



Installing pgAdmin and Postgres

Data Boot Camp
Lesson 8.1





Similar to coding with Python using Visual Studio Code, **SQL requires a code editor** with the ability to execute the scripts developers (you!) create.

Before you Begin

01

Remember to choose the installation package specific to your operating system.

02

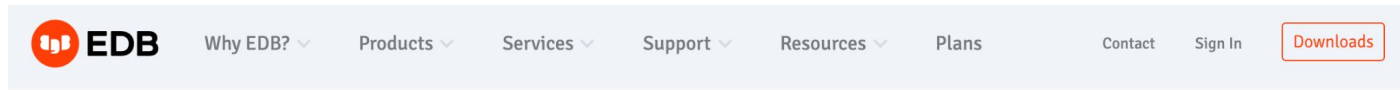
Download the latest of version 11.

03

Be prepared to record a password, this will be needed later!

Instructions: Installing pgAdmin and Postgres

- Go to the download page of PostgreSQL installers on the EnterpriseDB.
 - Check your slack for the link.
- Download installer for your respective operating system.
- **Note:** It will take a few minutes to complete the download.



PostgreSQL Database Download

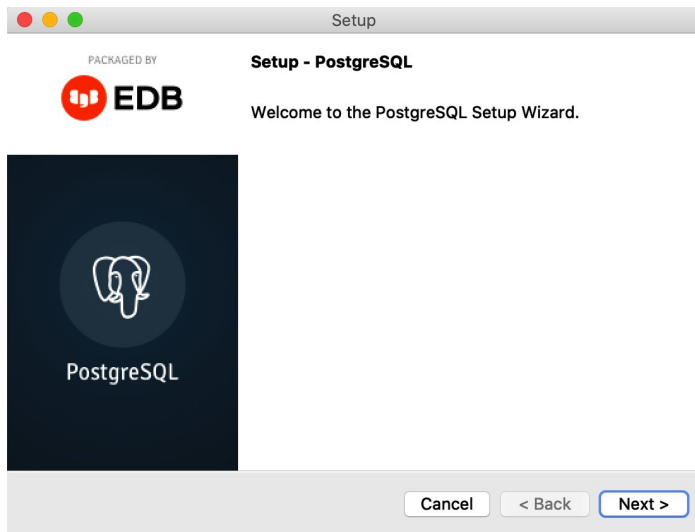
Version	Linux x86-64	Linux x86-32	Mac OS X	Windows x86-64	Windows x86-32
13.3	N/A	N/A	Download	Download	N/A
12.7	N/A	N/A	Download	Download	N/A

Instructions

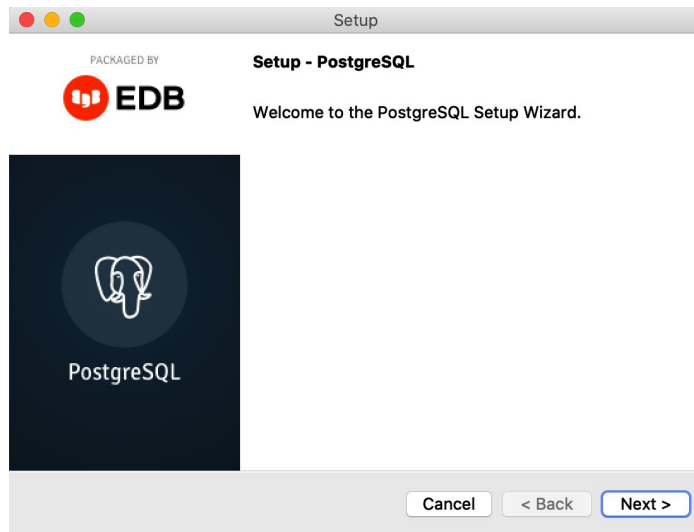
Installing pgAdmin and Postgres

- An installation wizard will appear and guide you through multiple steps where you can choose different options that you would like to have in PostgreSQL. Click **“Next”** to proceed.

mac



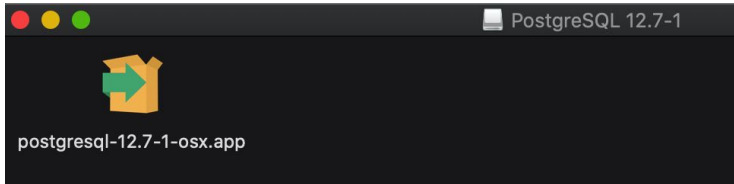
Windows



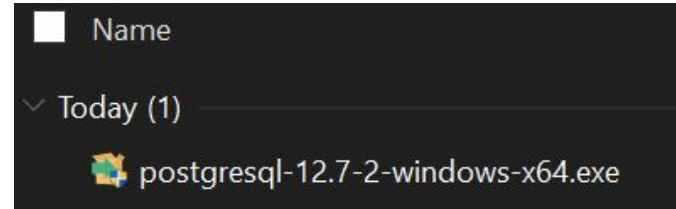
Instructions: Installing pgAdmin and Postgres

- Double click on the installer file.

