

1. 데이터베이스

소개 및 설치



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- 09. MySQL Configuration File

03. MySQL 8 Community 설치

1. OS 별 다운로드
2. MySQL 윈도우즈 설치(Windows 10)

■ Windows : MySQL 다운로드

- <http://dev.mysql.com/downloads/mysql/>

■ Linux

- <http://dev.mysql.com/downloads/mysql/>
- 배포본에 따라 rpm, deb 설치

■ MacOS

- <http://dev.mysql.com/downloads/mysql/>
- Homebrew 로 설치

1 MySQL Community 설치

■ <http://dev.mysql.com/downloads/mysql/>

○ 로그인 혹은 비-로그인 다운로드 가능

The screenshot shows the MySQL Community Downloads page. On the left, there's a sidebar with a login/sign-up section and a 'No thanks, just start my download.' link. The main content area is titled 'MySQL Community Downloads' and features a 'Login Now or Sign Up for a free account.' section. Below this, there's a list of advantages of having an Oracle Web Account. The main download section is titled 'MySQL Community Server 8.0.21' and includes a 'Select Operating System:' dropdown menu set to 'Microsoft Windows'. A red callout bubble points to this dropdown with the text 'OS 선택후 버전과 지원 비트 확인후 다운로드'. Below the dropdown, there's a 'Recommended Download:' section for 'MySQL Installer for Windows' with a 'Go to Download Page >' button. At the bottom, there's an 'Other Downloads:' section with a table listing the 'Windows (x86, 64-bit), ZIP Archive' download.

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.](#)

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General Availability (GA) Releases Archives

MySQL Community Server 8.0.21

Select Operating System:
Microsoft Windows

Looking for previous versions?

Recommended Download:

MySQL Installer for Windows

All MySQL Products. For All Windows Platforms. In One Package.

Starting with MySQL 5.6 the MySQL Installer package replaces the standalone MSI packages.

Windows (x86, 32 & 64-bit), MySQL Installer MSI [Go to Download Page >](#)

Other Downloads:

Windows (x86, 64-bit), ZIP Archive	8.0.21	111.1M	Download
(mysql-8.0.21-winx64.zip)			

MDS: 06d745c77b254e168807bdc2f5245352 | [Signature](#)

2

MySQL 윈도우즈 설치

■ 윈도우즈 설치[1]

○최신 8 버전 다운로드 가능

General Availability (GA) Releases Archives

MySQL Community Server 8.0.21

Select Operating System: Looking for previous versions?

Microsoft Windows

Recommended Download:

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Other Downloads:

Windows (x86, 64-bit), ZIP Archive	8.0.21	111.1M
(mysql-8.0.21-winx64.zip)	MD5: 06d745c77b254e160807bd	

MySQL :: Download MySQL Inst x +

dev.mysql.com/downloads/windows/inst...

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases Archives

MySQL Installer 8.0.21

Select Operating System: Looking for previous GA versions?

Microsoft Windows

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.21.0.msi)	8.0.21	24.5M	Download
		MD5: cf2b46ba35a4443f41fb8e94a0e91d93 Signature	
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.21.0.msi)	8.0.21	427.6M	Download
		MD5: b52294aa854356c266e9a9aec737ba08 Signature	

