

Setting Up iDempiere Customization Development Environment

Prerequisites

- Operating System: Windows/Linux/macOS
 - Java Development Kit (JDK) 11 or higher
 - Eclipse IDE + DBeaver Plugin
 - PostgreSQL database
 - Git
-

Steps

- [Prerequisites](#)
 - [Steps](#)
 - [1. Install Java Development Kit \(JDK\):](#)
 - [2. Install Eclipse IDE:](#)
 - [3. Set up PostgreSQL:](#)
 - [4. Clone iDempiere Repository:](#)
 - [5. Import iDempiere Projects into Eclipse:](#)
 - [6. Set up Database Connection in Eclipse:](#)
 - [7. Build iDempiere Projects:](#)
 - [8. Run iDempiere Server:](#)
 - [9. Start Customization Development:](#)
 - [10. Version Control:](#)
 - [Conclusion](#)
-

1. Install Java Development Kit (JDK):

- Download and install JDK from the official Oracle website or use a package manager like [apt](#), [brew](#), or [yum](#).
- Set the JAVA_HOME environment variable to the JDK installation directory.
- Visit [Oracle Website for downloading](#)

2. Install Eclipse IDE:

- Download Eclipse IDE for Java EE Developers from the official website. Visit [Eclipse.org](#) for downloading Eclipse Java EE Developer 2023-12 version. [Eclipse.org](#)
- Extract the downloaded archive and run Eclipse.

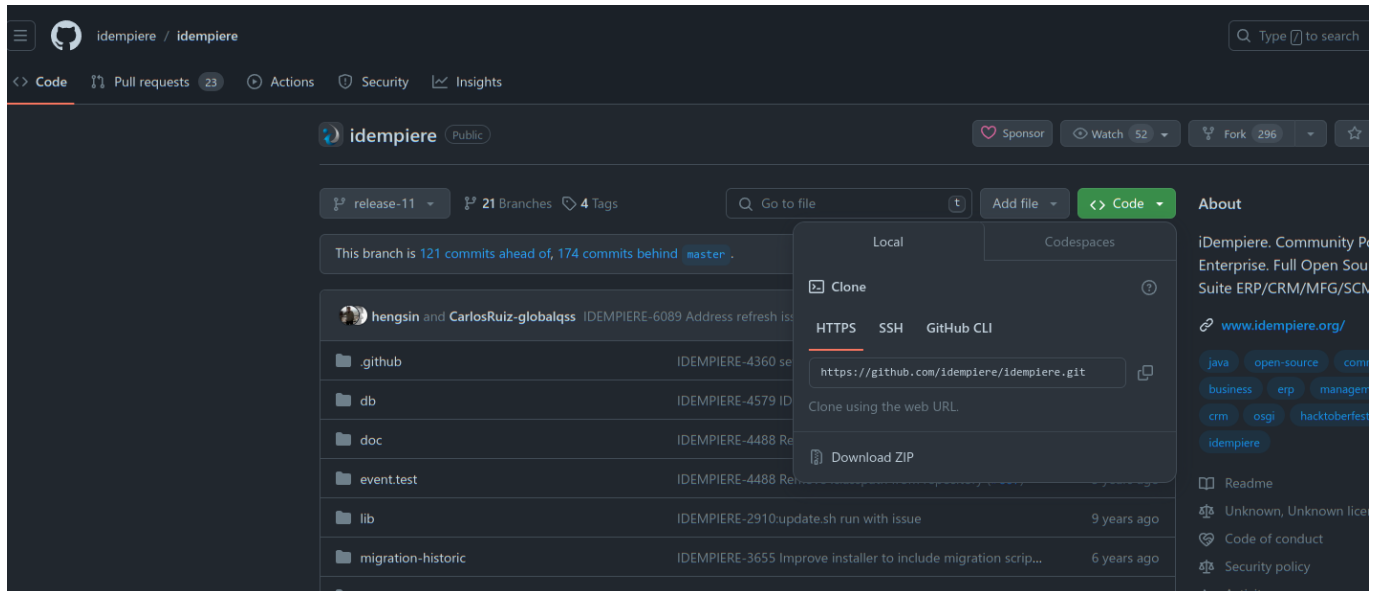
3. Set up PostgreSQL:

- Download and install PostgreSQL database from the official website [PostgreSQL Website](#).
- Configure PostgreSQL by creating a new database and user for iDempiere.
- Note down the database name, username, and password for later use.

