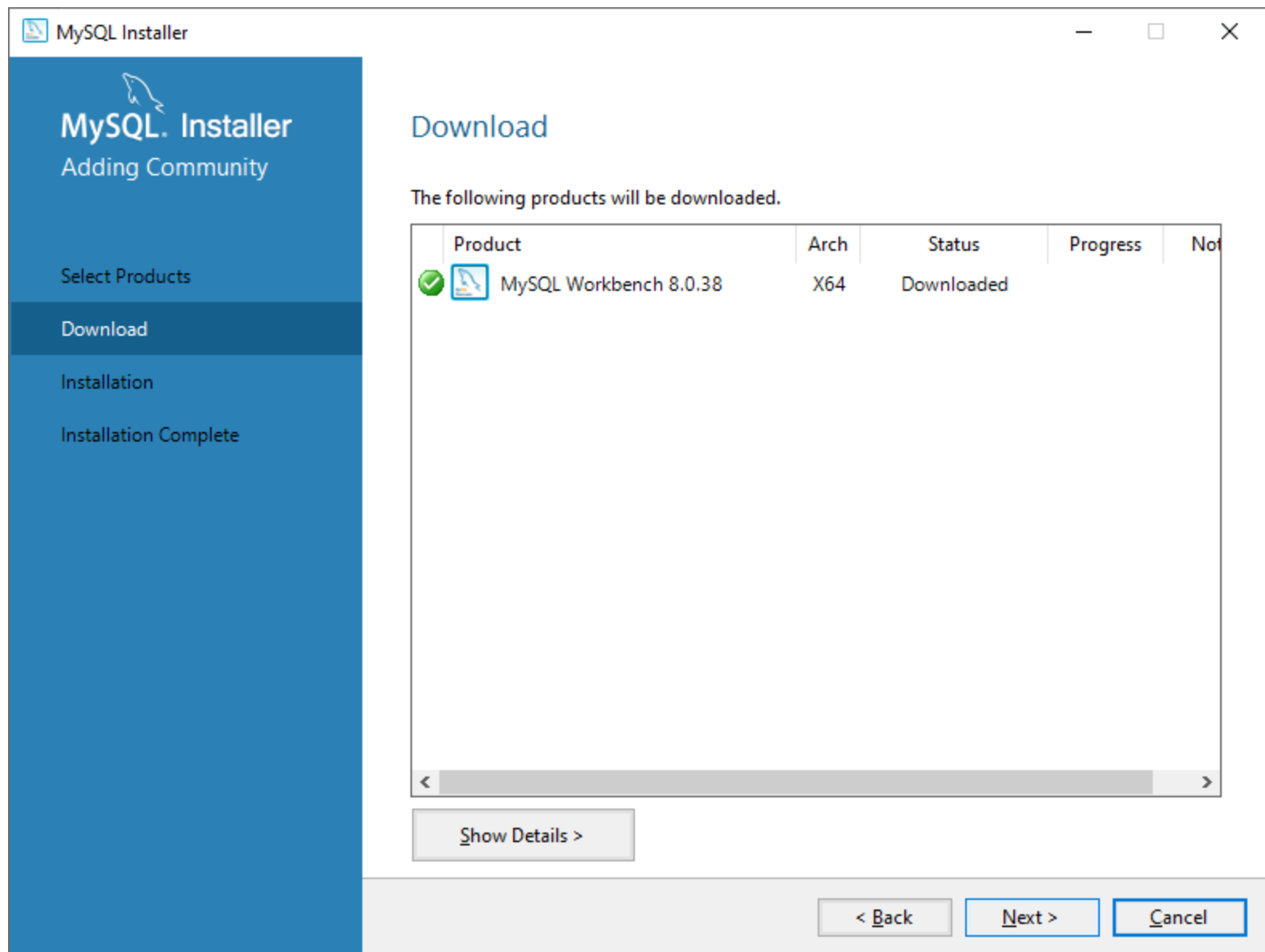
Bước 2: Cài thêm các phần mềm khác theo nhu cầu từ MySQL Installer

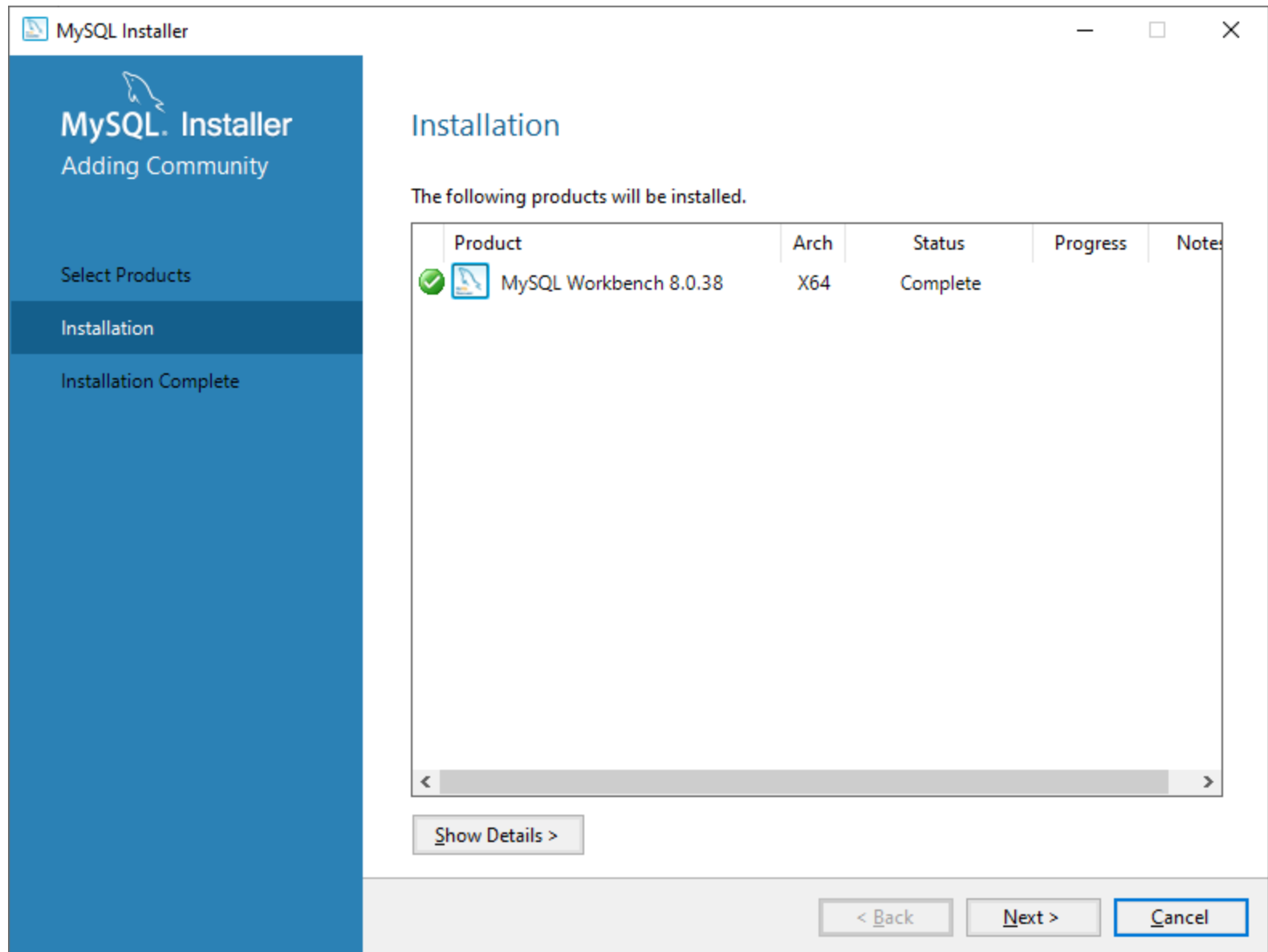