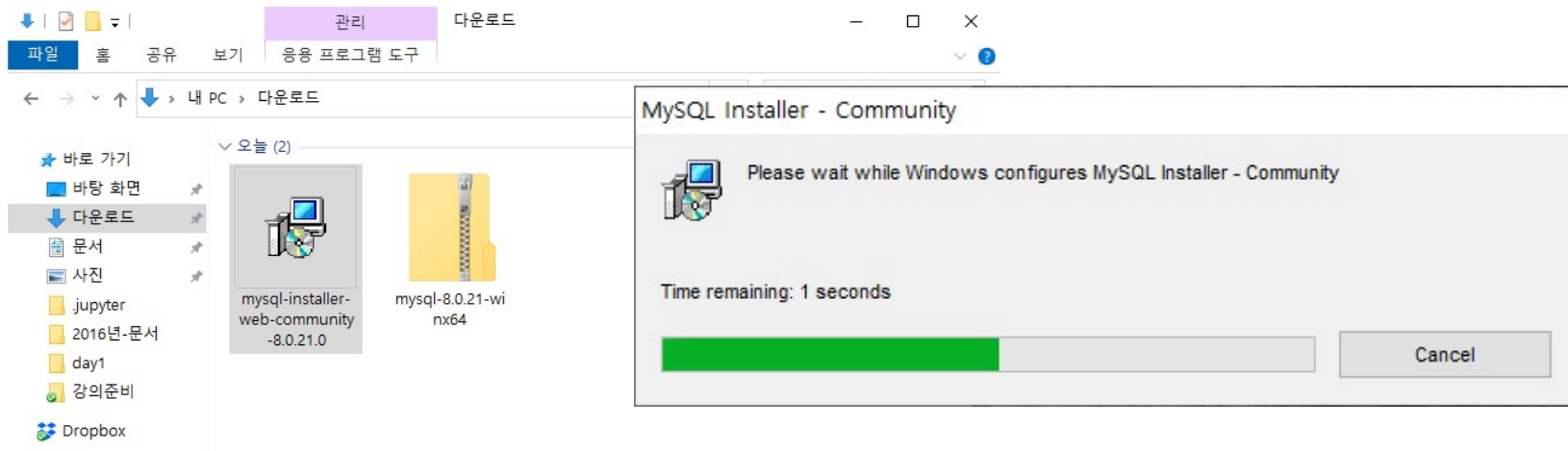
Windows installer 버전
다운로드

2

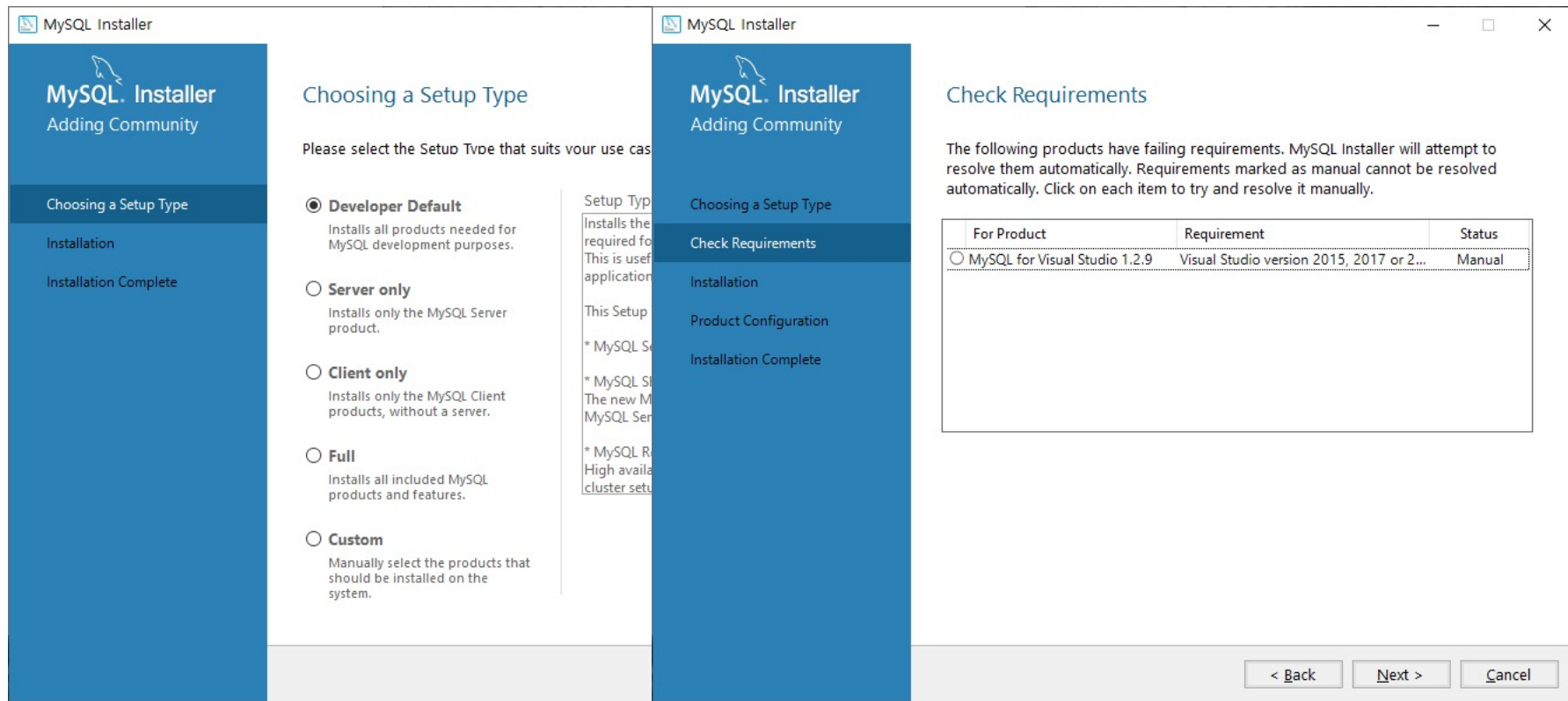
MySQL 윈도우즈 설치