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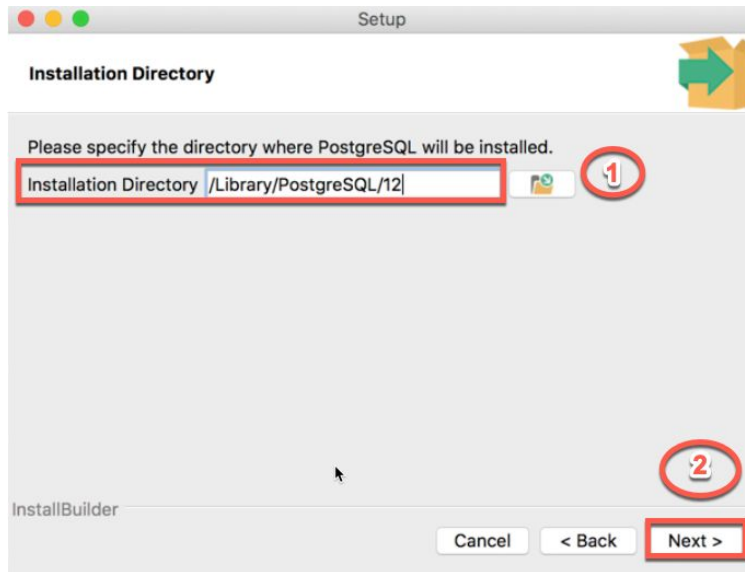
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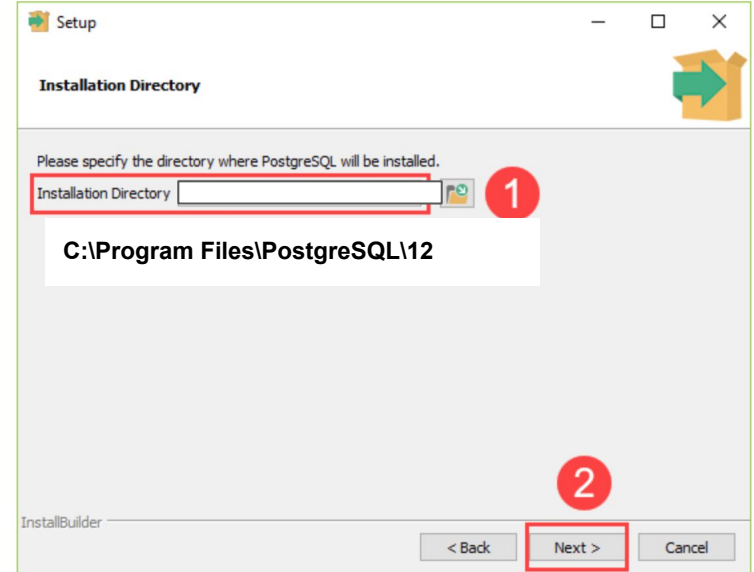
Installing pgAdmin and Postgres

- Specify installation folder, **choose your own or keep the default folder** suggested by PostgreSQL installer and click **“Next”**.

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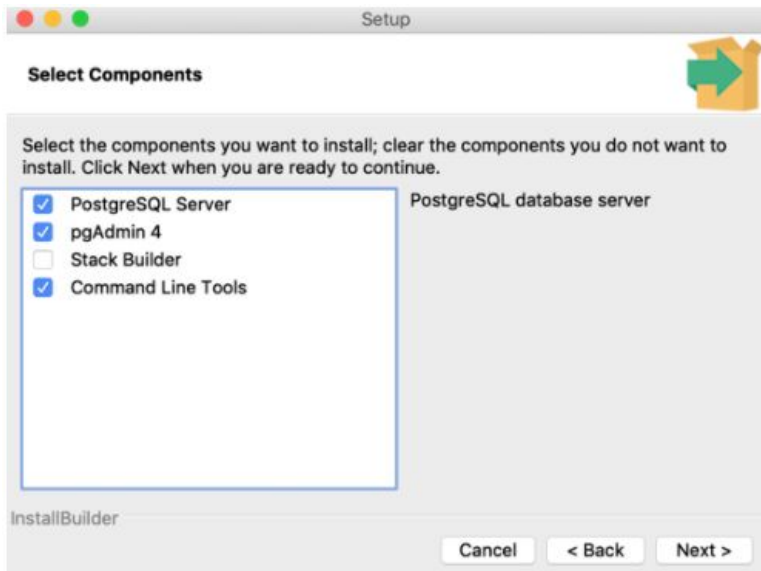
Windows



