- **General Information :**

1. **Postgresql Installation Process.**
2. **Release Date- 8-03-2024**
3. **Developer Name- Bhakta Charan Rout**

Install PostgreSQL on Windows

To install PostgreSQL on Windows, you follow these steps:

- First, download the PostgreSQL installer for Windows.
- Second, install PostgreSQL using the installer.
- Third, add the path to the PostgreSQL's bin directory to the PATH environment variable.

1) Download PostgreSQL Installer for Windows

First, go to the download page of https://www.postgresql.org/download/

Second, download the PostgreSQL for Windows x86-64 version 16.1 (or the latest version). It'll take a few minutes to complete.

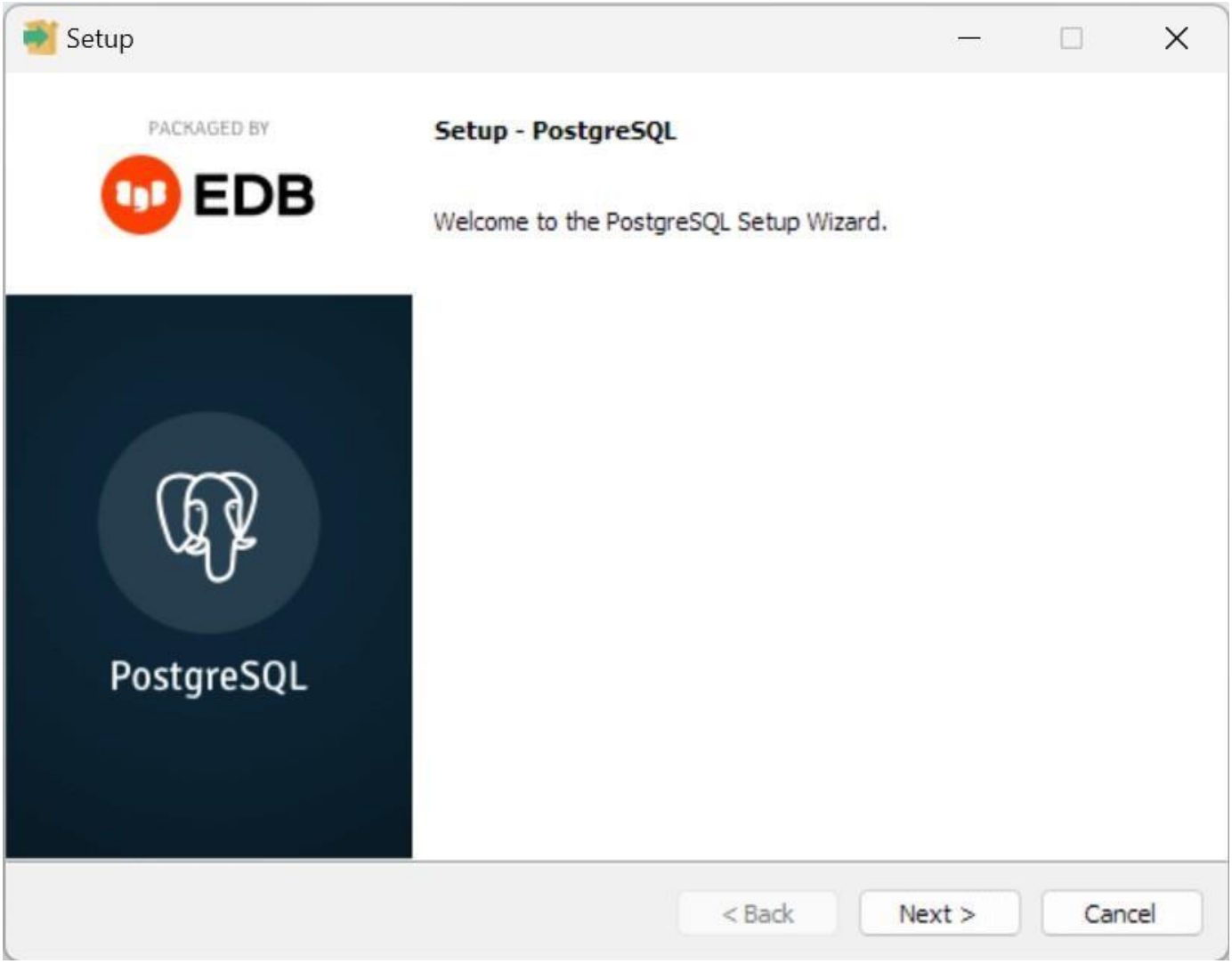
2) Install PostgreSQL on Windows step-by-step

To install PostgreSQL on Windows, you need to have administrator privileges.

