

데이터베이스

Mysql 및 Pymysql 설치 방법과 예제

01

Mysql 설치



mysql community



전체

이미지

동영상

뉴스

도서

더보기

도구

검색결과 약 87,500,000개 (0.39초)

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

Download MySQL Community Server

MySQL Community Server 8.0.30 ; (mysql-8.0.30-linux-glibc2.12-i686.tar.xz), MD5:
33044c4c33f5e43dd5647f7b4295ad65 | Signature ; Linux - Generic (glibc 2.12) (x86, ...

<https://www.mysql.com/products/community/>

MySQL Community Edition

MySQL Community Edition is the freely downloadable version of the world's most popular open source database. It is available under the GPL license and is ...

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

MySQL Community Downloads

MySQL Community Server · MySQL Cluster · MySQL Router · MySQL Shell · MySQL Operator
· MySQL Workbench · MySQL Installer for Windows · MySQL for Visual ...

General Availability (GA) Releases

Archives



MySQL Community Server 8.0.30

Select Operating System:

Microsoft Windows

[Looking for previous GA 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

8.0.30

215.9M

[Download](#)

(mysql-8.0.30-winx64.zip)

MD5: d17b3d4bab676a2c365b82f65c9a5374 | [Signature](#)

Windows (x86, 64-bit), ZIP Archive

8.0.30

544.8M

[Download](#)

Debug Binaries & Test Suite

(mysql-8.0.30-winx64-debug-test.zip)

MD5: dc2127acf c9637ab9822599ea5242952 | [Signature](#)



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

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: c9cbd5d788f45605dae914392a1df eea | [Signature](#)



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

MAC 설치 방법

General Availability (GA) Releases Archives ⓘ

MySQL Community Server 8.0.30

Select Operating System:
macOS

Select OS Version:
All

Looking for previous GA versions?

! Packages for Monterey (12) are compatible with Big Sur (11)

macOS 12 (ARM, 64-bit), DMG Archive (mysql-8.0.30-macos12-arm64.dmg)	8.0.30	448.8M	Download
		MD5: 355ee1de7693416e711df e24e1f1564d Signature	

reference : <https://eunoia3jy.tistory.com/41> 참조

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

Adding Community

Choosing a Setup Type

Select Products

Installation

Product Configuration

Installation Complete

Select Products

Please select the products you would like to install on this computer.



Filter:

All Software, Current Bundle, Any

Edit

Available Products:

- MySQL Servers
 - MySQL Server
 - MySQL Server 8.0
 - MySQL Server 8.0.30 - X64
 - Applications
 - MySQL Workbench
 - MySQL Workbench 8.0
 - MySQL Workbench 8.0.30 - X64
 - MySQL for Visual Studio
 - MySQL Shell
 - MySQL Shell 8.0
 - MySQL Shell 8.0.30 - X64
 - MySQL Router

Products To Be Installed:

- MySQL Server 8.0.30 - X64
- MySQL Workbench 8.0.30 - X64
- MySQL Shell 8.0.30 - X64

☐ Enable the Select Features page to customize product features

Published:

Release Notes:

< Back

Next >

Cancel

MySQL. Installer

Adding Community

Choosing a Setup Type

Select Products




Installation

Product Configuration

Installation Complete

Installation

The following products will be installed.

Product	Status	Progress	Notes
 MySQL Server 8.0.30	Installing	51%	
 MySQL Workbench 8.0.30	Ready to Install		
 MySQL Shell 8.0.30	Ready to Install		

Show Details >

< Back

Execute

Cancel

MySQL Installer

MySQL Server 8.0.30

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

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

3306포트에 ! 모양이뜨면 3305로 변경

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 8.0.30

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 secure place.

MySQL Root Password:

●●●● root

Repeat Password:

●●●● root

Password strength: **Weak**

꼭 기억할 수 있는 비밀번호로 입력할 것

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	
			<div>Add User</div> <div>Edit User</div> <div>Delete</div>

< Back

Next >

Cancel

MySQL[®] Installer

MySQL Server 8.0.30

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

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.

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Cancel

MySQL. Installer

MySQL Server 8.0.30

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

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)
- ✓ Starting the server
- ✓ Applying security settings
- ✓ Updating the Start menu link

The configuration for MySQL Server 8.0.30 was successful.
Click Finish to continue.

