

# MYSQL 及 MYSQL workbench 安装指南 (windows)

## 1. MYSQL 安装

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

推荐使用8.0.45版本

**MySQL Community Server 8.0.28**

Select Operating System:  [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 MS packages.

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

**Other Downloads:**

<b>Windows (x86, 64-bit), ZIP Archive</b> (mysql-8.0.28-winx64.zip)	8.0.28	211.7M	<a href="#">Download</a>
<b>Windows (x86, 64-bit), ZIP Archive Debug Binaries &amp; Test Suite</b> (mysql-8.0.28-winx64-debug-test.zip)	8.0.28	506.3M	<a href="#">Download</a>

MD5: f1a0ef30086256a56e81e1f475e1338e | [Signature](#)

MD5: b846945d418823be037e3086847e54f | [Signature](#)

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

将下载的压缩包解压到一个目录

配置环境变量

右键桌面的电脑图标-属性-高级系统设置-环境变量-新建

系统

查看有关计算机的基本信息

Windows 版本

Windows 10 家庭中文版  
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系统

处理器: Intel(R) Core(TM) i7-8750H CPU @ 2.20GHz 2.21 GHz  
已安装的内存(RAM): 8.00 GB (7.86 GB 可用)  
系统类型: 64 位操作系统, 基于 x64 的处理器  
笔和触控: 没有可用于此显示器的笔或触控输入

计算机名、域和工作组设置

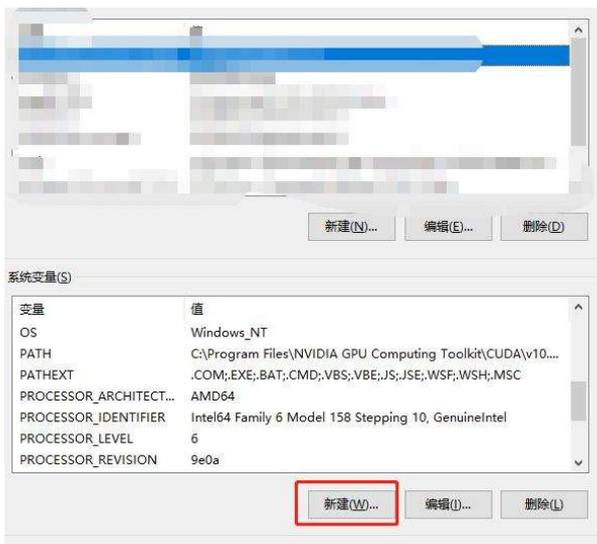
计算机名: DESKTOP-U3VE9NI  
计算机全名: DESKTOP-U3VE9NI  
计算机描述:  
工作组: WORKGROUP

Windows 激活

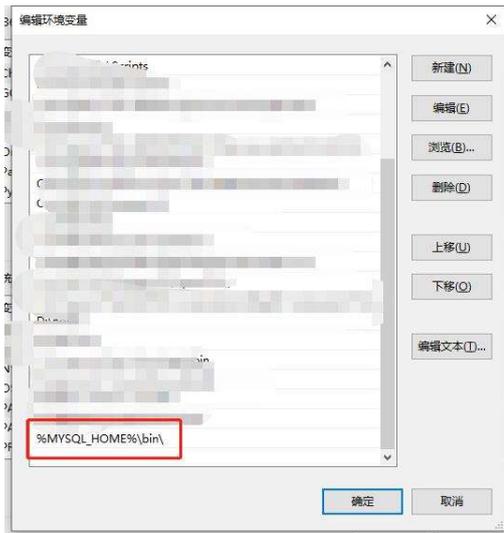
Windows 已激活 [阅读 Microsoft 软件许可条款](#)  
产品 ID: 00342-30262-00002-AAOEM