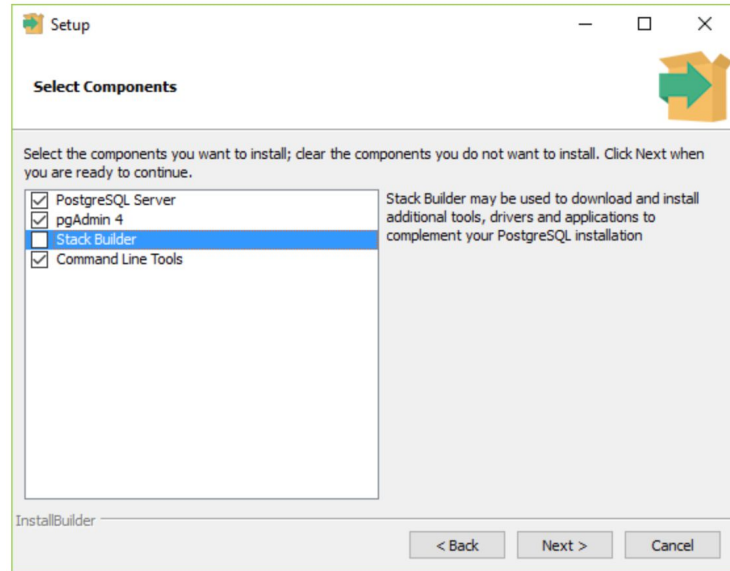
Instructions: Installing pgAdmin and Postgres

- Select components to be installed and click “**Next**”.
- **Note:** Make sure to uncheck ‘Stack Builder’.

mac



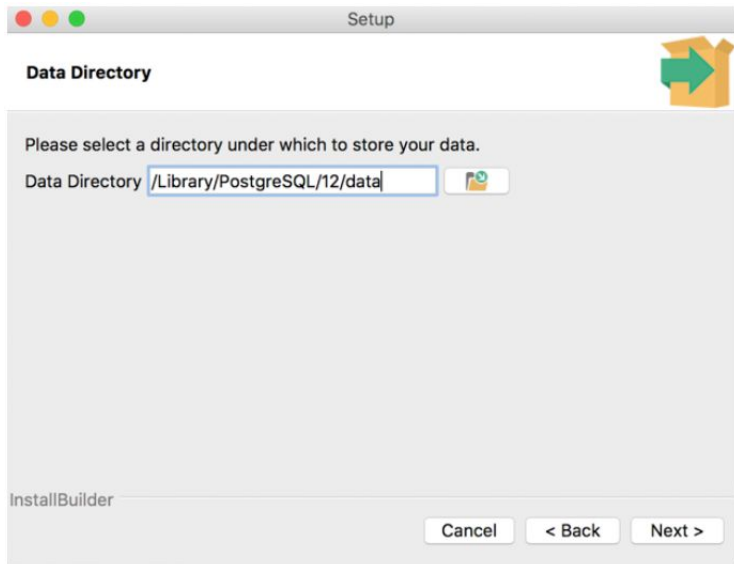
Windows



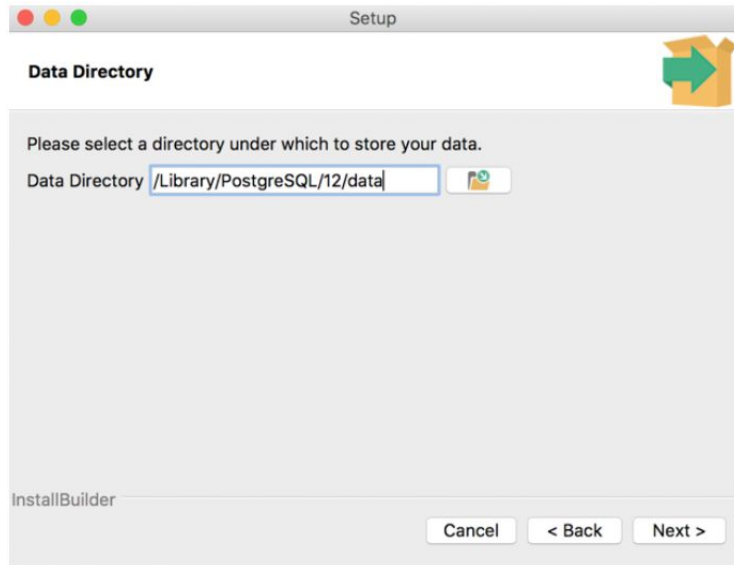
Instructions: Installing pgAdmin and Postgres

