

在线oj项目-MySQL

MySQL

安装

版本: 5.7

- 拉取mysql镜像

```
1 docker pull mysql:5.7
```

- 启动容器

```
1 docker run -d --name oj-mysql -p 3306:3306 -e "TZ=Asia/Shanghai" -e  
"MYSQL_ROOT_PASSWORD=123456" mysql:5.7
```

- 进入容器

```
1 docker exec -it 容器id bash
```

- 使用root用户登录

```
1 mysql -u root -p123456
```

- 创建oj项目用户

```
1 CREATE USER 'ojtest'@'%' IDENTIFIED BY '123456';
```

- 创建oj项目数据库

```
1 CREATE database if NOT EXISTS `bitoj_dev` ;
```

- 赋予用户操作权限

```
1 GRANT CREATE,DROP,SELECT, INSERT, UPDATE, DELETE ON bitoj_dev.* TO  
  'ojtest'@'%';
```

- 使用ojtest用户登录

```
1 mysql -u ojtest -p123456
```

- 创建测试表，并插入测试数据

```
1 CREATE TABLE `tb_test` (  
2   `test_id` bigint unsigned NOT NULL,  
3   `title` text NOT NULL,  
4   `content` text NOT NULL,  
5   PRIMARY KEY (`test_id`)  
6 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;  
7  
8 INSERT INTO tb_test values(1,'test','test');  
9  
10 select * from tb_test;  
11  
12 update tb_test set title = 'test_update' where test_id = 1;  
13  
14 delete from tb_test;
```

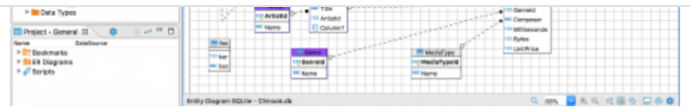
DBServer

DBeaver 是一个流行的开源数据库管理工具，支持多种数据库，如 MySQL、PostgreSQL、SQLite、Oracle、DB2、SQL Server 等。DBeaver Community 是其社区版，可以免费使用，但可能不包含某些高级功能或插件。

官网：<https://dbeaver.io/>

下载：

like MySQL, MariaDB, PostgreSQL, SQLite, Apache Family, and more.



DBeaver Community

Open-source version

- Basic support for relational databases: MySQL, SQL Server, PostgreSQL and [others](#)
- Data Editor
- SQL Editor
- Database schema editor
- DDL
- Basic ER Diagrams
- Basic charts
- Data export/import
- Task management
- Database maintenance tools

Download

DBeaver PRO

Commercial versions

- All DBeaver Community features
- Advanced security
- Advanced support for relational databases
- Connection through ODBC drivers
- NoSQL databases support: MongoDB, Cassandra, Redis, CouchDB and [others](#)
- Cloud databases support: Redshift, Google BigQuery, Oracle Cloud and [others](#)
- Native support for AWS, Google Cloud, and Azure
- Cloud storage support
- Metadata management tools
- Database performance visual tools
- AI assistant in SQL
- Multi-component task management
- Task Scheduler
- Visual Query Builder
- Ongoing technical support

Learn more

选择社区版进行下载:

Download

DBeaver Community 24.0.2

Released on April 8th 2024 ([Milestones](#)).
It is free and open source ([license](#)).
Also you can get it from the [GitHub mirror](#).

DBeaver PRO 24.0

Released on March 11th, 2024
PRO version website: [dbeaver.com](#)
[Trial](#) version is available.

Windows

- [Windows \(installer\)](#)
- [Windows \(zip\)](#)
- [Chocolatey](#) (`choco install dbeaver`)
- [Install from Microsoft Store](#)

Mac OS X

- [MacOS for Intel \(dmg\)](#)
- [MacOS for Apple Silicon \(dmg\)](#)
- [Brew Cask](#) (`brew install --cask dbeaver-community`)

Linux

- [Linux Debian package \(installer\)](#)
- [Linux RPM package \(installer\)](#)
- [Linux \(tar.gz\)](#)

DBeaver PRO features:

- **Advanced security:** master password and strong credentials encryption to secure and easy database connection.
- **Enterprise-level authentication methods:** SAML, SSO, OKTA, and Kerberos. SSO authentication cloud services such as GCP, AWS, and Azure.
- **Advanced SQL databases support:** MySQL, PostgreSQL, SQL Server, Oracle and [others](#)
- **NoSQL databases support:** MongoDB, Cassandra, Redis, CouchDB and [others](#)
- **Cloud databases support:** Redshift, Google BigQuery, Oracle Cloud and [others](#)
- **Native cloud support** for Google Cloud, AWS, and Azure.
- **Access all files in any region with the S3 browser** to upload, store, share, and save files like in a regular file system.
- **AI assistant in SQL and Visual Query Builder** to create complex SQL scripts automatically
- **Database schema development** with ERD Edit Mode.
- **Mock data generation** with thousands of entities of different types for database testing


安装

双击安装程序进行安装：


↑↓ 排序

≡ 查看

...


名称	修改日期	类型	大小
 dbeaver-ce-24.0.2-x86_64-setup	2024/4/11 10:37	应用程序	119,863 KB

Installer Language

 Please select a language.


中文(简体)

OKCancel

 DBEaver Community 24.0.2 (x86_64) Setup

— □ ×

Choose Users



Choose for which users to install DBEaver Community.

Select whether to install DBEaver Community for all users or for current user.

☐ For anyone who uses this computer (all users)

☒ For me (49940)