另请参阅  
安全和维护

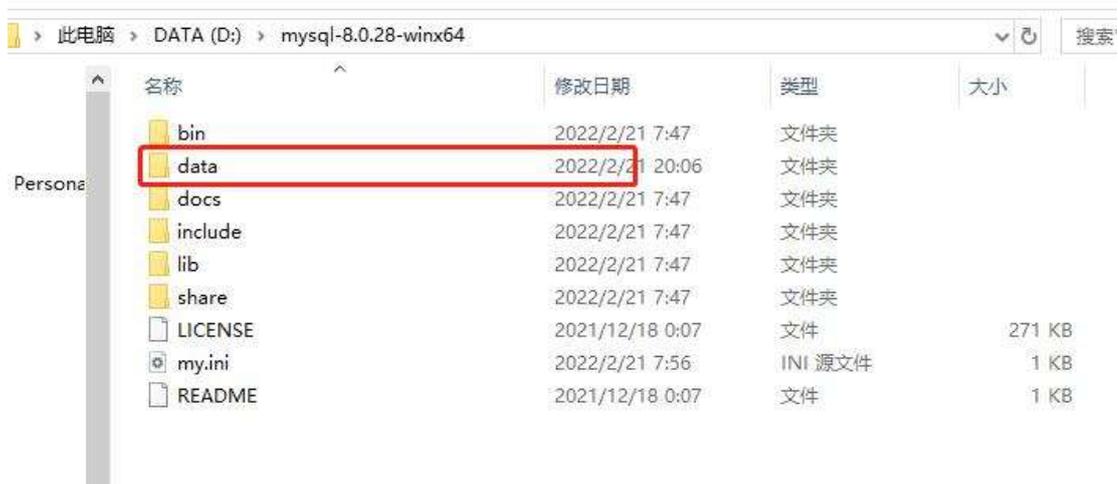
高级系统设置



变量名为：MYSQL\_HOME，路径是刚刚解压的路径。  
在系统变量中找到 path，点击【编辑】添加%MYSQL\_HOME%\bin\



新建一个存放数据库的文件夹 data



在安装根目录下生成一个 my.ini (用记事本创建, 修改后缀名)  
写入如下配置信息, 记得修改配置中的路径为你实际的路径:  
保存时将编码设置为ANSI格式

```
[mysqld]
# 设置 3306 端口
port=3306
# 设置 mysql 的安装目录
basedir=D:\mysql-8.0.28-win64
# 设置 mysql 数据库的数据的存放目录
datadir=D:\mysql-8.0.28-win64\data
# 允许最大连接数
max_connections=200
# 允许连接失败的次数。这是为了防止有人从该主机试图攻击数据库系统
max_connect_errors=10
# 服务端使用的字符集默认为 UTF8
character-set-server=utf8
# 创建新表时将使用的默认存储引擎
default-storage-engine=INNODB
```

```
# 默认使用“mysql_native_password”插件认证
default_authentication_plugin=mysql_native_password
[mysql]
# 设置 mysql 客户端默认字符集
default-character-set=utf8
[client]
# 设置 mysql 客户端连接服务端时默认使用的端口
port=3306
default-character-set=utf8
```

搜索 cmd 右键 以管理员身份运行!



输入: `mysqld install` 命令

当出现 `Service successfully installed` 时表示 mysql 服务安装完成

```
C:\WINDOWS\system32>mysqld install
Service successfully installed.

C:\WINDOWS\system32>_
```

启动mysql服务时如果提示发生系统错误2, 请参考  
<https://www.cnblogs.com/sinkHu/p/13474991.html>  
修改ImagePath为mysql根目录\bin\mysqld  
例如C:\Program Files (x86)\mysql-8.0.45-winx64\bin\mysqld

## 2. Mysql 初始化

在cmd执行命令: `mysqld --initialize --console`

执行完成后, 会打印 root 用户的初始默认密码, 如果报错可以尝试删除data文件夹并重试  
其中 root@localhost:后面的字符串就是初始密码 (不含首位空格)。在没有更改密码前, 需要记住这个密码, 后续登录需要用到。

安装完成之后, 即可以通过命令 `net start mysql` 启动 MySQL 的服务

执行 `mysql -u root -p` 命令, 然后输入之前保存的密码, 即可进入 mysql 界面

```
C:\WINDOWS\system32>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.28 MySQL Community Server - GPL

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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> _
```

执行如下命令即可更改数据库密码 (将密码更新为 123456)

```
alter user user() identified by "123456";
```

输入 `exit`;即可退出 mysql

```
C:\WINDOWS\system32>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 8.0.28 MySQL Community Server - GPL

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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> exit;
Bye
```

## 3. MySQL workbench 安装

下载链接: <https://dev.mysql.com/downloads/workbench/>

建议用与 mysql 相配的版本

General Availability (GA) Releases Archives

### MySQL Workbench 8.0.28

Select Operating System:  
Microsoft Windows

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), MSI Installer	8.0.28	42.7M	<a href="#">Download</a>
<small>(mysql-workbench-community-8.0.28-wins64.msi)</small>			<small>MDS: c383c4e81094201080134f02114d9   Signature</small>

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

### MySQL Workbench 8.0 CE - Setup Wizard



**Welcome to the Setup Wizard for MySQL Workbench 8.0 CE**

The Setup Wizard will allow you to modify, repair, or remove MySQL Workbench 8.0 CE. To continue, click Next.