- Select the database directory to store the data. Just **leave it by default or choose your own** and click **“Next”**.

mac



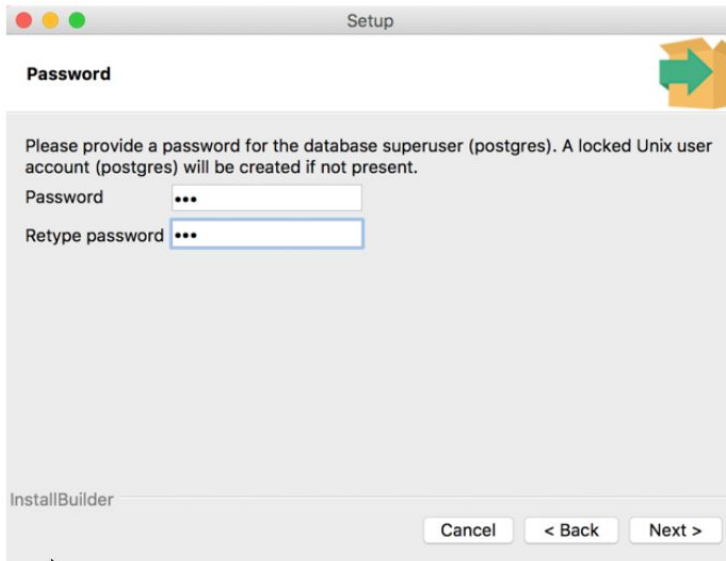
Windows



Instructions: Installing pgAdmin and Postgres

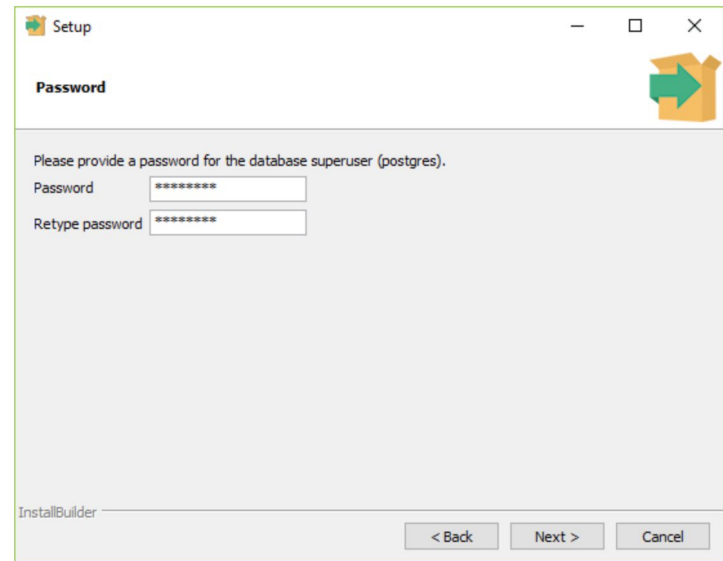
- Create a password for the database superuser (postgres). Provide an appropriate password and click “**Next**”.

mac



The Mac Setup window is titled "Setup" and has a standard macOS title bar with red, yellow, and green window control buttons. Below the title bar, the word "Password" is displayed in bold. To the right of the text is a green arrow pointing right, superimposed on an orange box icon. The main content area contains the text: "Please provide a password for the database superuser (postgres). A locked Unix user account (postgres) will be created if not present." Below this text are two input fields. The first is labeled "Password" and contains three dots. The second is labeled "Retype password" and also contains three dots. At the bottom of the window, the text "InstallBuilder" is on the left, and three buttons are on the right: "Cancel", "< Back", and "Next >".

