

Installation of PostgreSQL

1. Go to: <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

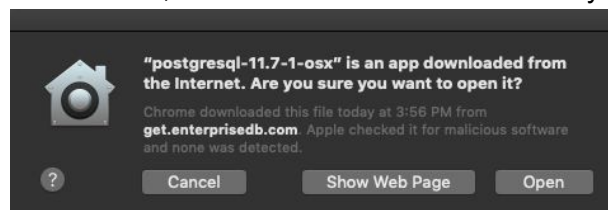
Download **PostgreSQL 11**, whichever version of 11 is available (at the time of this writing, it is 11.7, but if it changes in the future, any 11.x version should be fine!).

PostgreSQL Version	Linux x86-64	Linux x86-32	Mac OS X	Windows x86-64	Windows x86-32
12.2	N/A	N/A	Download	Download	N/A
11.7	N/A	N/A	Download	Download	N/A
10.12	Download	Download	Download	Download	Download
9.6.17	Download	Download	Download	Download	Download
9.5.21	Download	Download	Download	Download	Download
9.4.25	Download	Download	Download	Download	Download
9.3.25 (Not Supported)	Download	Download	Download	Download	Download

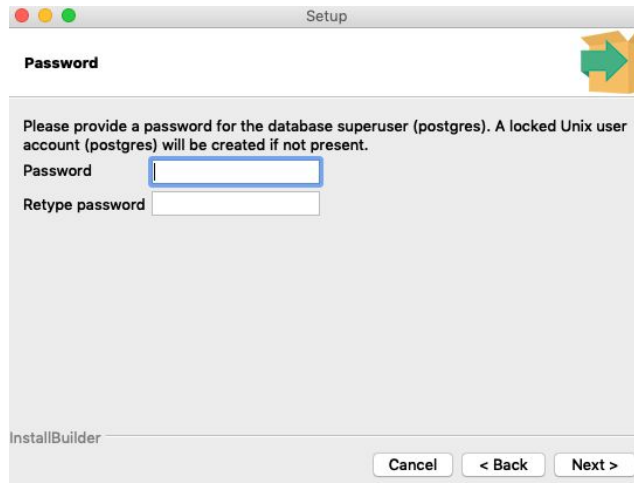
Make sure to select whichever version Operating System you are using (either Mac or Windows). If you are on Windows, and are unsure about whether you are using a 32-bit or 64-bit machine, you can open the Settings app by pressing **Windows+I**, and then head to System > About. On the right side, look for the “System type” entry:

For Mac users

1. Open the file you just downloaded. You may get a warning that you are about to install software from the internet - click **Open**. If you are prompted to install/download a program called Stack Builder, do not do so - it is not necessary for daily usage of SQL.