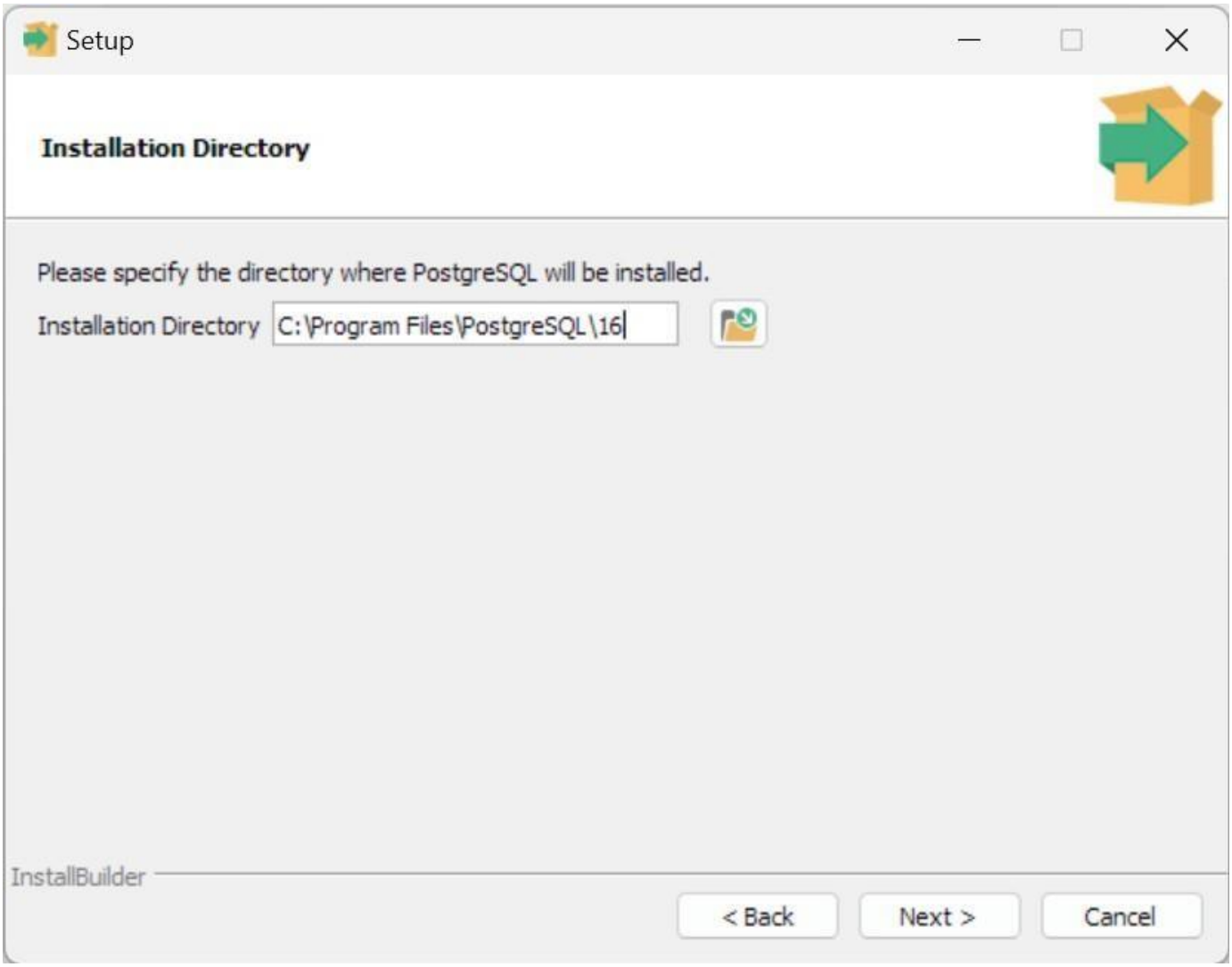
Step 1. Double-click on the installer file and an installation wizard will appear and guide you through multiple steps. Hence, you can choose various options based on your preferences for

PostgreSQL.