■ 윈도우즈 설치[2]

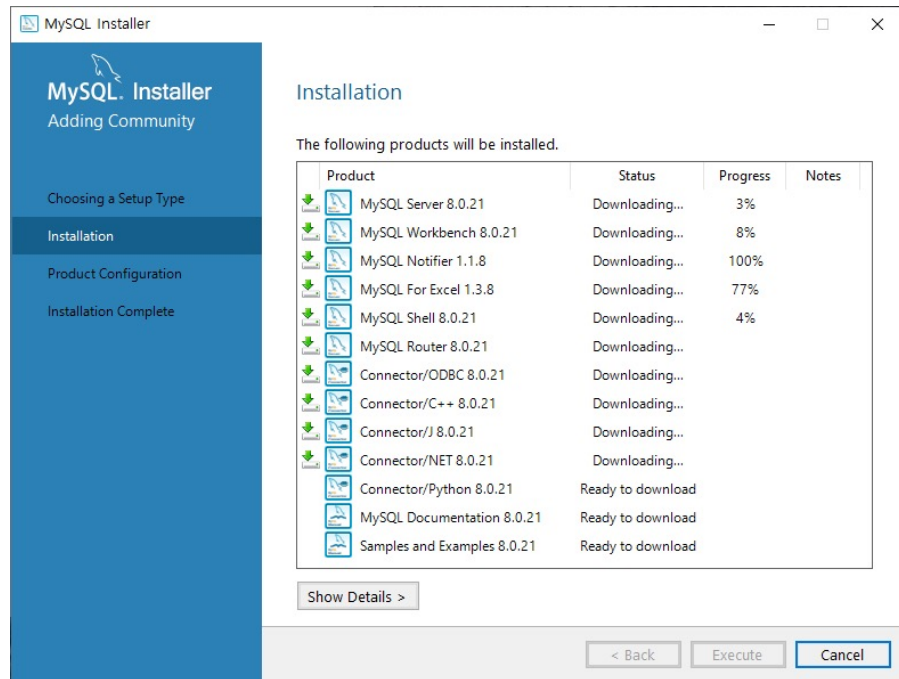
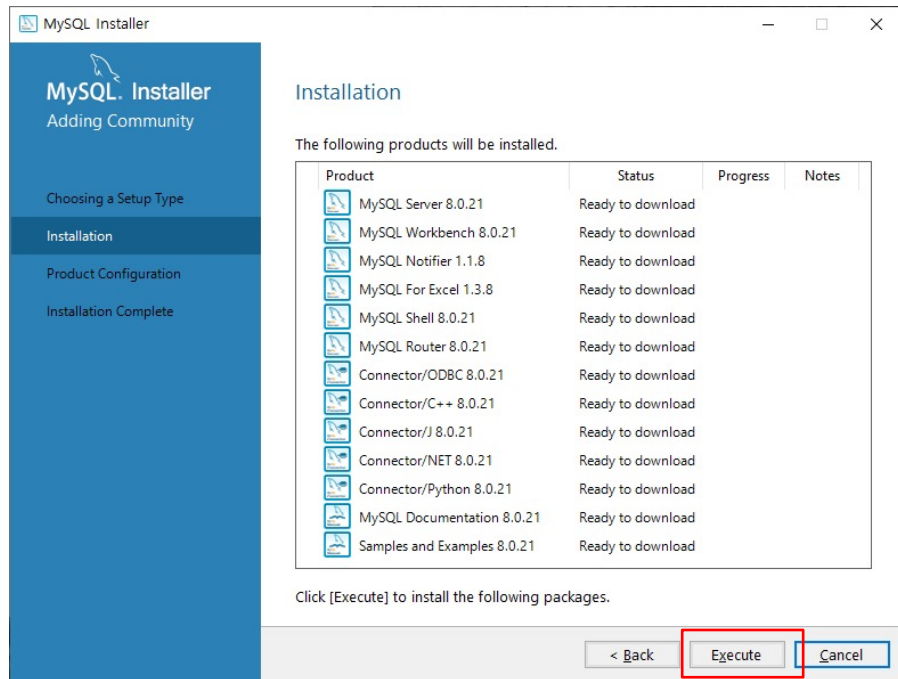
○ installer 시작한다.