Windows

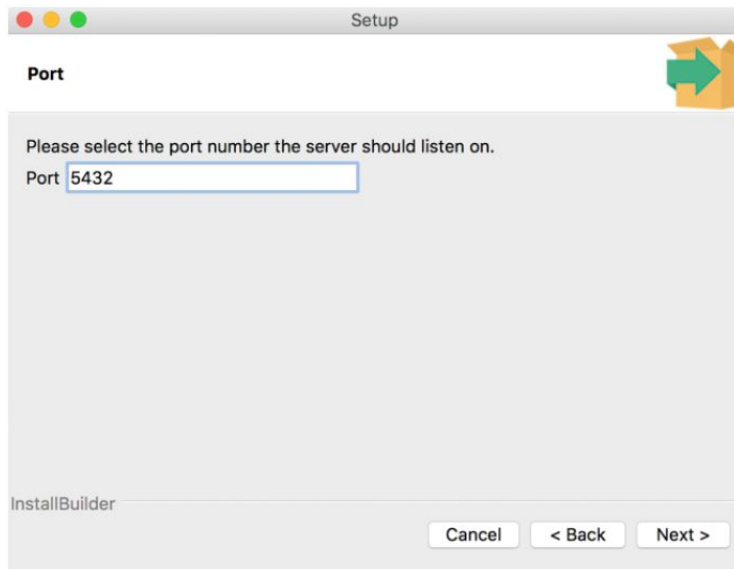


The Windows Setup window is titled "Setup" and has a standard Windows title bar with minimize, maximize, and close buttons. Below the title bar, the word "Password" is displayed in bold. To the right of the text is a green arrow pointing right, superimposed on an orange box icon. The main content area contains the text: "Please provide a password for the database superuser (postgres)." Below this text are two input fields. The first is labeled "Password" and contains eight asterisks. The second is labeled "Retype password" and also contains eight asterisks. At the bottom of the window, the text "InstallBuilder" is on the left, and three buttons are on the right: "< Back", "Next >", and "Cancel".

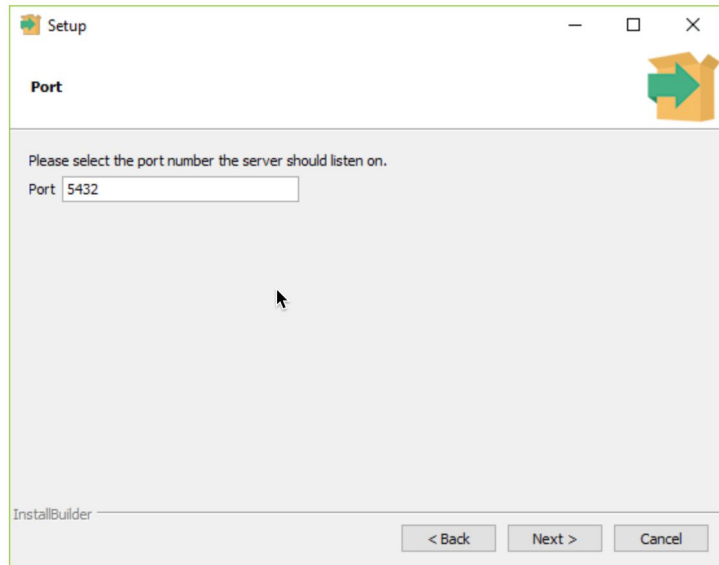
Instructions: Installing pgAdmin and Postgres

- Enter the port number for PostgreSQL. Provide an appropriate port number. **The default port number is 5432. Make sure the port is open from your firewall** and the traffic on that port is accessible. Click **“Next”**.