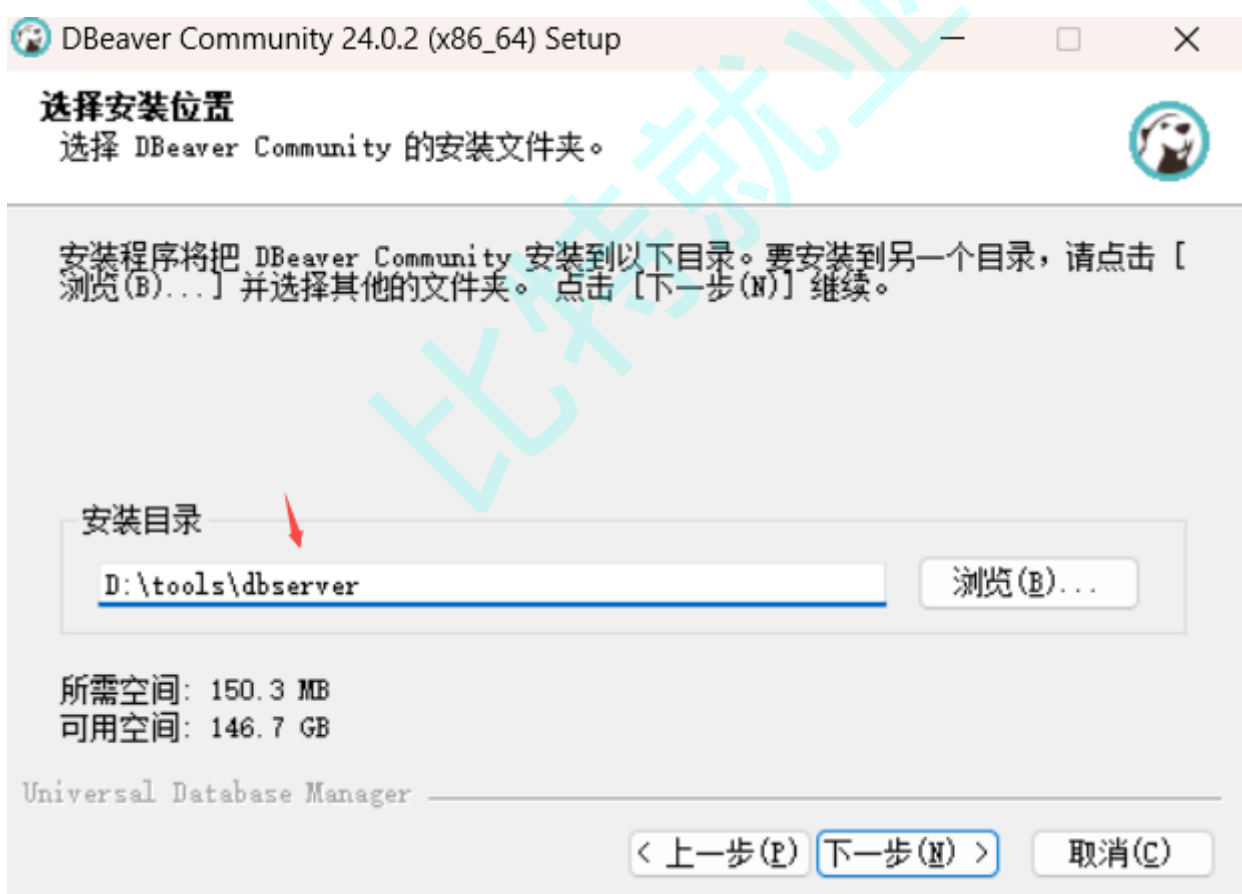
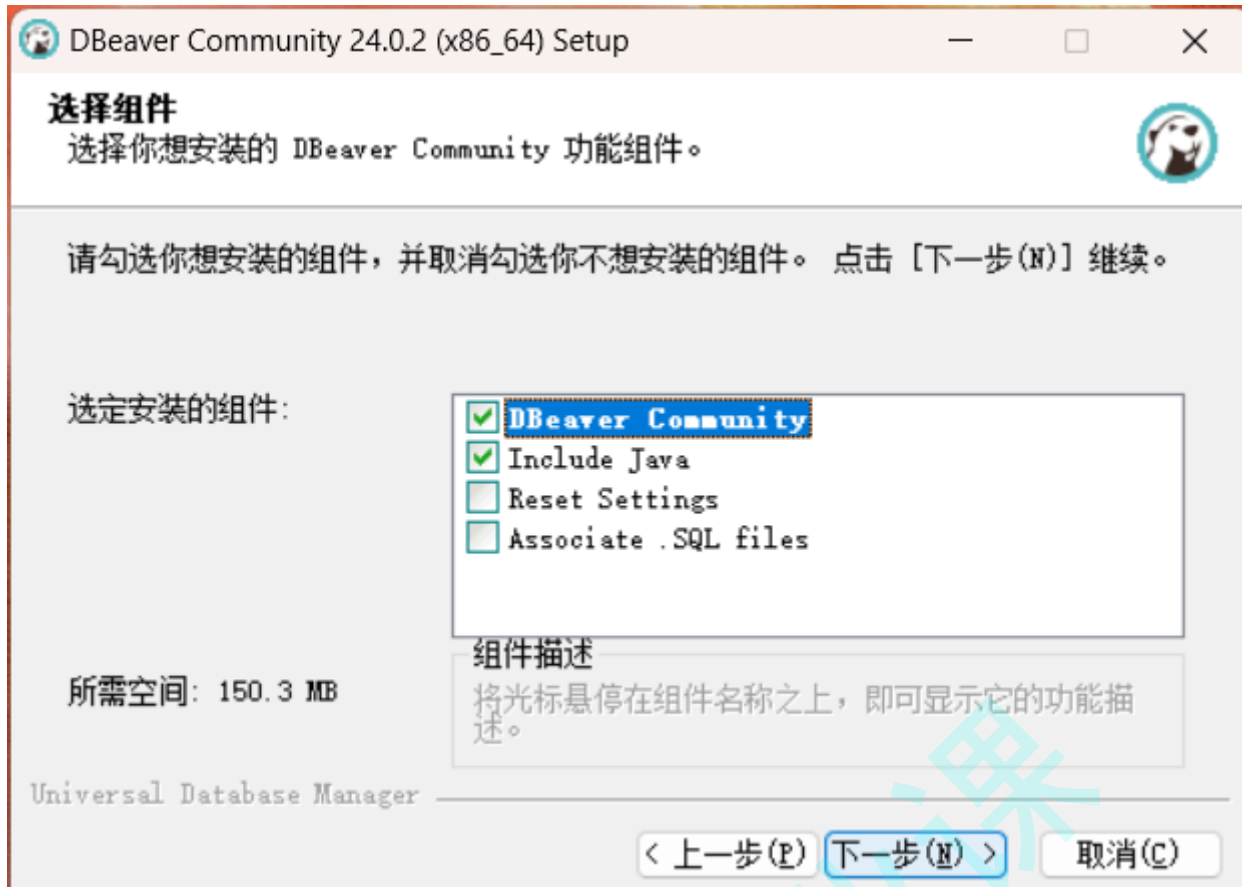
Fresh install for current user.