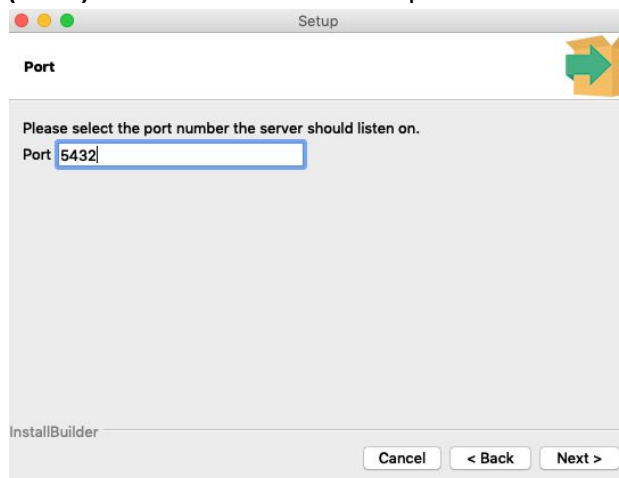


2. Click through all of the defaults settings until you reach this screen:

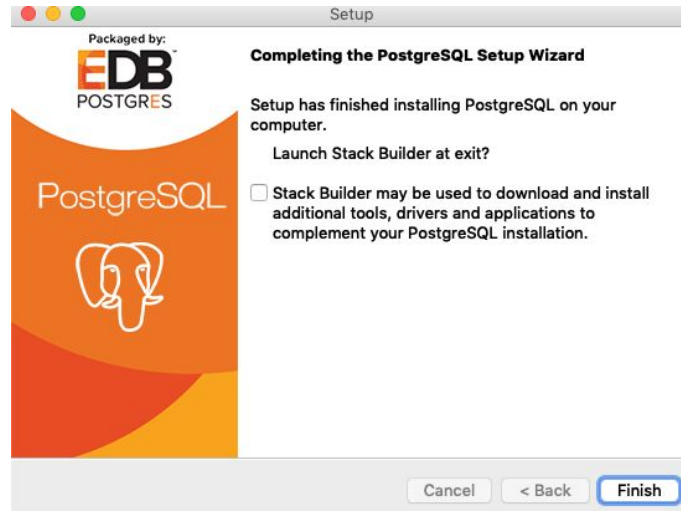


Since you are working only with sample data and the database you will be running is hosted only on your own local laptop, you don't need to stress too much about making a complicated password - we recommend you use **password** as your password for ease of use. **Failure to remember your password will result in needing to uninstall and then reinstall.**

3. Use the **default port (5432)** and **default locale** and proceed.



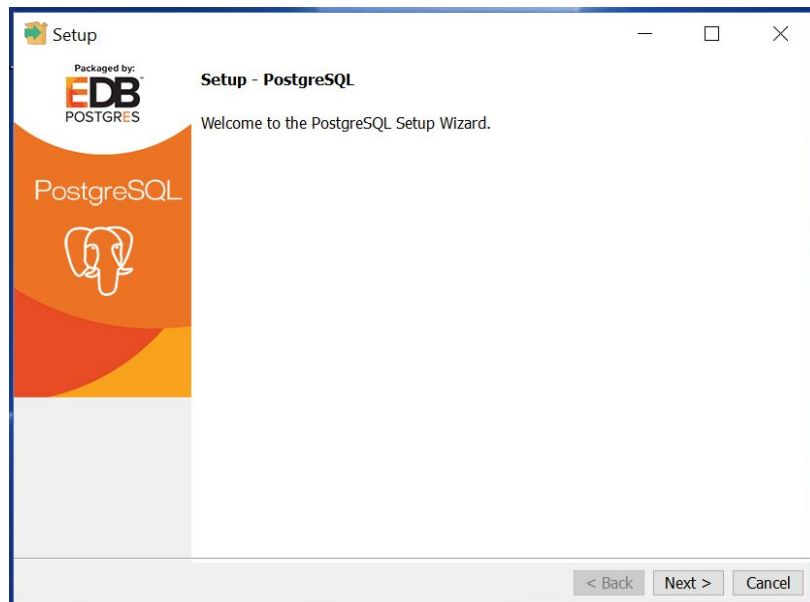
4. Once you get to the final screen, uncheck the option to Install Stack Builder (you don't need it):



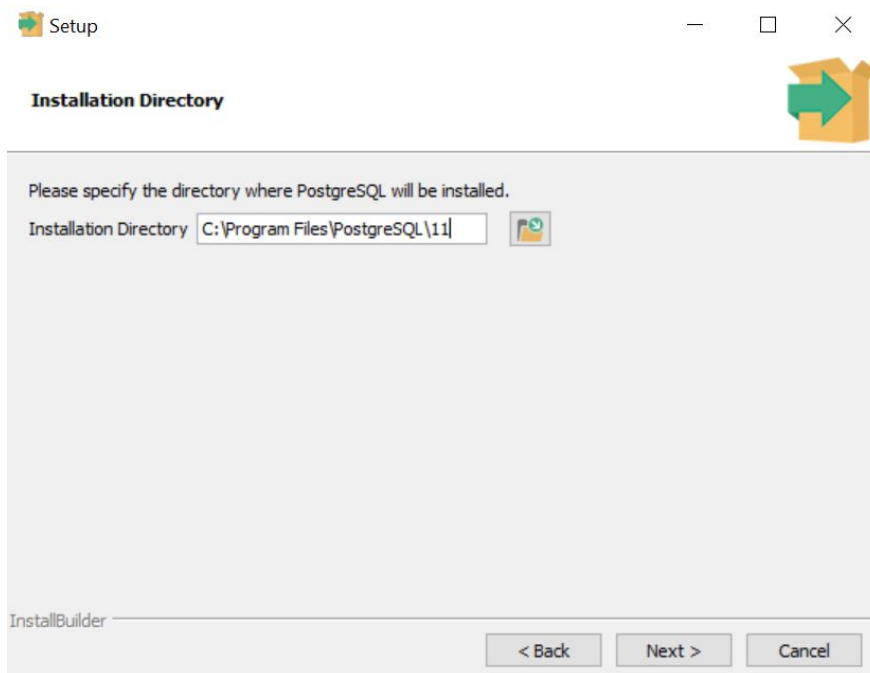
Once you click Finish, you will have successfully set up PostgreSQL. **Now go to Remote Database Setup using pgAdmin4 section to connect to SQL Database. This is the last section in this Setup Guide.**