< Back **Next >** Cancel

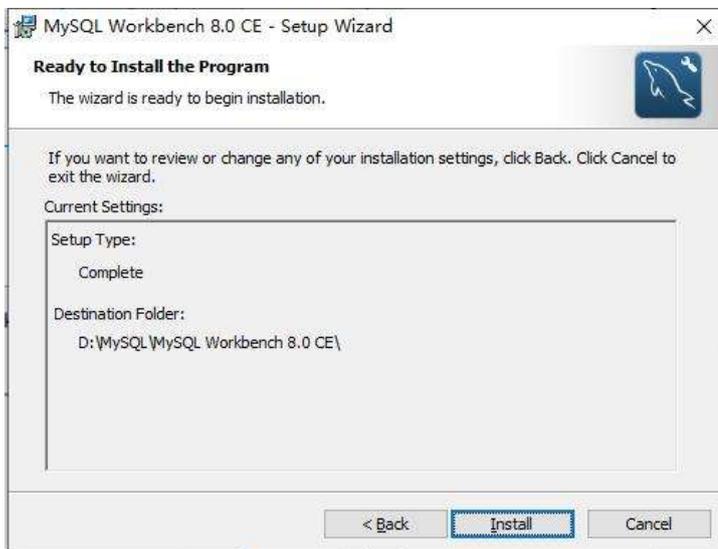
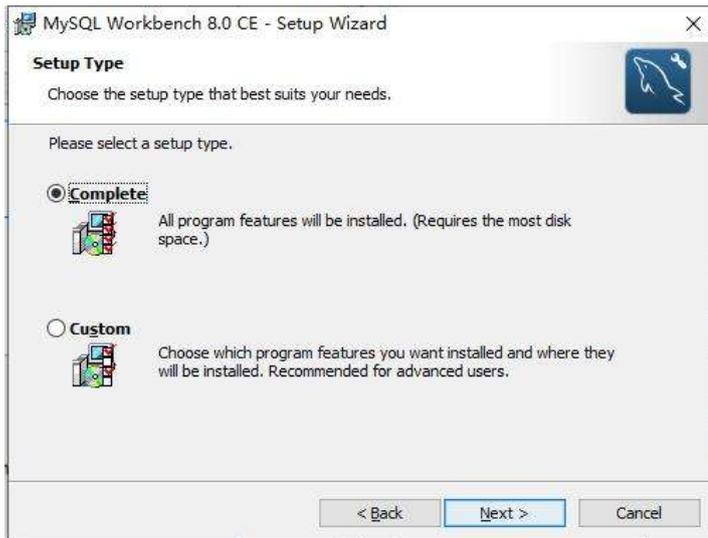
### MySQL Workbench 8.0 CE - Setup Wizard

**Destination Folder**

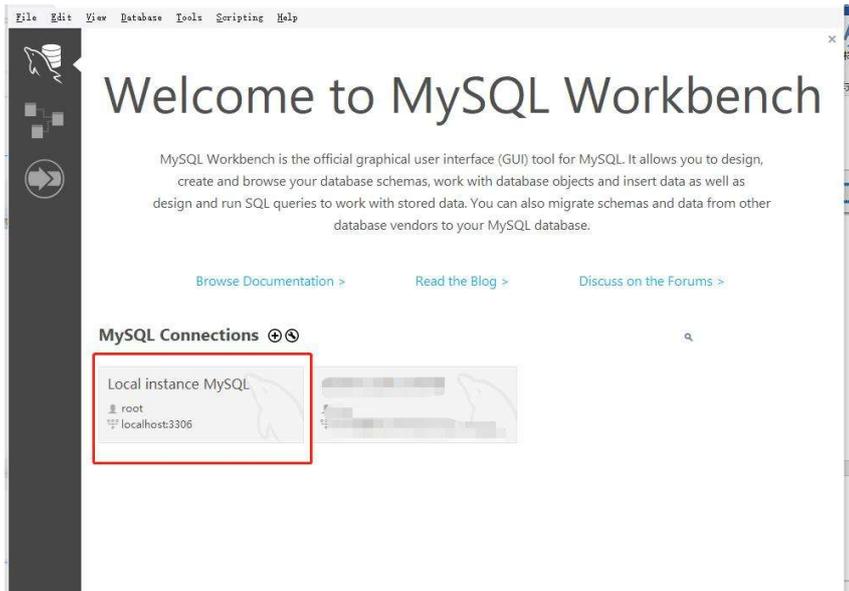
Click Next to install to this folder, or click Change to install to a different folder.

 Install MySQL Workbench 8.0 CE to:  
D:\MySQL\MySQL Workbench 8.0 CE\ [Change...](#)

< Back **Next >** Cancel



至此 MySQL workbench 安装完成。  
通过 workbench 即可连接 mysql，对 mysql 进行操作。



比如通过如下操作即可创建 test 数据库。

