



PostgreSQL Installation Guide for Local PC and Mac

PostgreSQL is a powerful open-source relational database system. In this guide, we will cover the steps to install PostgreSQL on your local PC or Mac, set up PgAdmin, and write a basic query.

Installation Steps:

For Windows PC:

1. Download the PostgreSQL installer from the official website (<https://www.postgresql.org/download/windows/>).
2. Run the installer and follow the on-screen prompts.
3. During the installation process, you will be prompted to set a password for the default PostgreSQL user (postgres). Make sure to keep this password safe.
4. Click on the 'Stack Builder' option to install additional tools, such as PgAdmin.
5. Once installed, you can access PgAdmin by searching for it in the Start menu.

For Mac:

1. Download the PostgreSQL installer from the official website (<https://www.postgresql.org/download/macosx/>).
2. Run the installer and follow the on-screen prompts.
3. During the installation process, you will be prompted to set a password for the default PostgreSQL user (postgres). Make sure to keep this password safe.
4. Once installed, you can access PgAdmin by searching for it in the Applications folder.

Setting Up PgAdmin:

1. Open PgAdmin.
2. Click on the 'Add New Server' icon on the top-left corner.
3. Enter a name for the server in the 'Name' field.
4. Enter the login credentials for the default PostgreSQL user (postgres).
5. Click on the 'Save' button to add the server.

Writing a Basic Query:

1. Open PgAdmin and connect to the server.
2. In the left-hand pane, expand the server and select the database you want to query.
3. Click on the 'SQL' icon on the top-left corner to open the SQL editor.
4. Type in your SQL query in the editor.
5. Click on the 'Execute' button to run the query.

That's it! You now have PostgreSQL installed on your local PC or Mac, set up PgAdmin, and wrote a basic query. Happy querying!