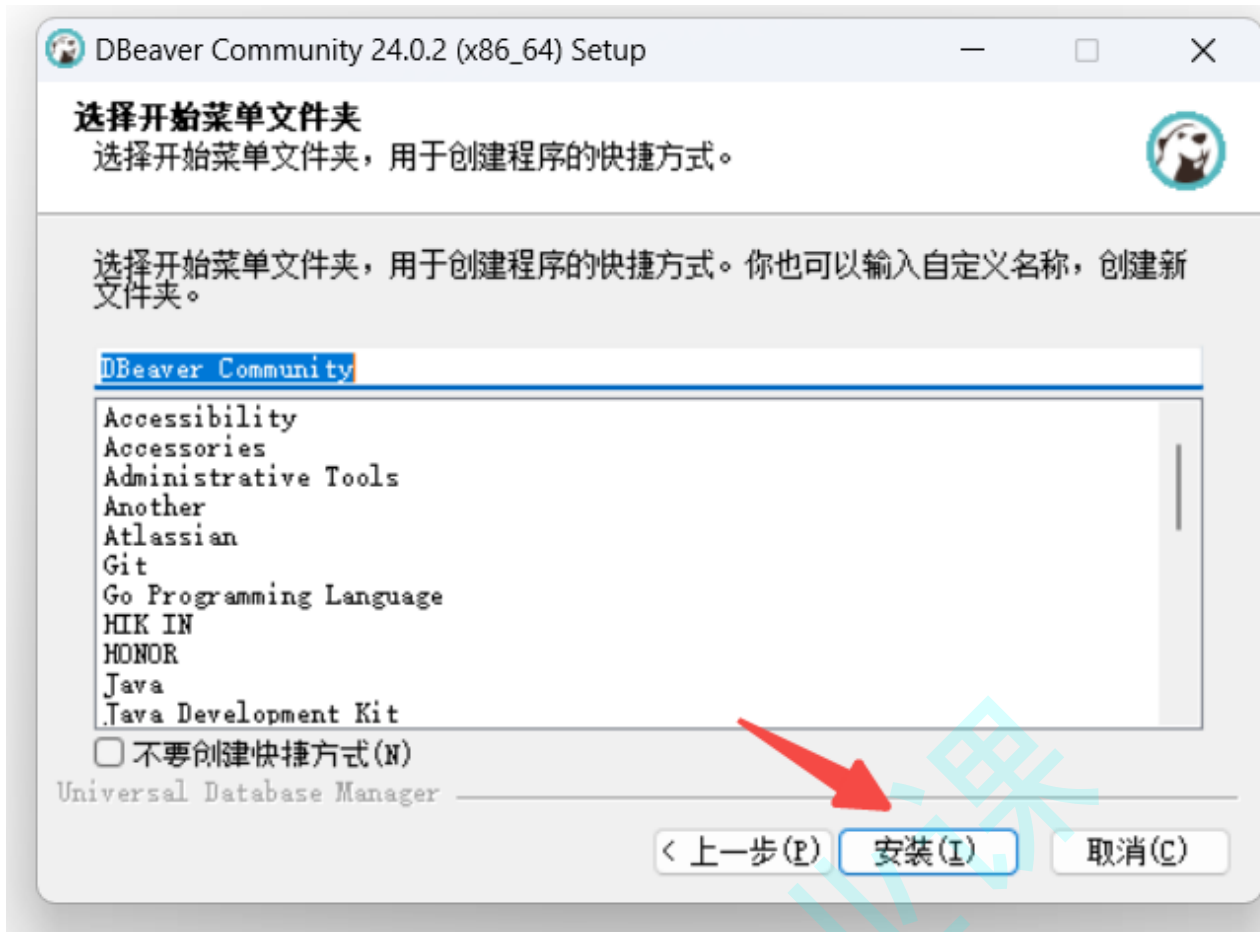
Universal Database Manager

< 上一步(B)