4. Clone iDempiere Repository:

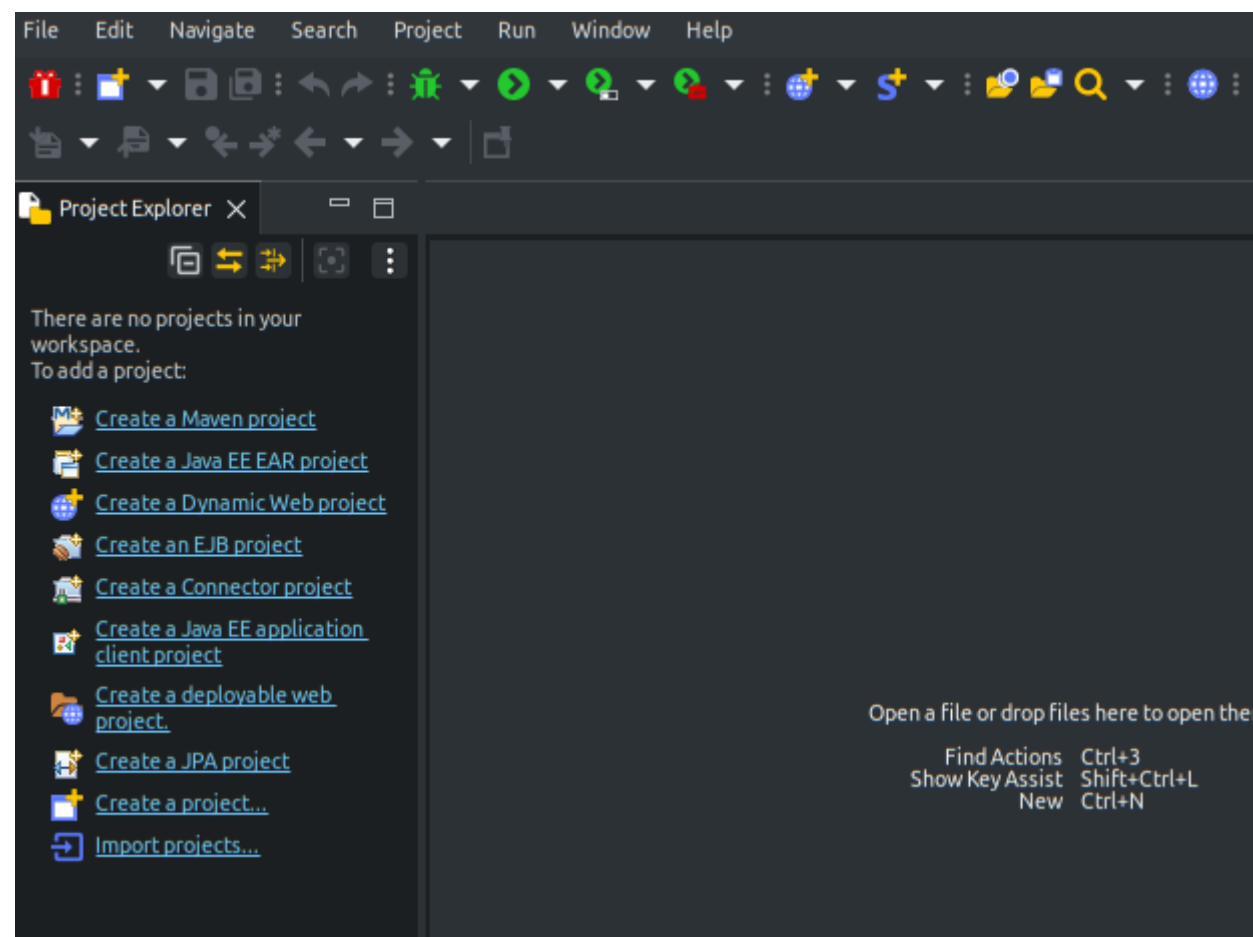
- Open terminal/command prompt.
- Navigate to the directory where you want to store iDempiere source code.
- Execute the following command to clone the iDempiere repository:

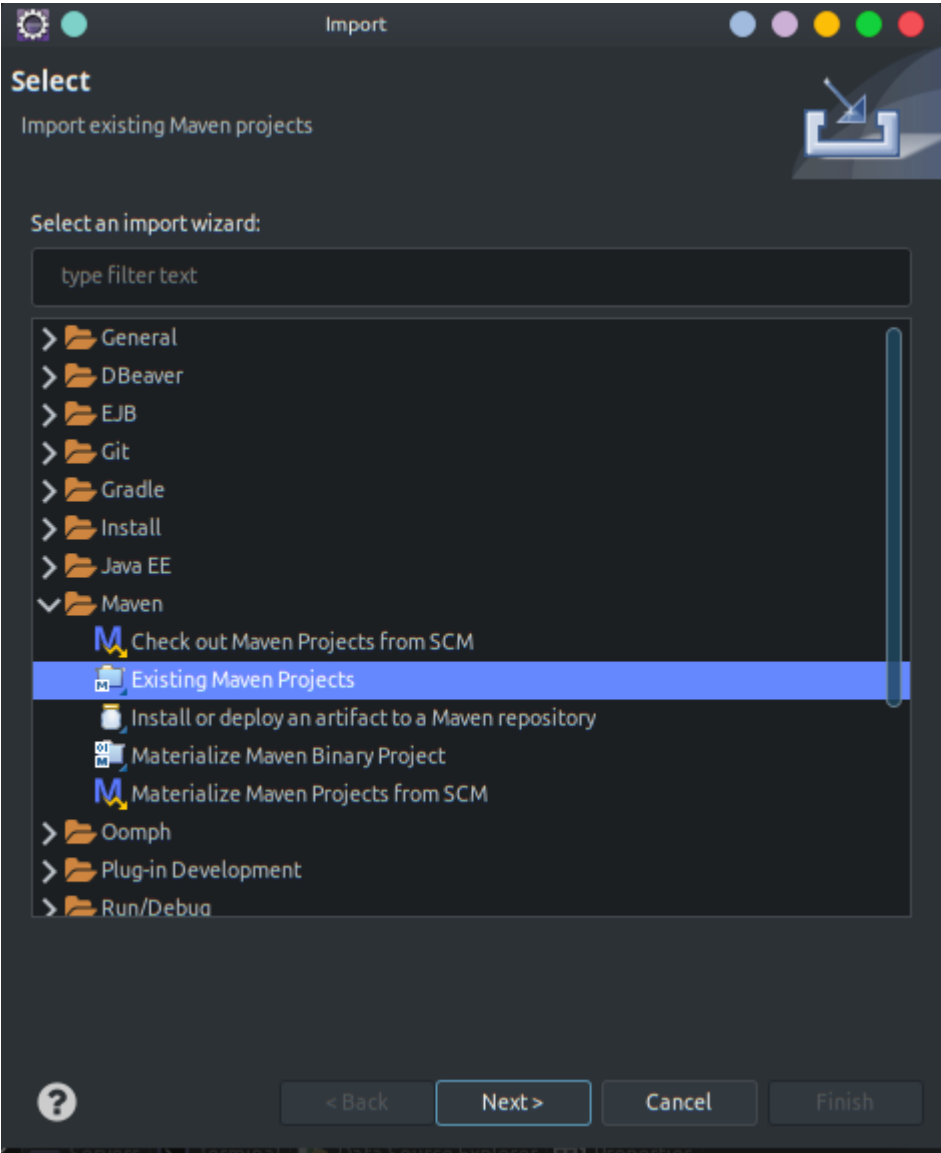
```
git clone https://github.com/idempiere/idempiere.git
```