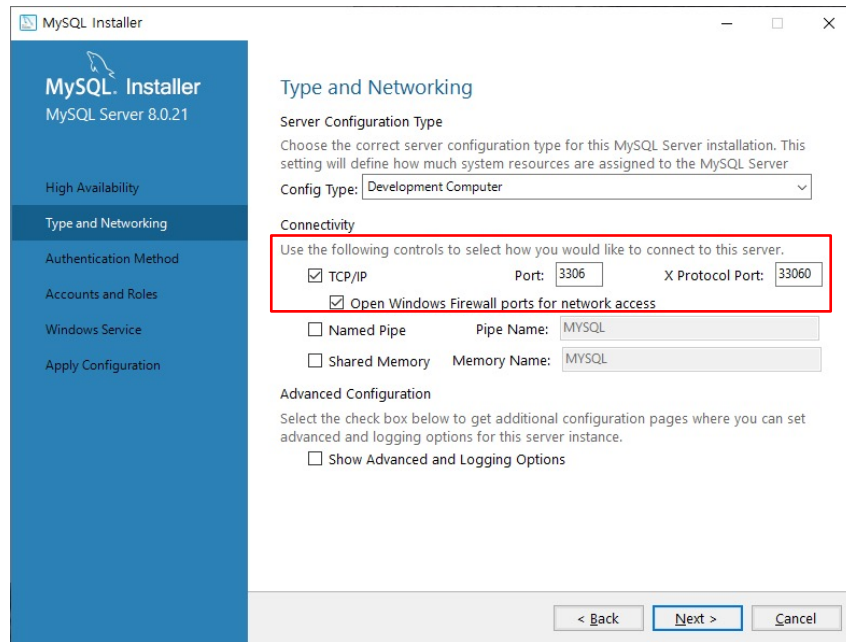
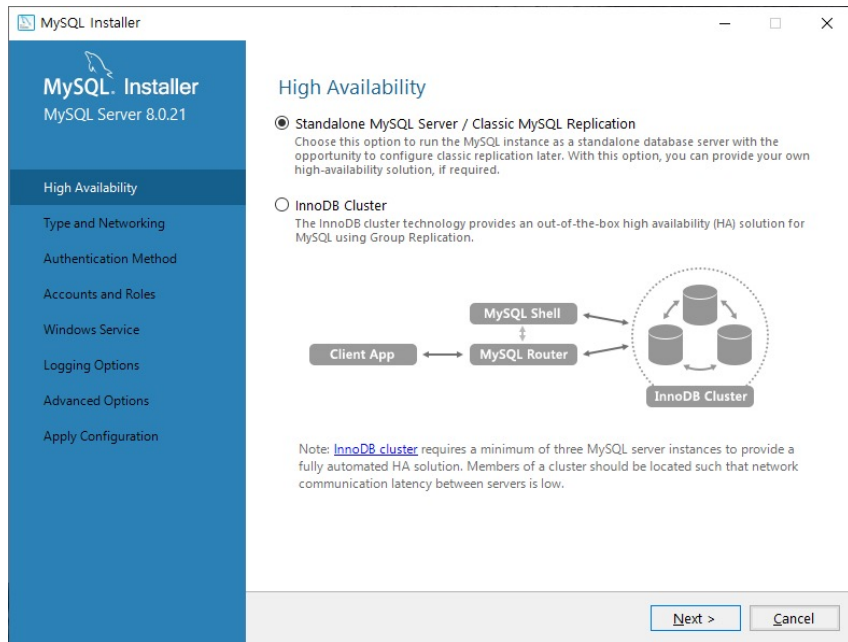
■ 윈도우즈 설치[3]