For Windows users:

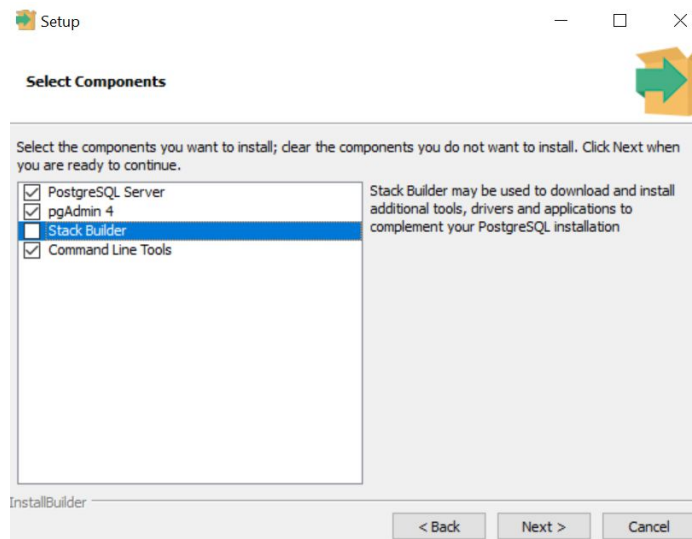
Open the file you just downloaded in step 1. You might get a message about Microsoft Visual C++. Do not worry – continue on. **When launching the installation**, you should see the following screen:



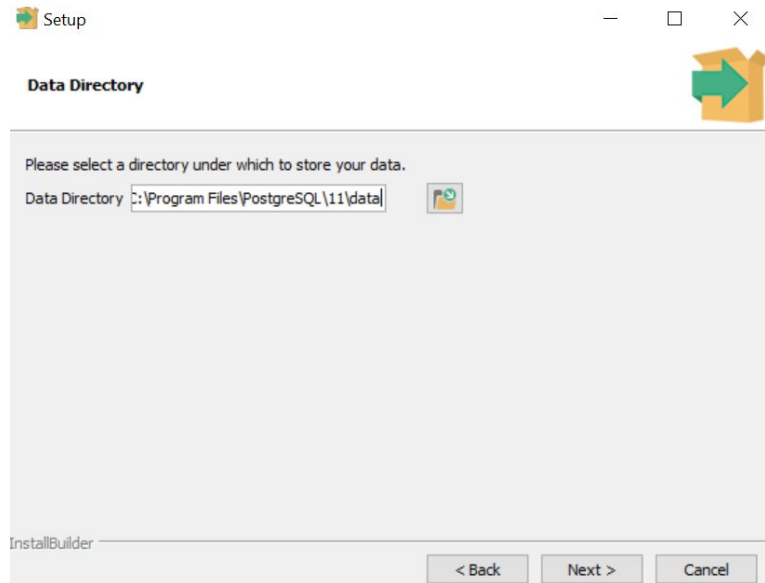
Follow the instructions on the screen. When prompted for **Installation Directory**, just save to the default location which will most likely be under program files.



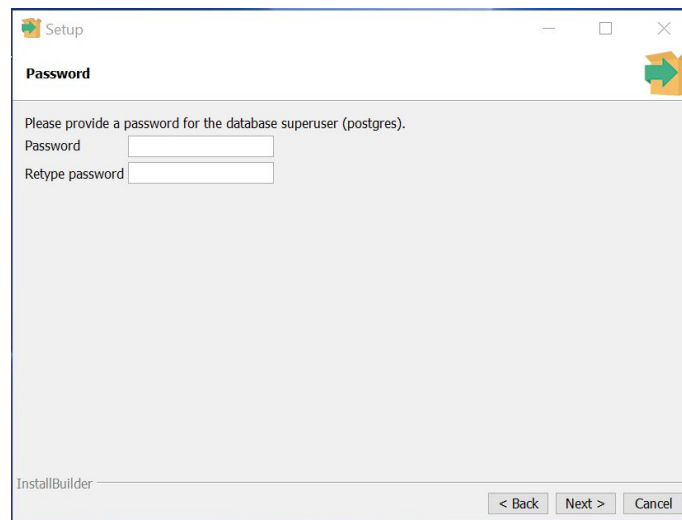
When you are prompted for what to install, uncheck **Stack Builder**:



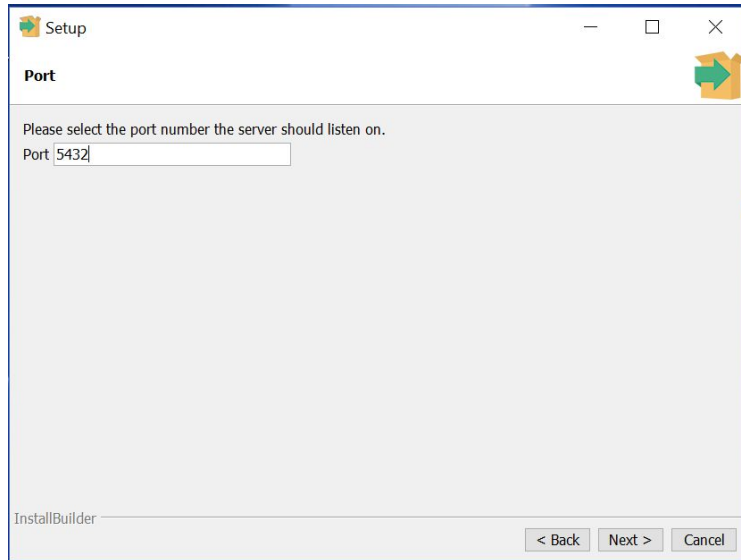
You will then be prompted to choose a **Data Directory**. Again, the default is fine:



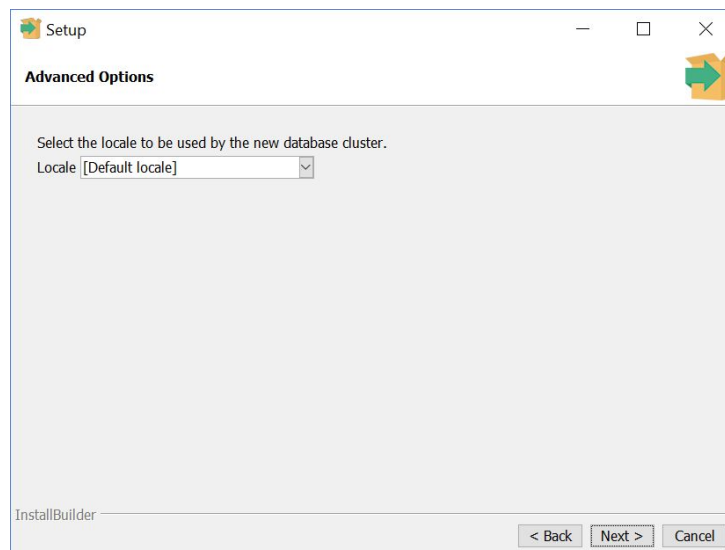
Password for superuser is important - make sure to choose something you will remember! **Failure to remember your password will result in needing to uninstall and then reinstall.** Helpful to use "password" for your password for this workshop.



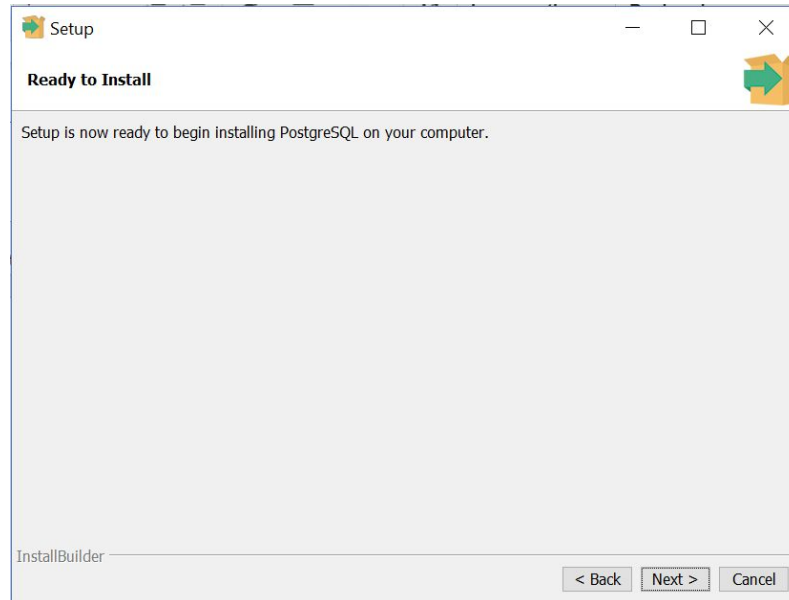
Port: For now, let's just keep it at the default (5432).