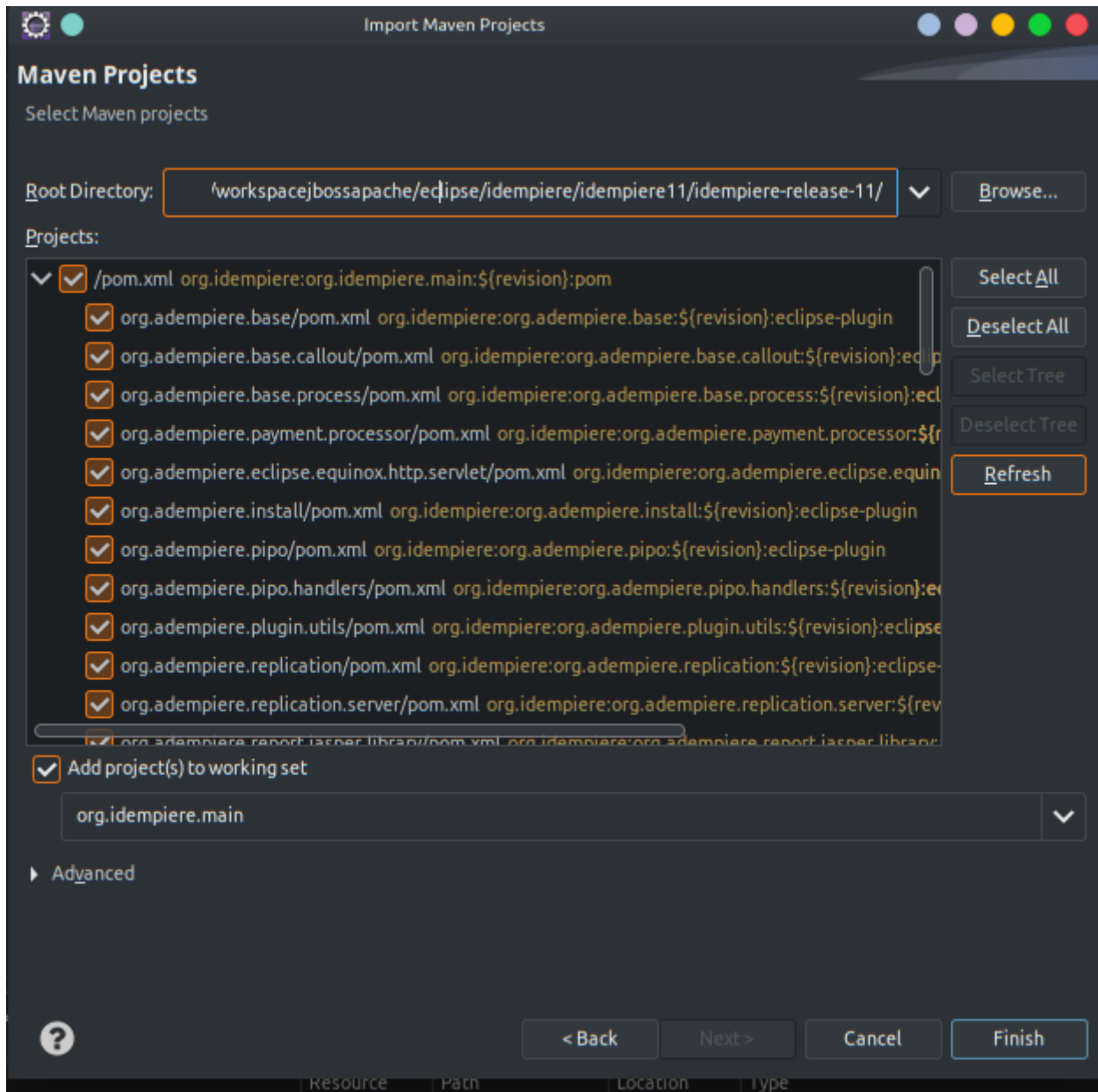


5. Import iDempiere Projects into Eclipse:

- Open Eclipse IDE.
- Go to File -> Import -> Existing Projects into Workspace.
- Browse to the directory where you cloned iDempiere repository and import the projects.