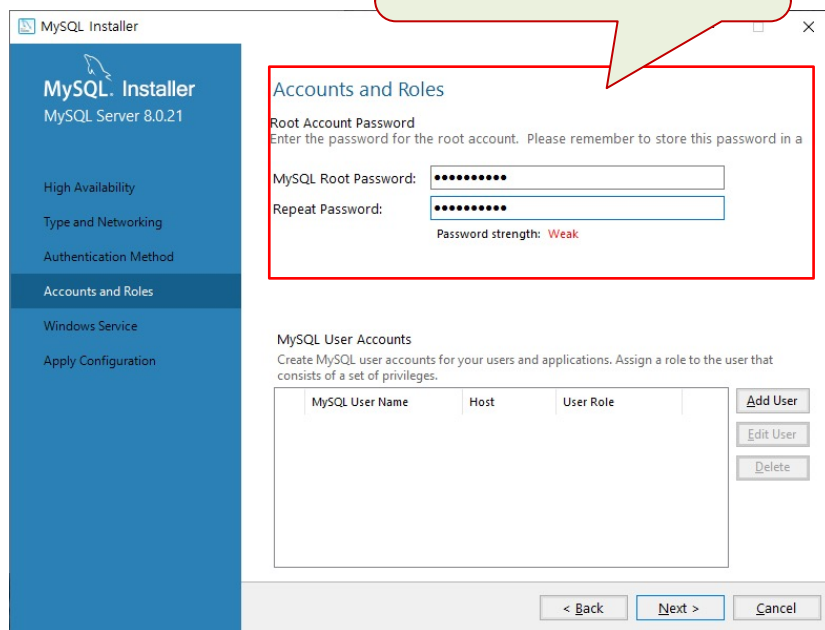
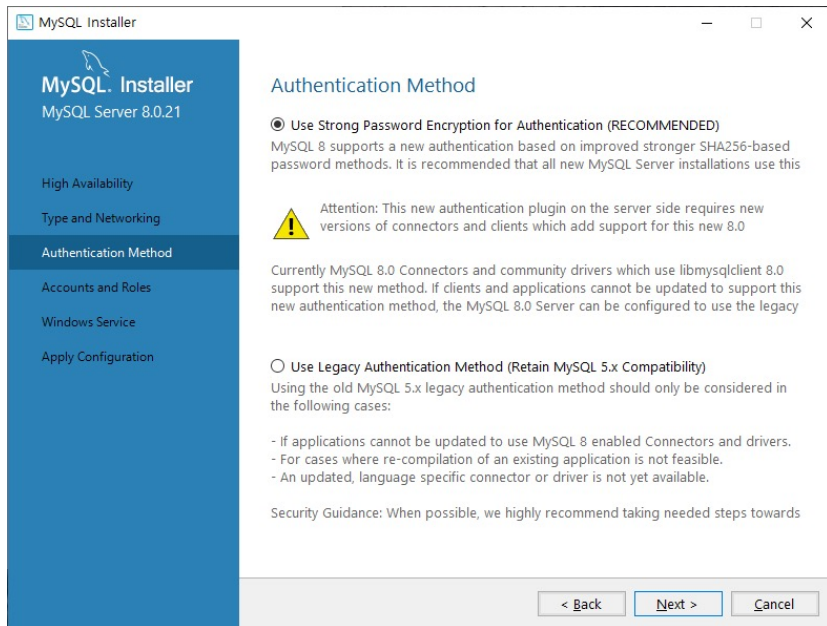
■ 윈도우즈 설치[4]



■ 윈도우즈 설치[5]



■ 윈도우즈 설치[6]



■ 윈도우즈 설치[7]

MySQL Installer

MySQL Server 8.0.21

High Availability

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


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	
 user1	%	DB Admin	<div><div>Add User</div><div>Edit User</div><div>Delete</div></div>

< Back Next > Cancel

MySQL User Account

Please specify the user name, password, and database role.