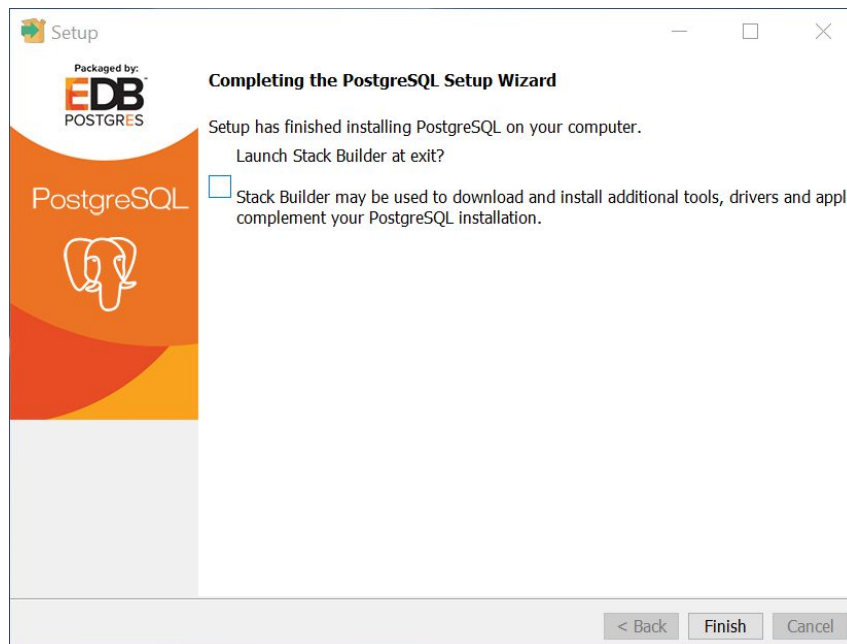
Advanced options for now you can just choose the “Default” setting:



Now you should be ready to **install**. The installation should not take more than a few minutes.



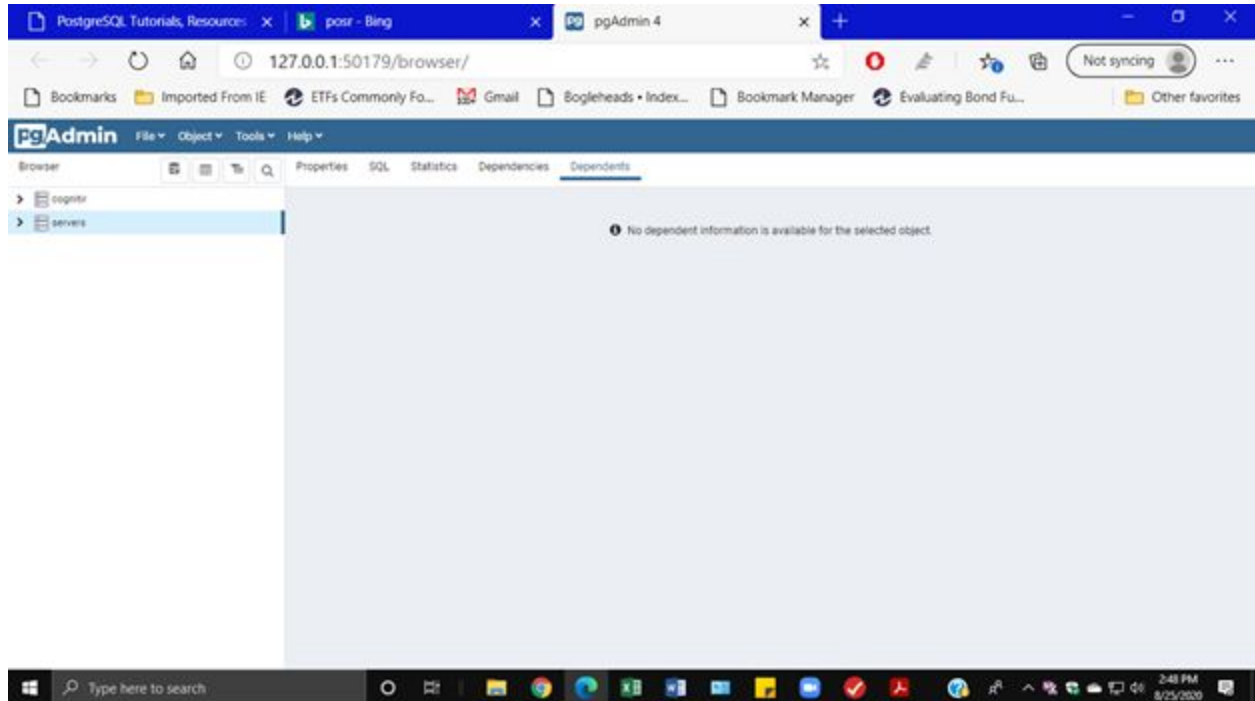
Completing the PostgreSQL Setup: there is no need to include Stack Builder. Deselect the checkbox and click **Finish**.