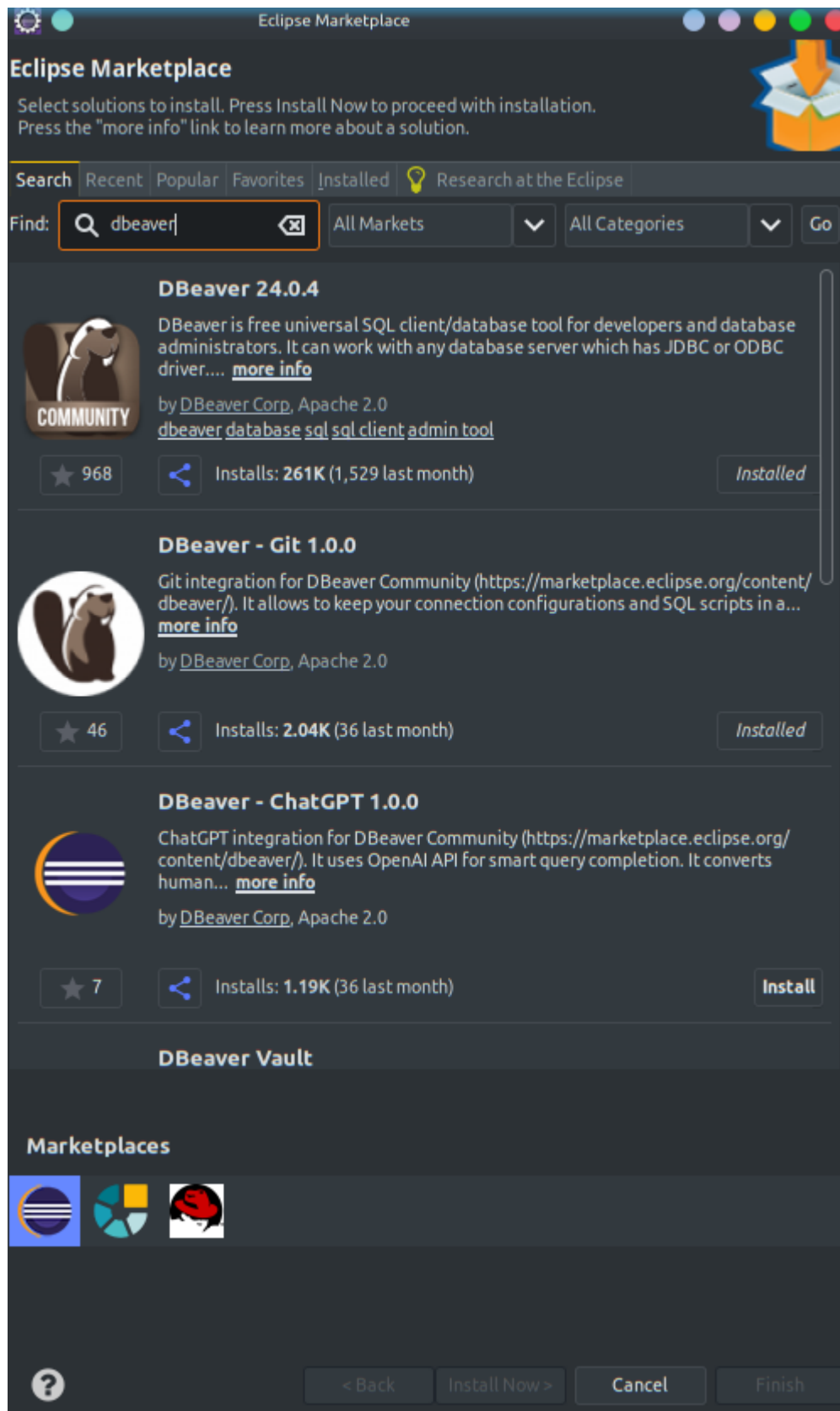






6. Set up Database Connection in Eclipse:

- In Eclipse, go to Window -> Show View -> Data Source Explorer.
- Right-click on Database Connections and select New.
- Choose PostgreSQL from the list and enter the database connection details (URL, username, password).
- Test the connection and save it.
- If using DBeaver, install DBeaver plugin by Update site URL: <https://dbeaver.io/update/latest/> (Multiplatform) go to Help -> Eclipse Marketplace -> put **dbeaver** as search key, after shown in list, click **Install** and **Finish**.



7. Build iDempiere Projects:

- Right-click on the iDempiere project in Eclipse.
- Select Run As -> Maven build.
- In the goals field, enter `install` and click Run.

8. Run iDempiere Server:

- Navigate to the directory where iDempiere is cloned.
- Run the following command to start the server:

```
./idempiere-server/startup.sh
```

- Access iDempiere application via web browser using the configured URL (usually <http://localhost:8080>).
-

9. Start Customization Development:

- Now you have a running iDempiere instance and can start developing customizations.
 - Use Eclipse for coding, debugging, and testing your customizations.
 - Deploy your customizations to the running iDempiere server for testing.
-

10. Version Control:

- Use Git for version control of your customization code.
 - Commit changes regularly and push them to your repository.
-

Conclusion

You now have a fully functional development environment set up for iDempiere customization. Start developing and enhancing iDempiere according to your project requirements.