Step 2. Click the Next button



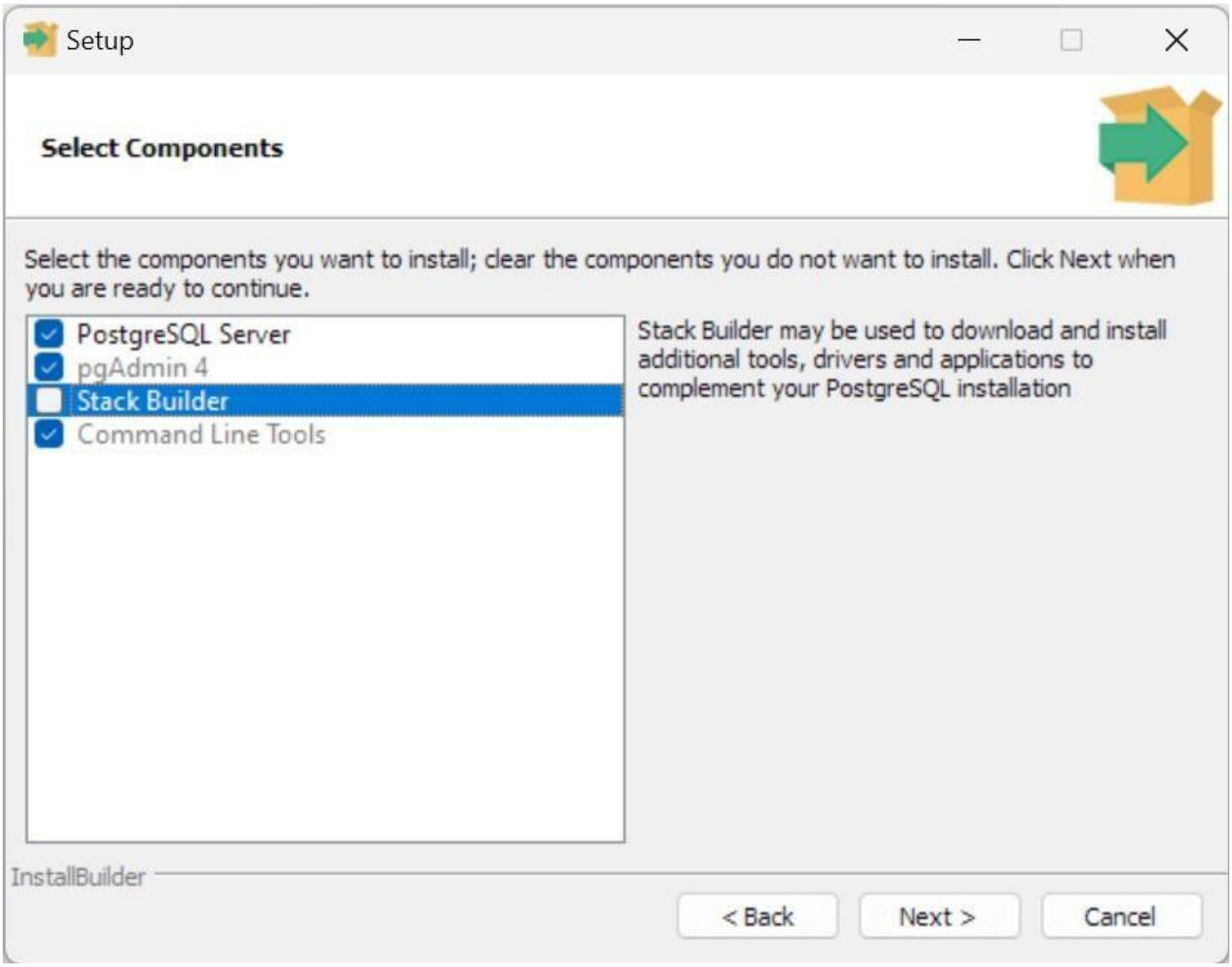
Step 3. Specify the installation directory by either choosing your preferred location or using the default folder suggested by the PostgreSQL installer and click the Next button



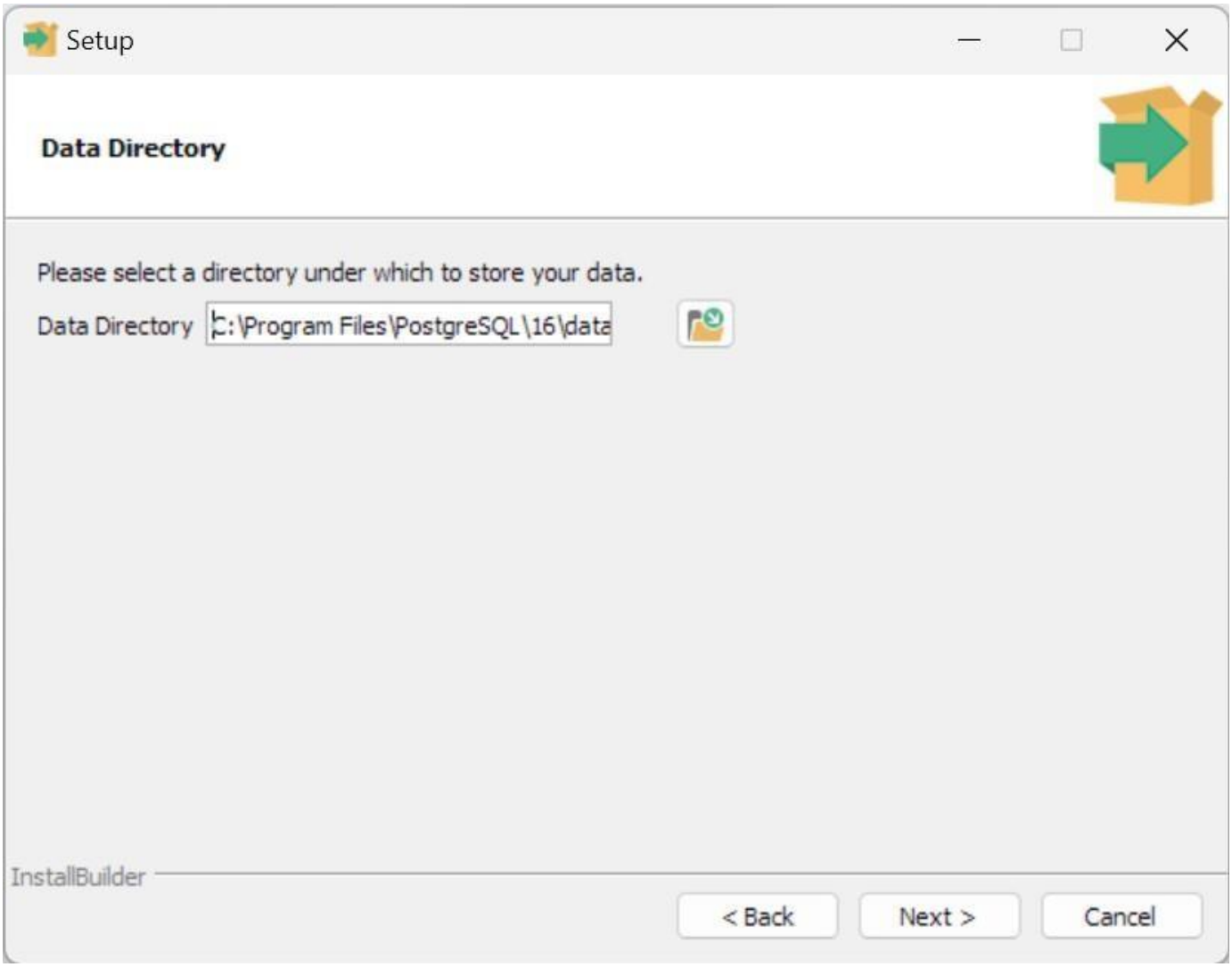
Step 4. Select software components to install:

- **PostgreSQL Server** option allows you to install the PostgreSQL database server
- **pgAdmin 4** option allows you to install the PostgreSQL database GUI management tool.
- **Stack Builder** provides a GUI that allows you to download and install drivers that work with PostgreSQL.
- **Command Line Tools** option allows you to install command-line tools such as `psql` , `pg_restore` , and so on. These tools allow you to interact with the PostgreSQL database server using the command-line interface.

For tutorials on this website, you can skill installing Stack Builder. Feel free to uncheck it and click the Next button to proceed to the data directory selection:



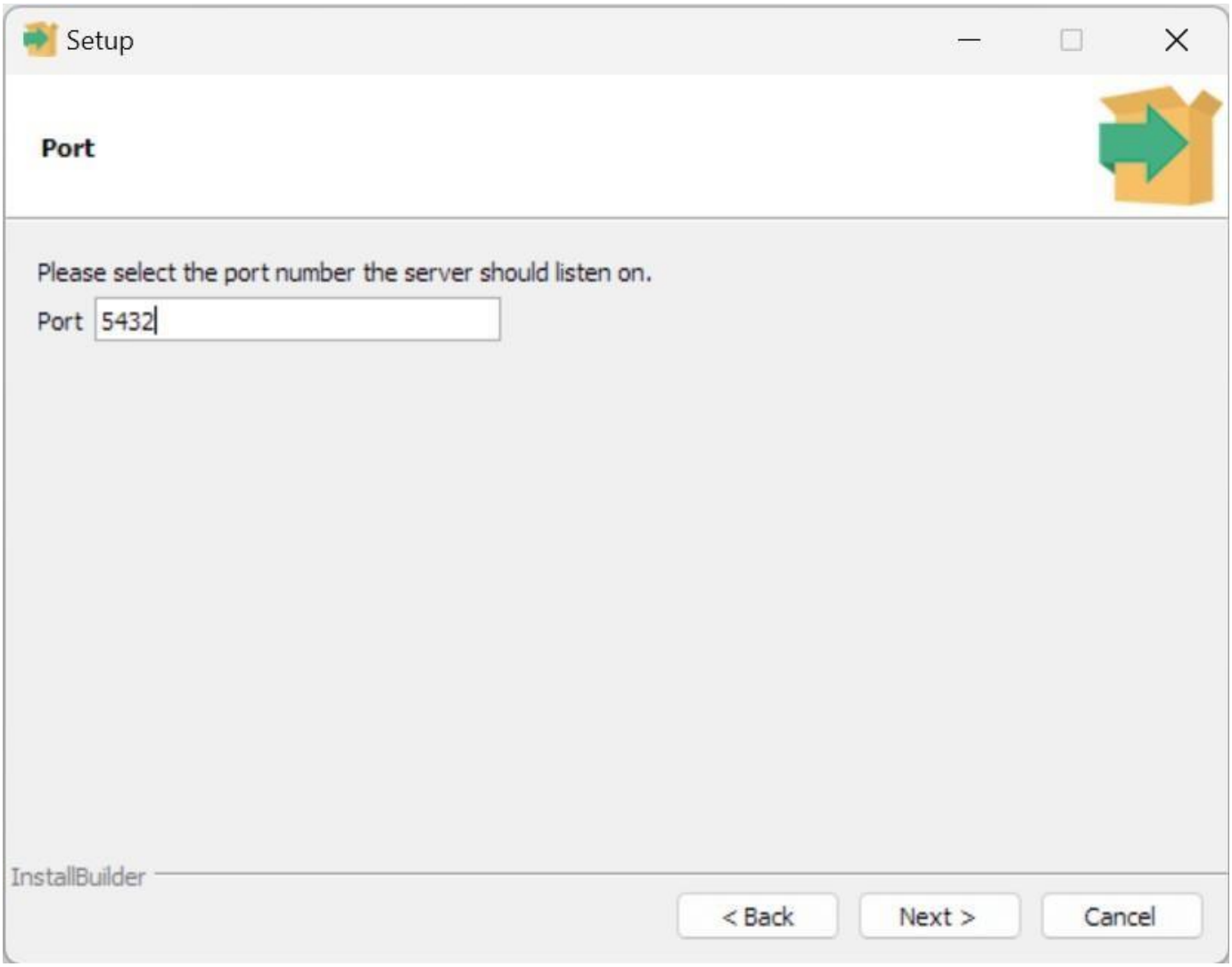
Step 5. Choose the database directory to store the data, or accept the default directory. Click the Next button to proceed to the next step:



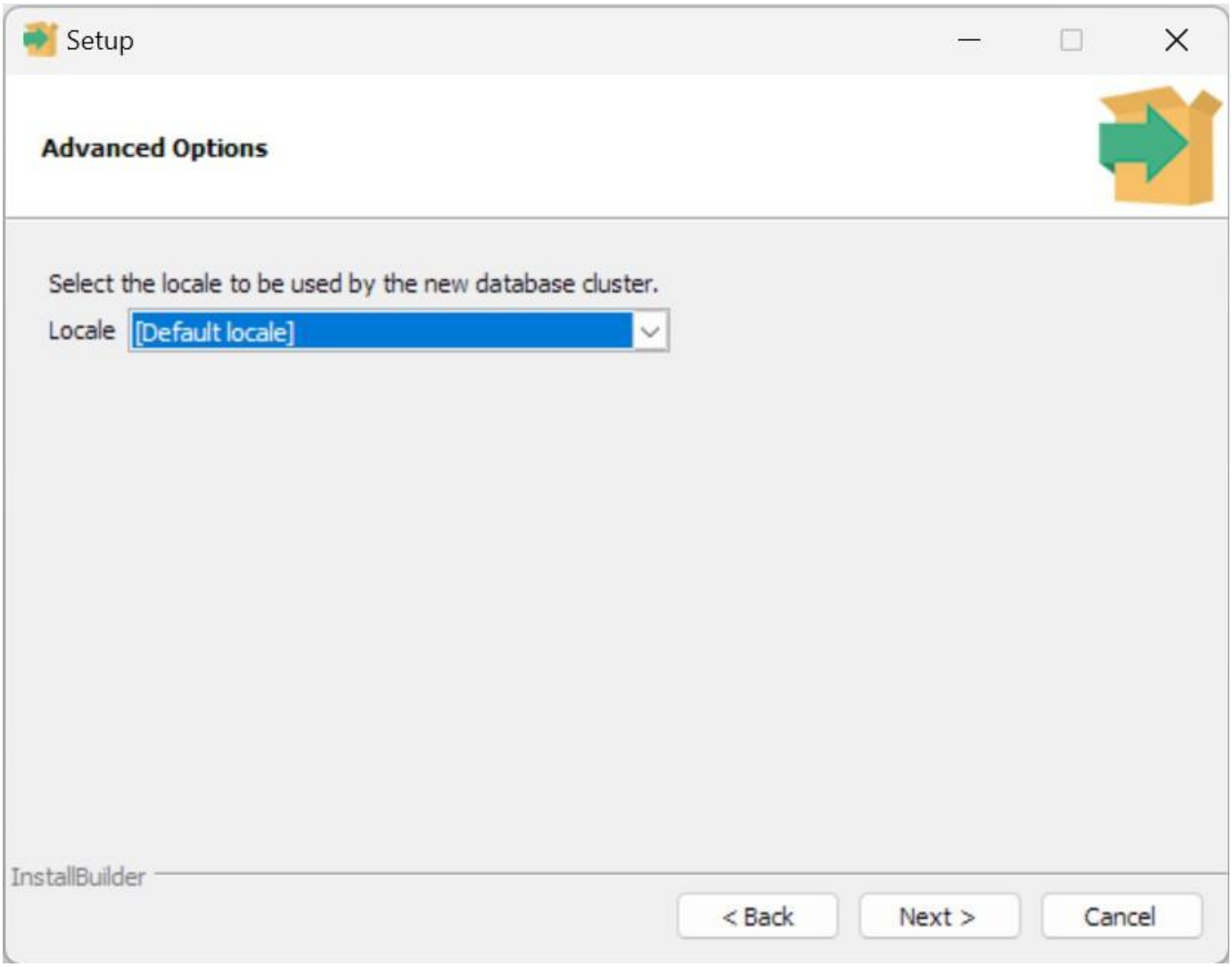
Step 6. Enter the password for the database.

After entering the password, retype for confirmation, and then click the Next button:

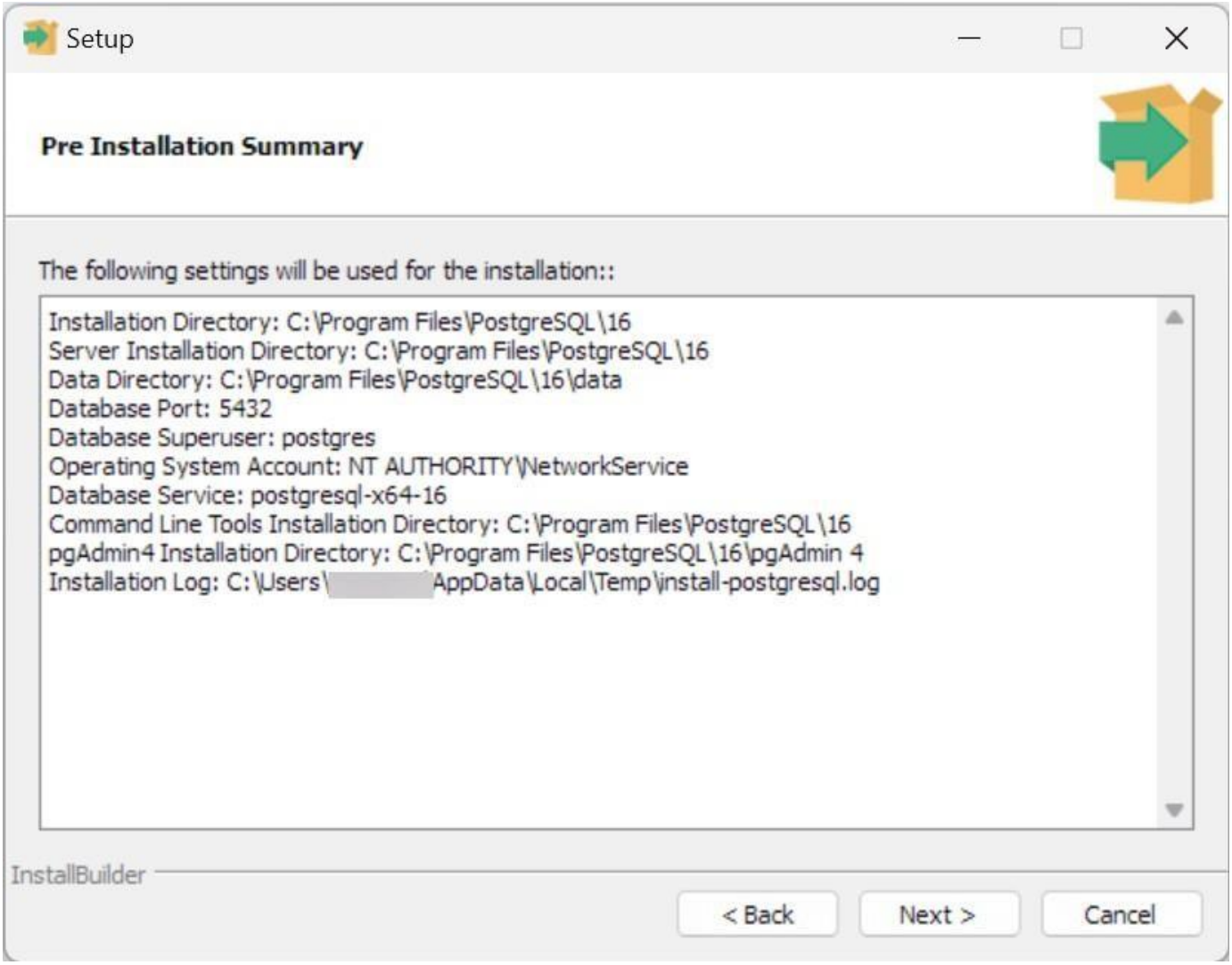
Step 7. Specify a port number on which the PostgreSQL database server will listen. The default port of PostgreSQL is 5432. Ensure that no other applications are using this port.



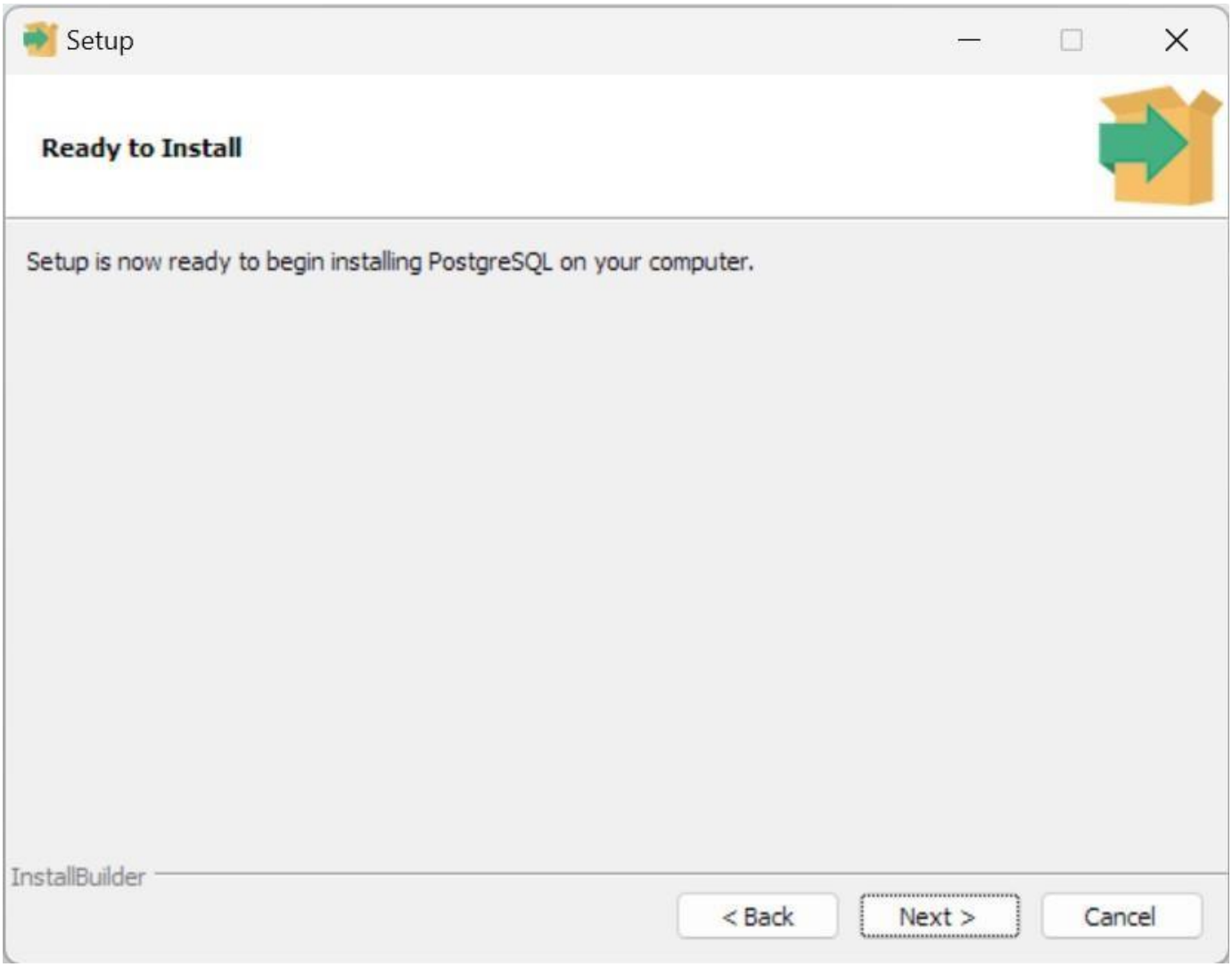
Step 8. Select the default locale for the PostgreSQL server. If you leave it as the default, PostgreSQL will use the operating system locale. Afterward, click the Next button.