mac



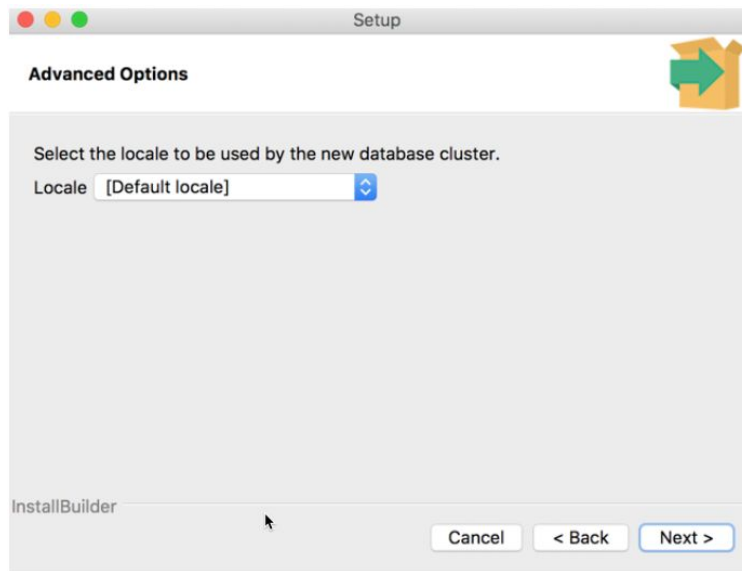
Windows



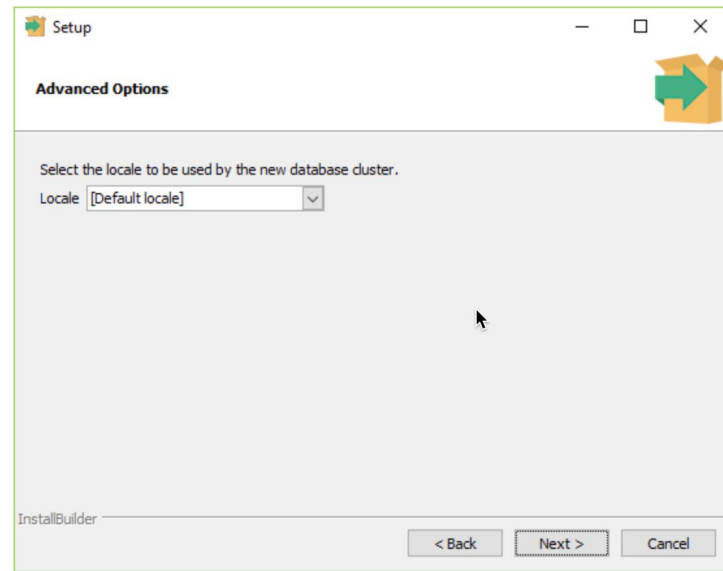
Instructions: Installing pgAdmin and Postgres

- Choose the default locale used by the database and click “**Next**”.

mac



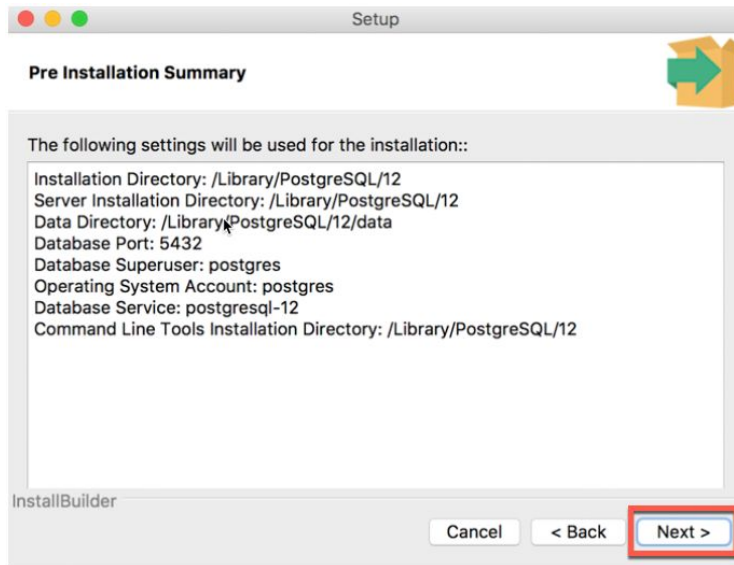
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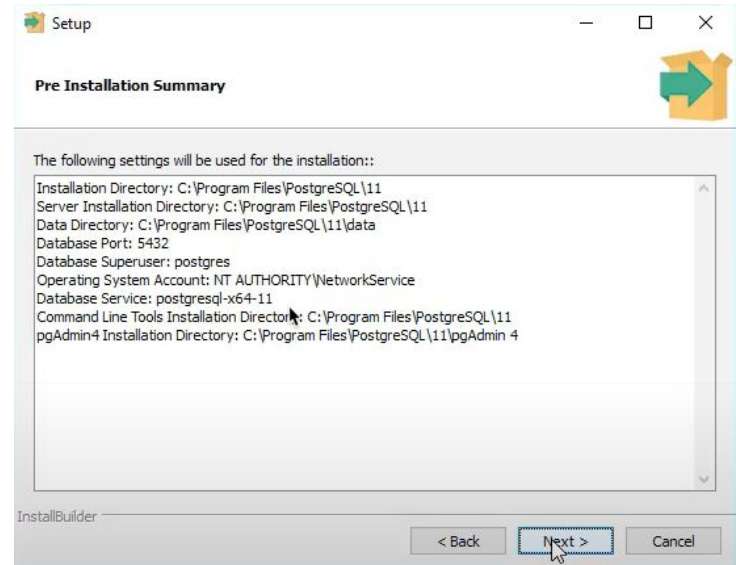
Installing pgAdmin and Postgres

- A summary of your selections will be provided. Review it and click “**Next**”.