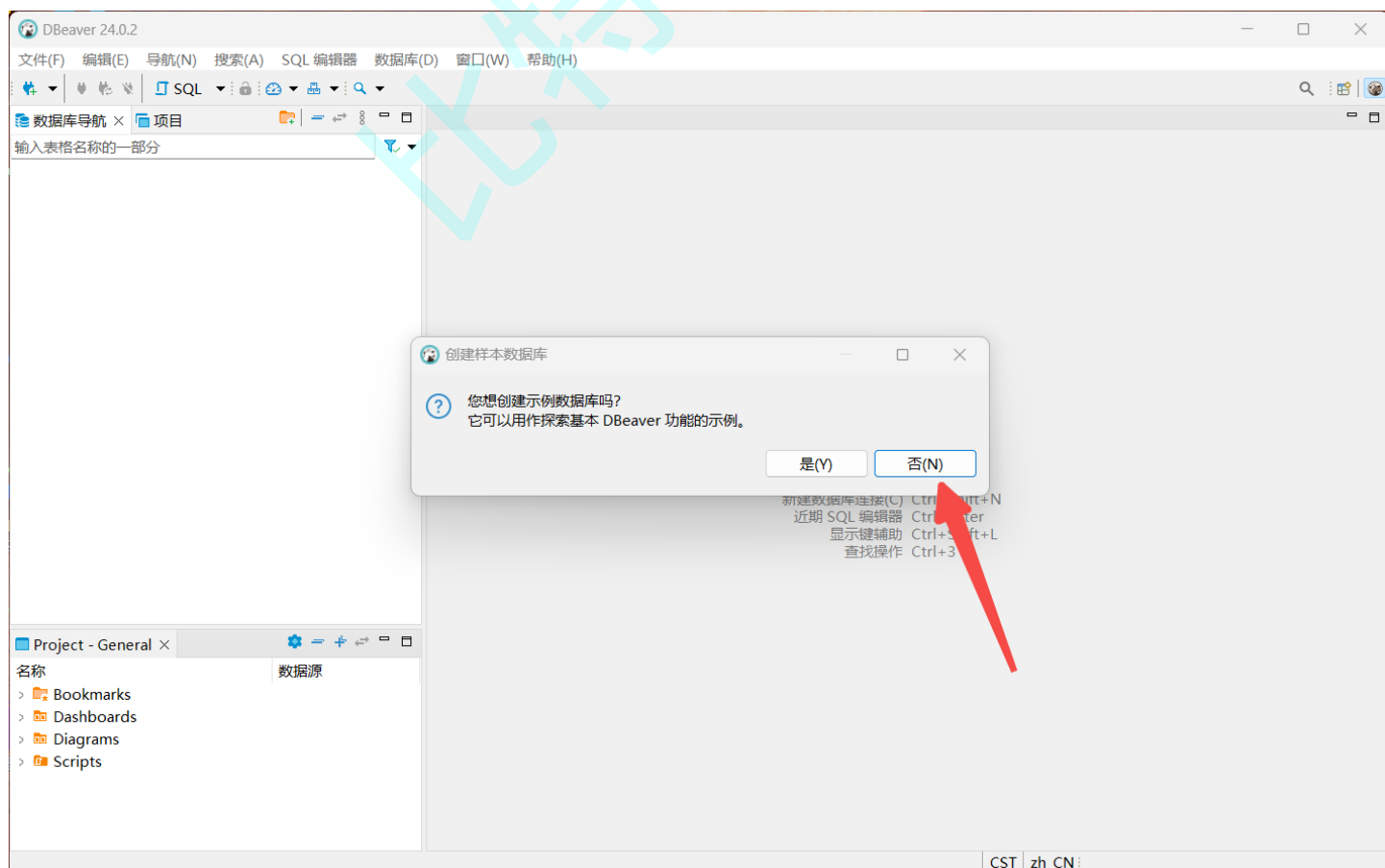