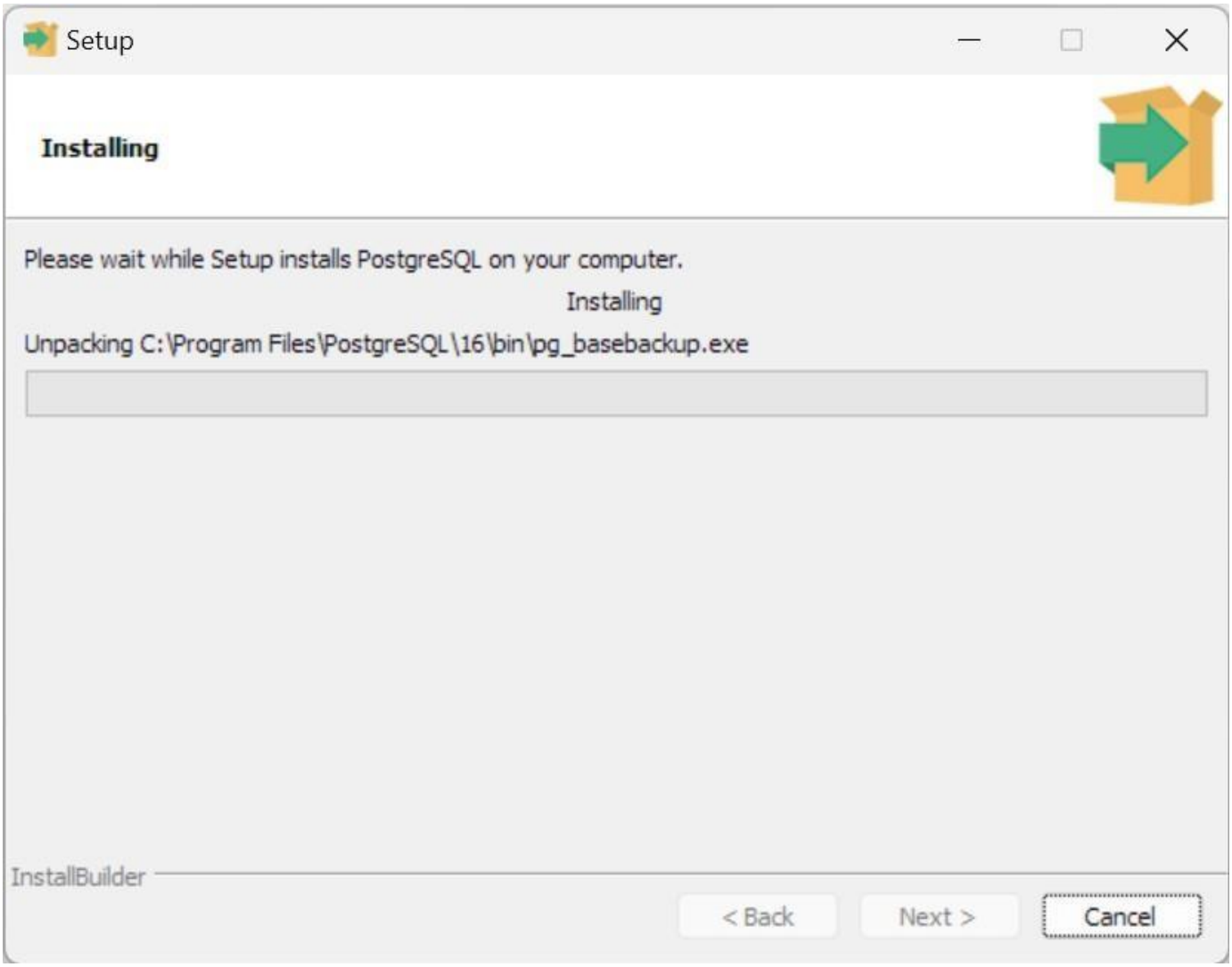
Step 9. The setup wizard will show the summary PostgreSQL information. Review the details, and if everything is correct, click the Next button. Otherwise, click the Back button to adjust the configuration accordingly.