Finish

MySQL. Installer

Adding Community

Choosing a Setup Type

Select Products

Installation

Product Configuration

Installation Complete

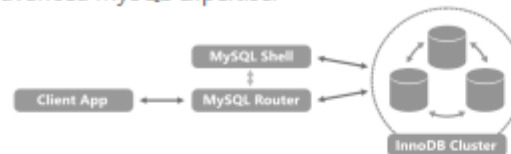
Installation Complete

The installation procedure has been completed.

Copy Log to Clipboard

- ☐ 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

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가장 정확



시스템 환경 변수 편집

제어판

웹 검색

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🔍 시스템 환경변수 편집 >

🔍 시스템 환경설정 >

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🔍 시스템 속성 환경변수 >

🔍 시스템 환경

시스템 속성



컴퓨터 이름 하드웨어 고급 시스템 보호 원격

이 내용을 변경하려면 관리자로 로그인해야 합니다.

성능

시각 효과, 프로세서 일정, 메모리 사용 및 가상 메모리

설정(S)...

사용자 프로필

사용자 로그인에 관련된 바탕 화면 설정

설정(E)...

시작 및 복구

시스템 시작, 시스템 오류 및 디버깅 정보

설정(I)...

환경 변수(N)...

확인

취소

적용(A)

환경 변수

JeongHwi에 대한 사용자 변수(U)

변수	값
OneDrive	C:\Users\JeongHwi\OneDrive
Path	C:\Program Files\MySQL\MySQL Shell 8....
PyCharm	D:\code_Tools\PyCharm 2021.2.3\bin;
TEMP	C:\Users\JeongHwi\AppData\Local\Temp

새로 만들기(N)...

편집(E)...

삭제(D)

시스템 변수(S)

변수	값
NVTOOLSEXT_PATH	C:\Program Files\NVIDIA Corporation\Nv...
OS	Windows_NT
Path	%INTEL_DEV_REDIST%redist\intel64\com...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.W...

새로 만들기(W)...

편집(I)...

삭제(L)

확인

취소



환경 변수 편집



C:\Program Files\MySQL\MySQL Server 8.0\bin

새로 만들기(N)

편집(E)

찾아보기(B)...

삭제(D)

위로 이동(U)