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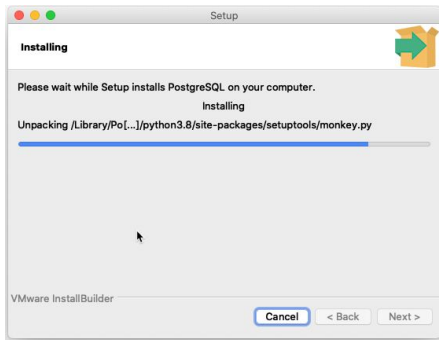
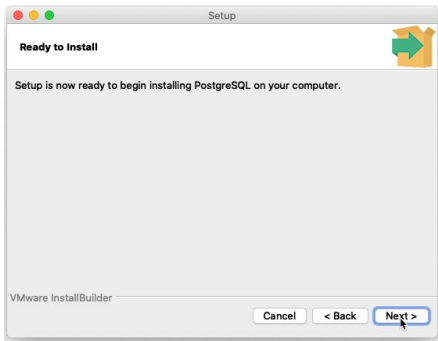
Windows



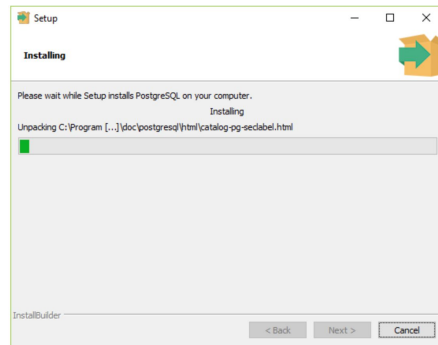
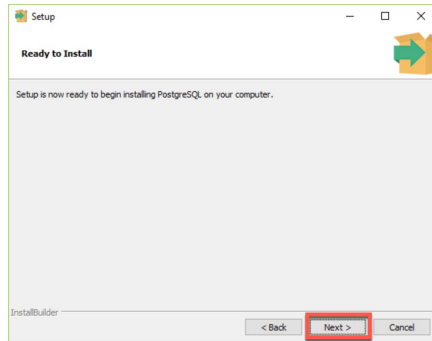
Instructions: Installing pgAdmin and Postgres

- Ready to install PostgreSQL. Click “**Next**” to proceed.

mac



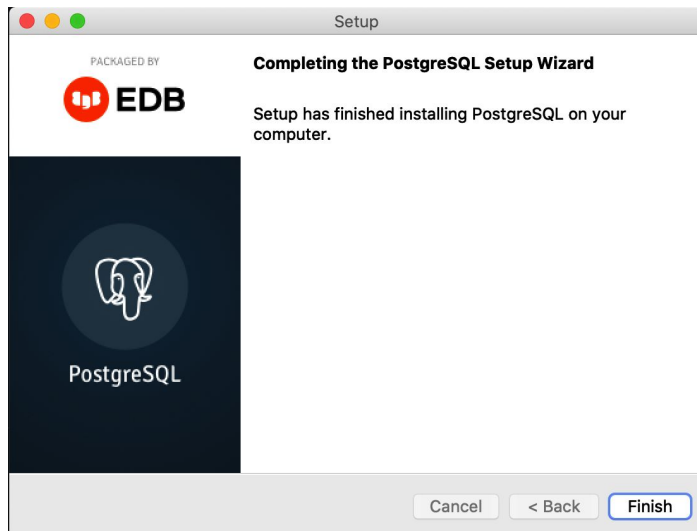
Windows



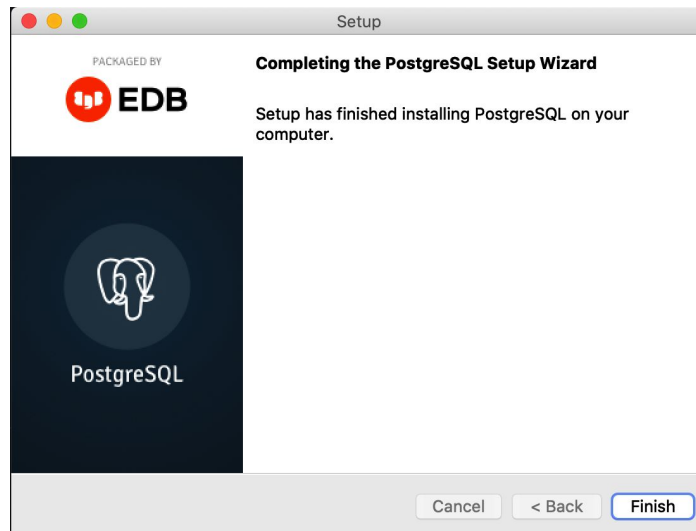
Instructions: Installing pgAdmin and Postgres

- Click **“Finish”** to complete the installation.