 User Name: user1

Host: <All Hosts (%)>

Role: DB Admin

Authentication: ☒ MySQL

MySQL user credentials

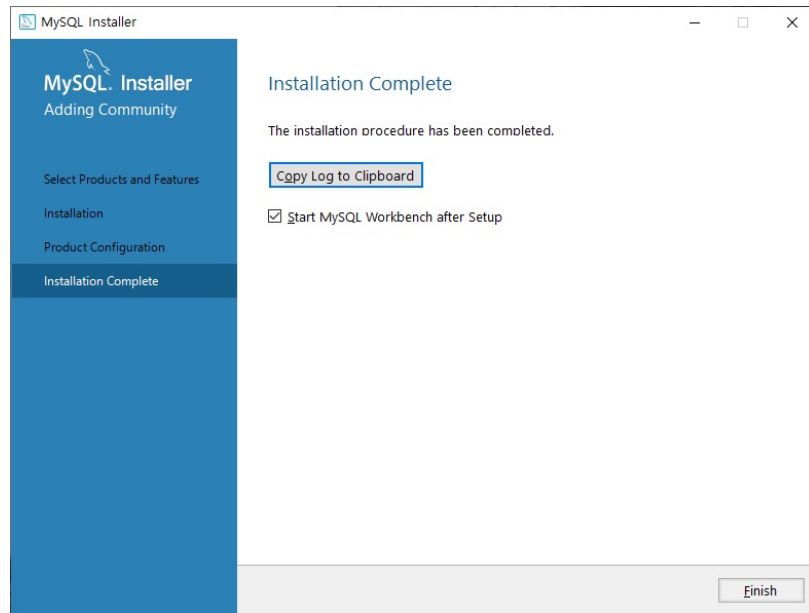
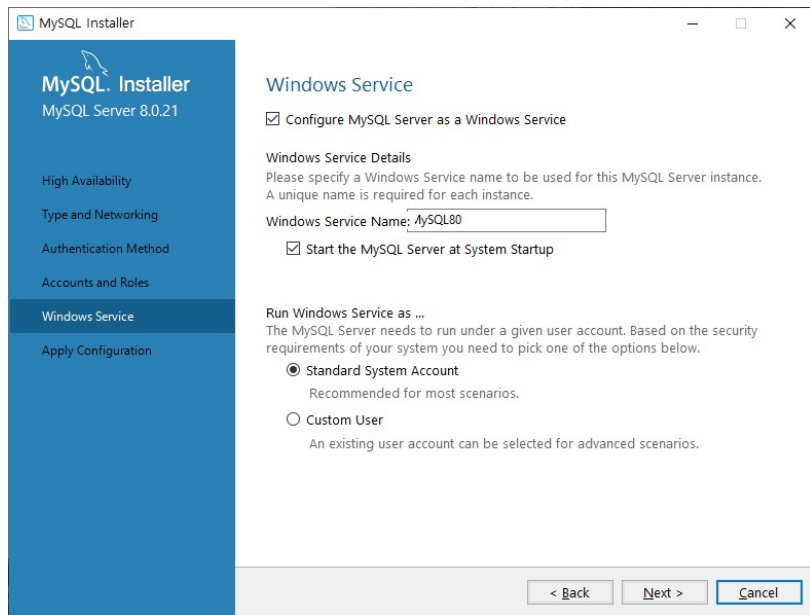
Password:

Confirm Password:

Password strength: **Weak**

OK Cancel

■ 윈도우즈 설치[8]