- Chạy MySQL Installer

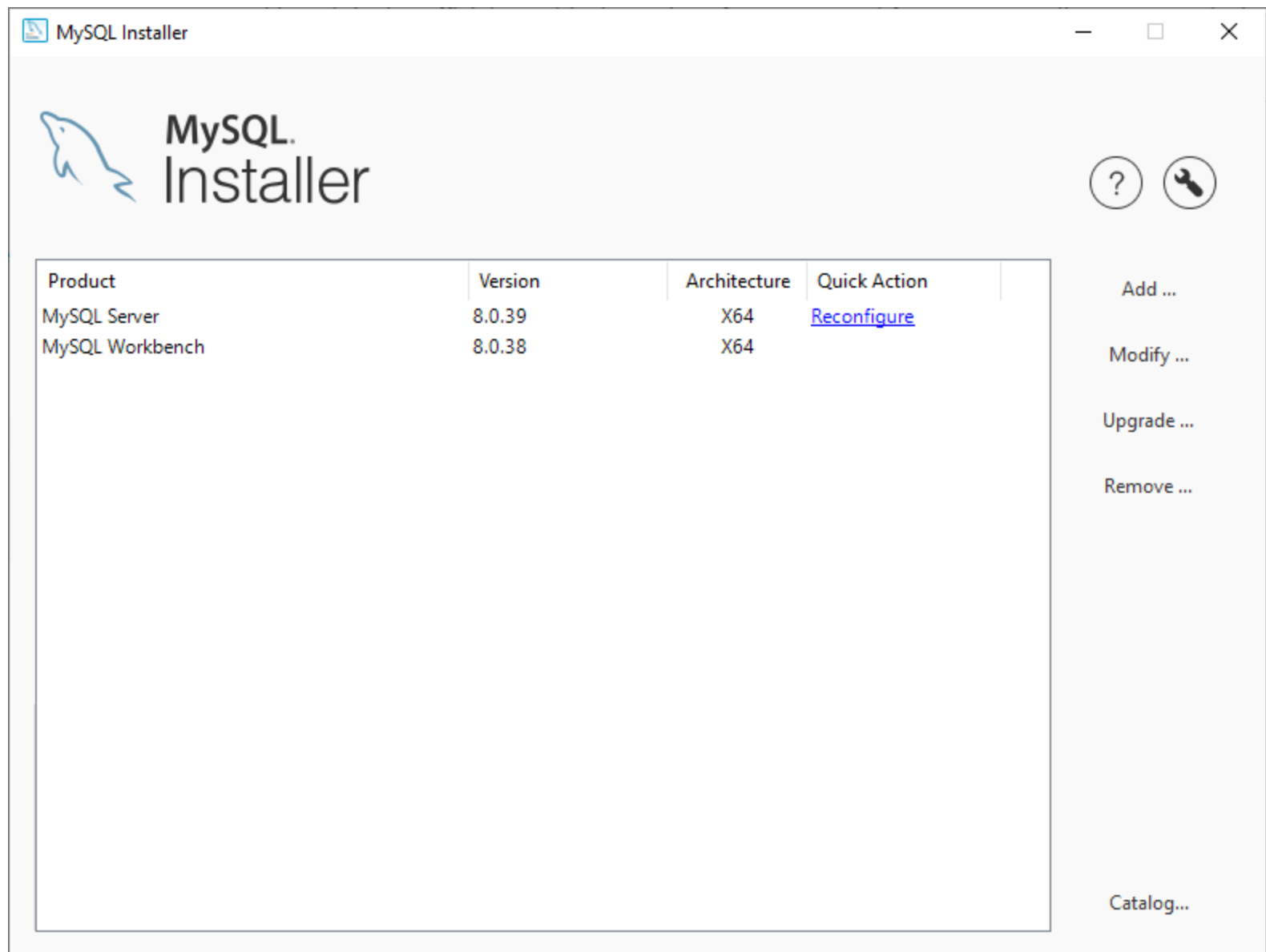












LAB 1.1

1. Tải và cài đặt MySQL lên máy của bạn
 1. MySQL Server
 2. MySQL Workbench
 3. MySQL Notifier
2. Gỡ bỏ bản mới cài đặt
3. Tải và cài đặt lại MySQL => viết báo cáo