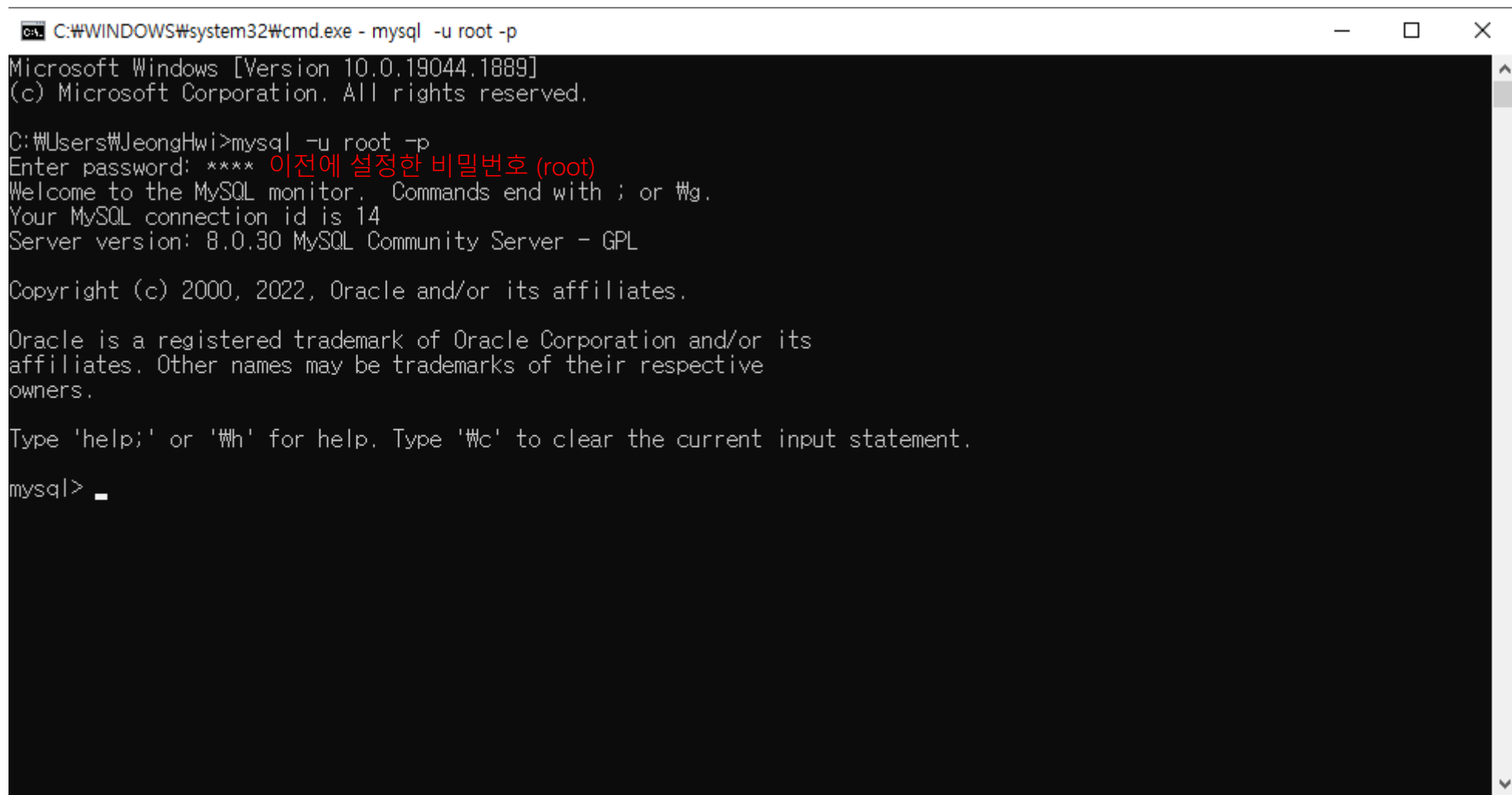
아래로 이동(O)

텍스트 편집(T)...

확인

취소

mysql -u root -p



```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\JeongHwi>mysql -u root -p
Enter password: **** 이전에 설정한 비밀번호 (root)
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.30 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

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

mysql> _
```

MYSQL포트 변경시

mysql -u root -p --port=3305

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.00 sec)
```

```
mysql> create database test;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
| test |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> use test
Database changed
```

CREATE TABLE TEST(code INT, name varchar(30), grade INT, department varchar(50));

```
mysql> show tables;
+-----+
| Tables_in_test |
+-----+
| test           |
+-----+
1 row in set (0.00 sec)
```

INSERT INTO TEST VALUES (202011096, "김지수", 3, "휴먼지능정보공학과");

INSERT INTO TEST VALUES (201610075, "이정민", 3, "컴퓨터과학과");

INSERT INTO TEST VALUES (202111080, "김민수", 2, "휴먼지능정보공학과");

SELECT * FROM TEST;

```
mysql> select * from TEST;
```

code	name	grade	department
202011096	김지수	3	휴먼지능정보공학과
201610075	이정민	3	컴퓨터과학과
202111080	김민수	2	휴먼지능정보공학과

3 rows in set (0.00 sec)

설치 명령어 : pip install PyMySQL

```
import pymysql
db = pymysql.Connect(host='localhost', user='root', password='root', database='test')
cursor = db.cursor()
query = "SELECT * FROM TEST"
cursor.execute(query)
result = cursor.fetchall()
print(result)
```

```
((202011096, '김지수', 3, '휴먼지능정보공학과'), (201610075, '이정민', 3, '컴퓨터과학과'), (202111080, '김민수', 2, '휴먼지능정보공학과'))
```

```
import pymysql
```

```
db = pymysql.Connect(host='localhost', user='root', password='root', database='test')
```

```
cursor = db.cursor()
```

```
query = "SELECT * FROM TEST WHERE grade=3"
```

```
cursor.execute(query)
```

```
result = cursor.fetchall()
```

```
print(result)
```

```
((202011096, '김지수', 3, '휴먼지능정보공학과'), (201610075, '이정민', 3, '컴퓨터과학과'))
```