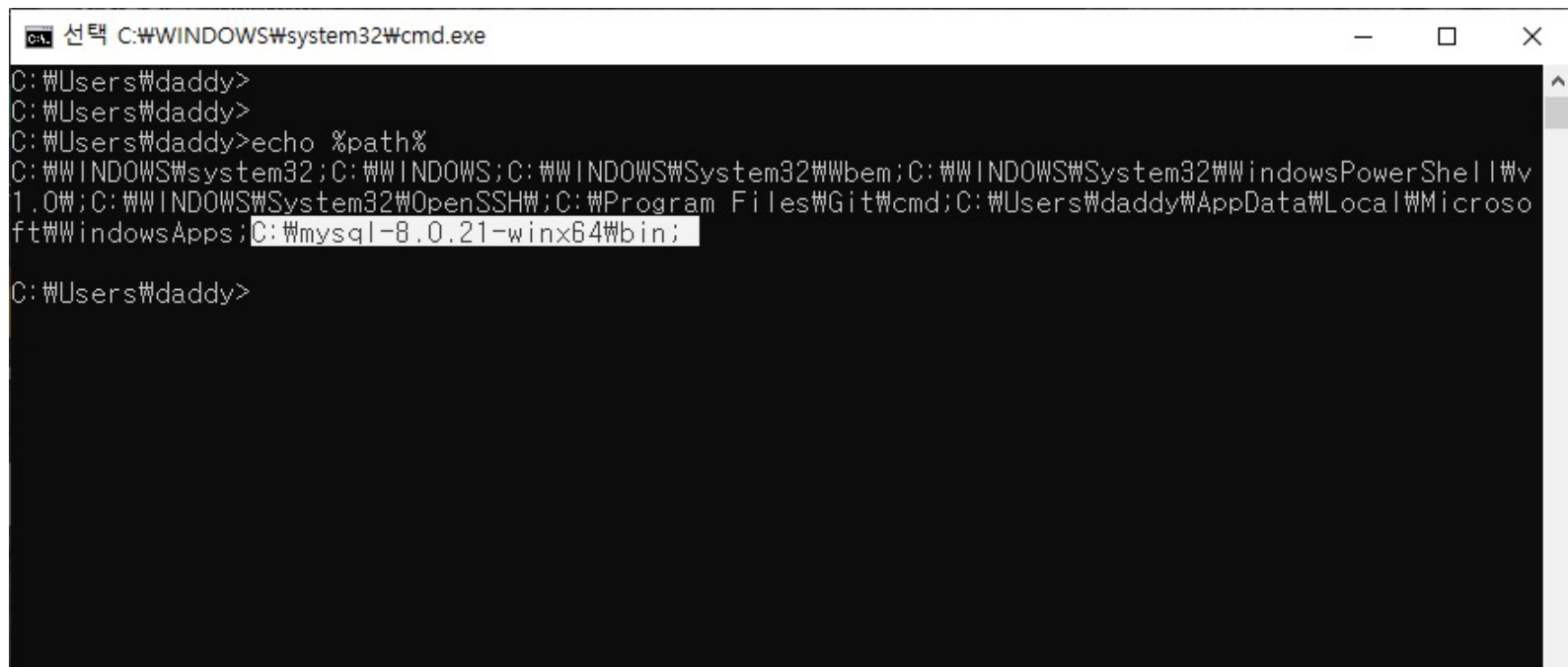


2

MySQL 윈도우즈 설치

■ 윈도우즈 설치[9]

- 환경변수 %PATH% 확인



```
C:\> 선택 C:\WINDOWS\system32\cmd.exe
C:\Users\daddy>
C:\Users\daddy>
C:\Users\daddy>echo %path%
C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell\v
1.0\;C:\WINDOWS\System32\OpenSSH\;C:\Program Files\Git\cmd;C:\Users\daddy\AppData\Local\Microso
ft\WindowsApps;C:\mysql-8.0.21-winx64\bin;
C:\Users\daddy>
```

3 Commandline 이용

■ CREATE USER 이용 사용자 계정 추가

```
CREATE USER 'userID'@'localhost' IDENTIFIED BY 'userPassword';  
  
CREATE USER 'userID'@'%' IDENTIFIED BY 'userPassword'; -- 모든 호스트
```

■ mysql.user 테이블

```
INSERT INTO mysql.user(Host, User, authentication_string)  
VALUES('localhost', 'userID', password('userPassword'));  
  
INSERT INTO mysql.user(Host, User, authentication_string)  
VALUES ('%', 'userID', password('userPassword'));
```

- mysql.db, mysql.user 직접 조작시 DB 일관성 문제가 발생할 수 있다
- **CREATE USER/GRANT** 명령으로 사용자와 권한을 추가/관리를 권장

3 Commandline 이용

■ 특정 데이터베이스의 모든 테이블에 접근/추가/수정/삭제 가능

- 기존에 존재하는 사용자일 경우 권한 부여, 없을 경우 새로운 사용자도 함께 생성

```
GRANT ALL PRIVILEGES ON dbname.* TO 'userID'@'localhost' WITH GRANT OPTION;  
FLUSH PRIVILEGES;
```

```
GRANT ALL PRIVILEGES ON dbname.* TO 'userID'@'%' WITH GRANT OPTION;  
FLUSH PRIVILEGES;
```

■ 사용자의 권한

```
SHOW GRANTS FOR 'userID'@'localhost';
```

```
SHOW GRANTS FOR 'userID'@'%';
```