mac



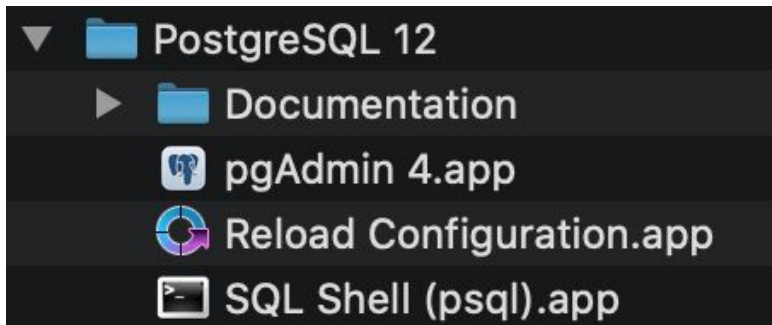
Windows



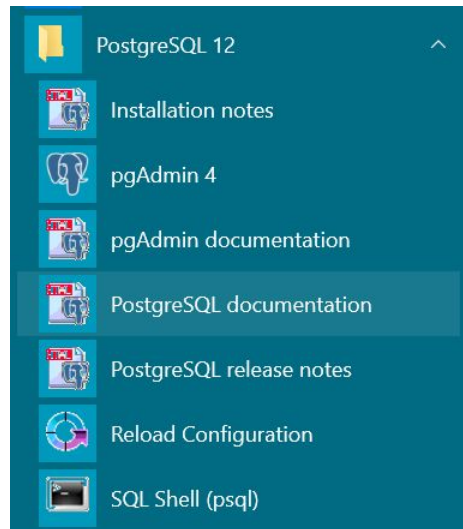
Installing pgAdmin and Postgres

- Once the installation is complete:
 - Mac users will find a folder in their Applications named 'PostgreSQL 11'.
 - Windows users will be able to access the same files by clicking the start menu and scrolling to the 'PostgreSQL 11' folder.

mac



Windows



Installing pgAdmin and Postgres



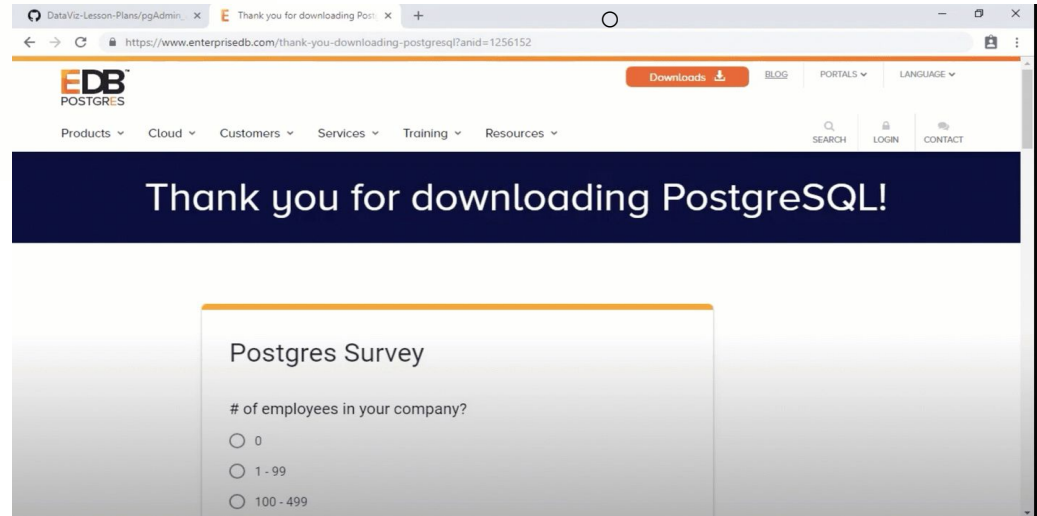
mac

- Open pgAdmin 4.
- Input password.
- To shutdown server:
 - Right click on pgAdmin logo on the mac bar and select “shutdown server”

Windows



- Open pgAdmin 4.
- Input password.
- To shutdown server:
 - Right click on postgresQL server and select “Disconnect server”



Installing pgAdmin and Postgres

Before you begin:

- Make sure students have a package manager called [Homebrew](#) installed.
- In case installation is needed, follow the installation process below:
 - Open terminal.
 - Copy and paste the following command:

```
ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

- Once Homebrew has been installed run the following command to install postgresQL:
`brew install postgresql`
- To check the version of Postgres installed run the following command:
`postgres --version`
- The next step in the process is to start Postgres running the following command:
`brew services start postgres`

Installing pgAdmin and Postgres

- Login to Postgres database:
- By default Postgres have a database named **postgres**. In order to connect to the database run the following command:

```
psql postgres
```

Congratulations! You have successfully installed postgresSQL



*The
End*