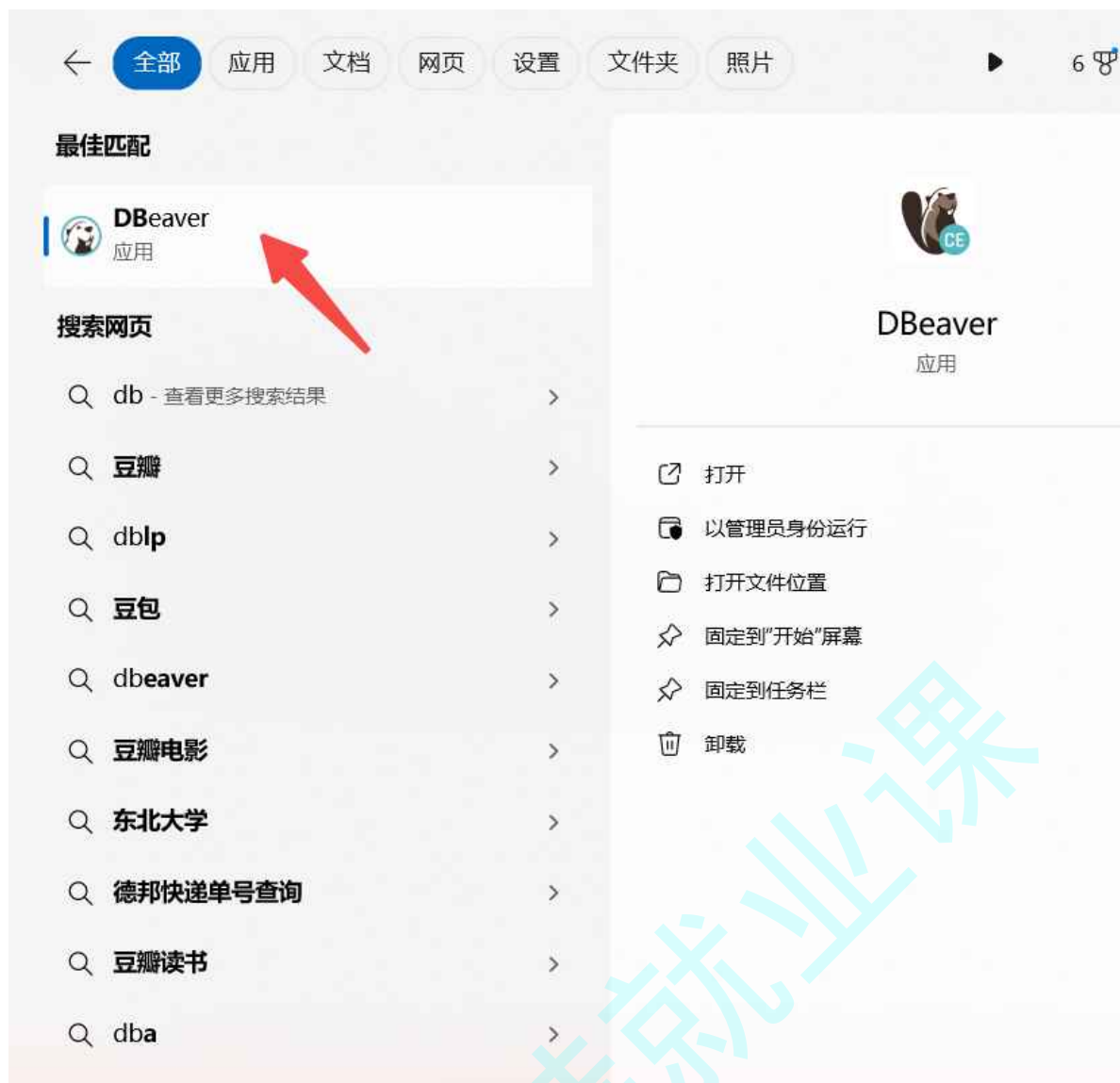
下一步(N) >