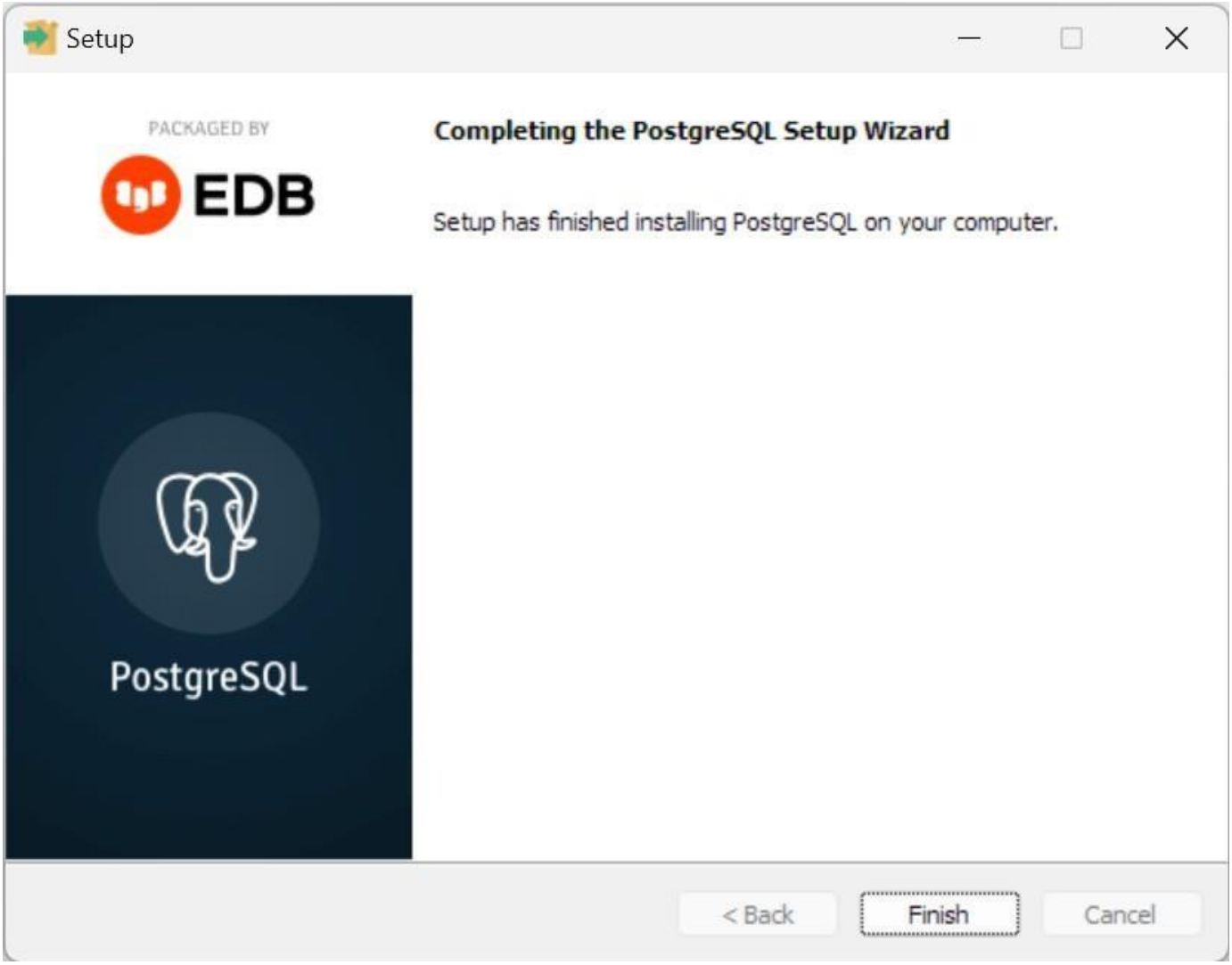
Now, you are ready to install PostgreSQL on your computer. Click the **Next** button to initiate PostgreSQL installation.



The installation may take a few minutes to complete.



Step 10. Click the **Finish** button to complete the PostgreSQL installation.



3) Adding bin directory to the PATH environment variable

By adding the bin directory of the PostgreSQL to the `PATH` environment variable, you enable the execution of common PostgreSQL tools, such as `plsql` and `pg_restore` , from any directory without the need to navigate the bin directory first.