取消(C)



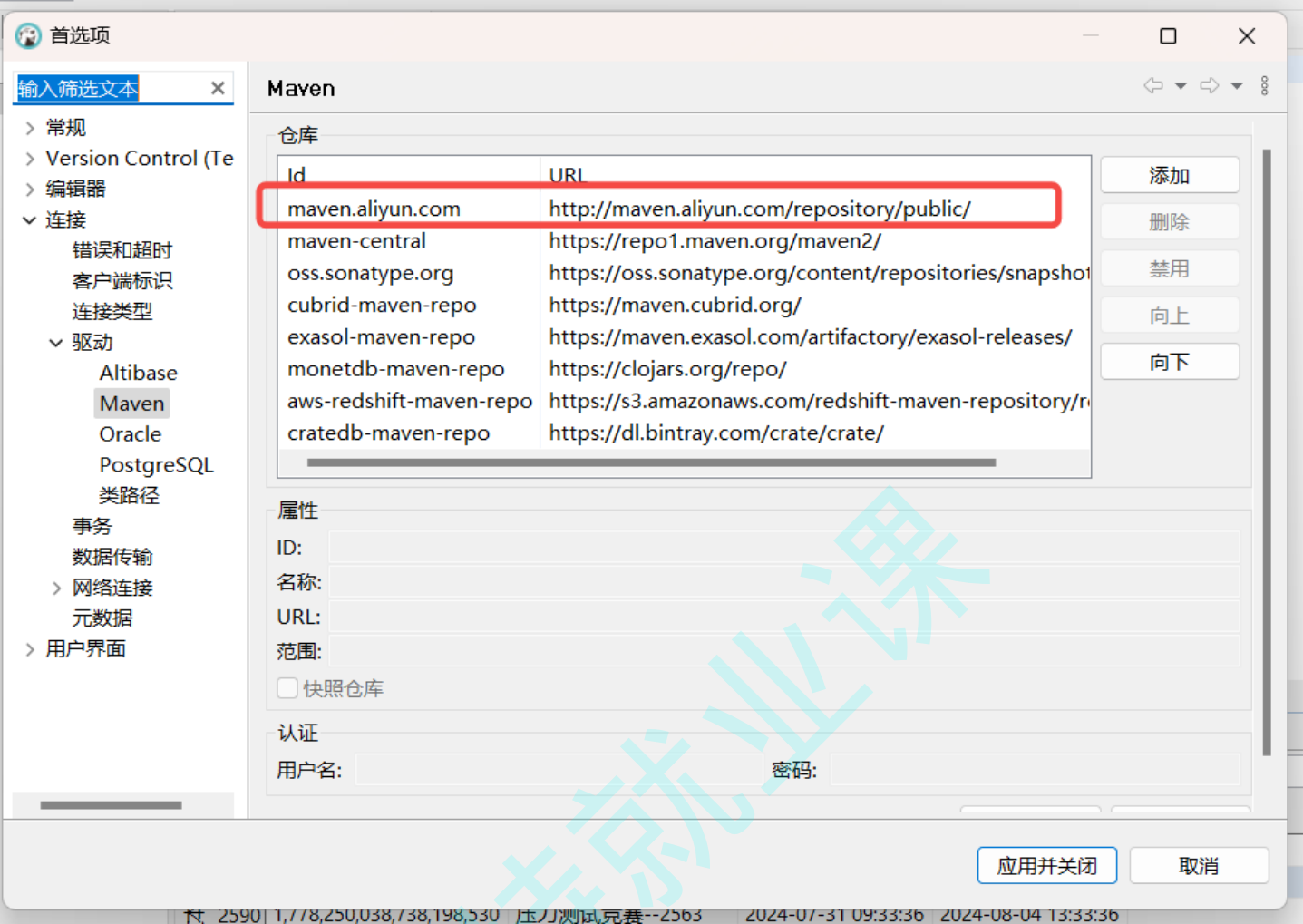


运行DBServer

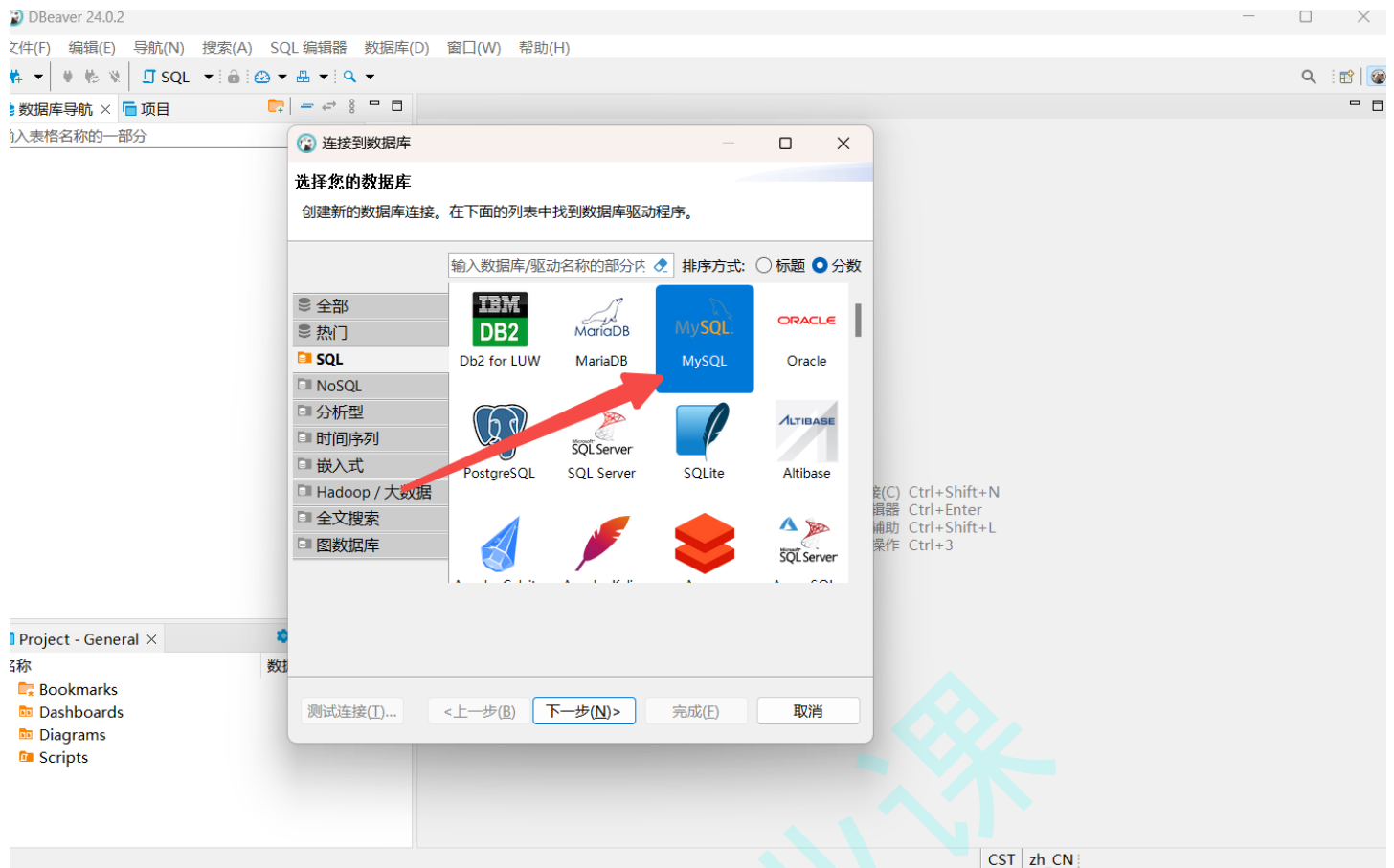


配置maven

配置阿里云镜像地址：<http://maven.aliyun.com/repository/public/>



配置连接数据库



测试连接

连接设置

MySQL 连接设置



主要 驱动属性 SSH SSL

+ Network configurations...

Server

连接方式: ☒ 主机 ☐ URL

URL: idbc:mysql://localhost:3306/

服务器地址: localhost

端口: 3306

数据库:

认证 (Database Native)

用户名: ojtest

密码:

●●●●●●

☒ 保存密码

Advanced

服务器时区: 自动检测

本地客户端: MySQL Binaries

[① 可以在连接参数中使用变量](#)

连接详情(名称、类型 ...)

驱动名称: MySQL

编辑驱动设置

测试连接(T)...

< 上一步(B)

下一步(N) >

完成(E)

取消