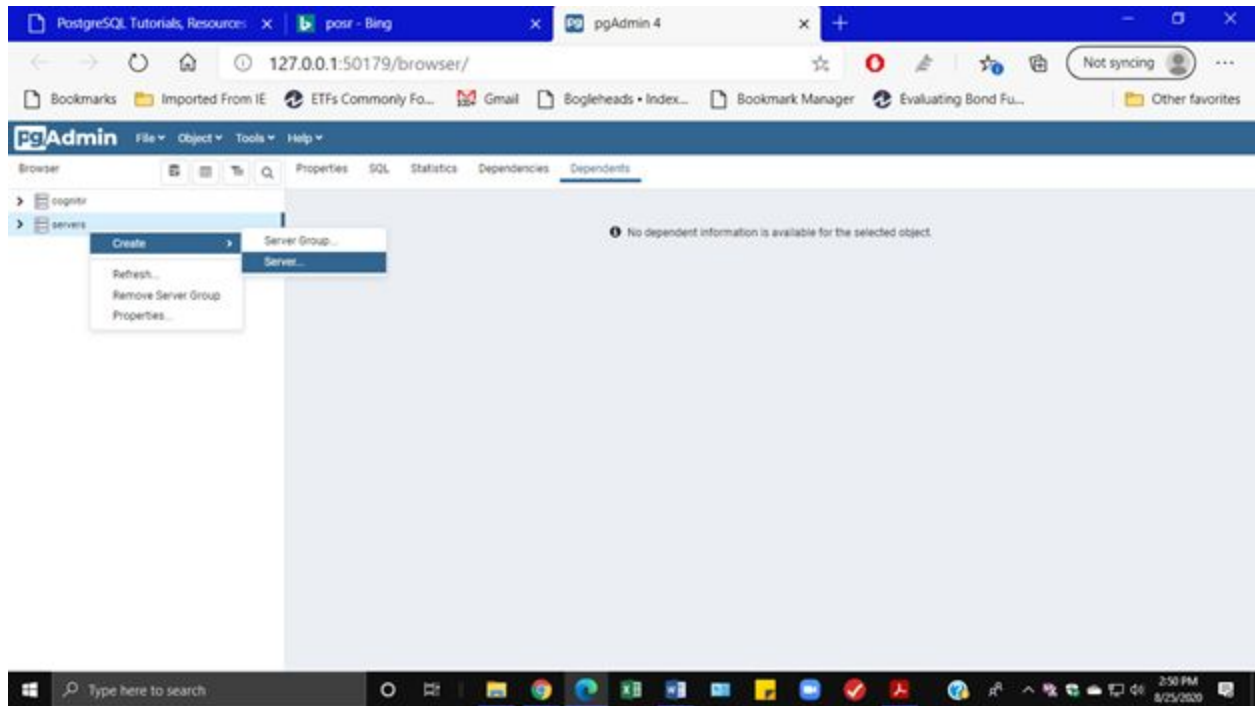


Now go to Remote Database Setup using pgAdmin4 section to connect to SQL Database. This is the next section in this Setup Guide.

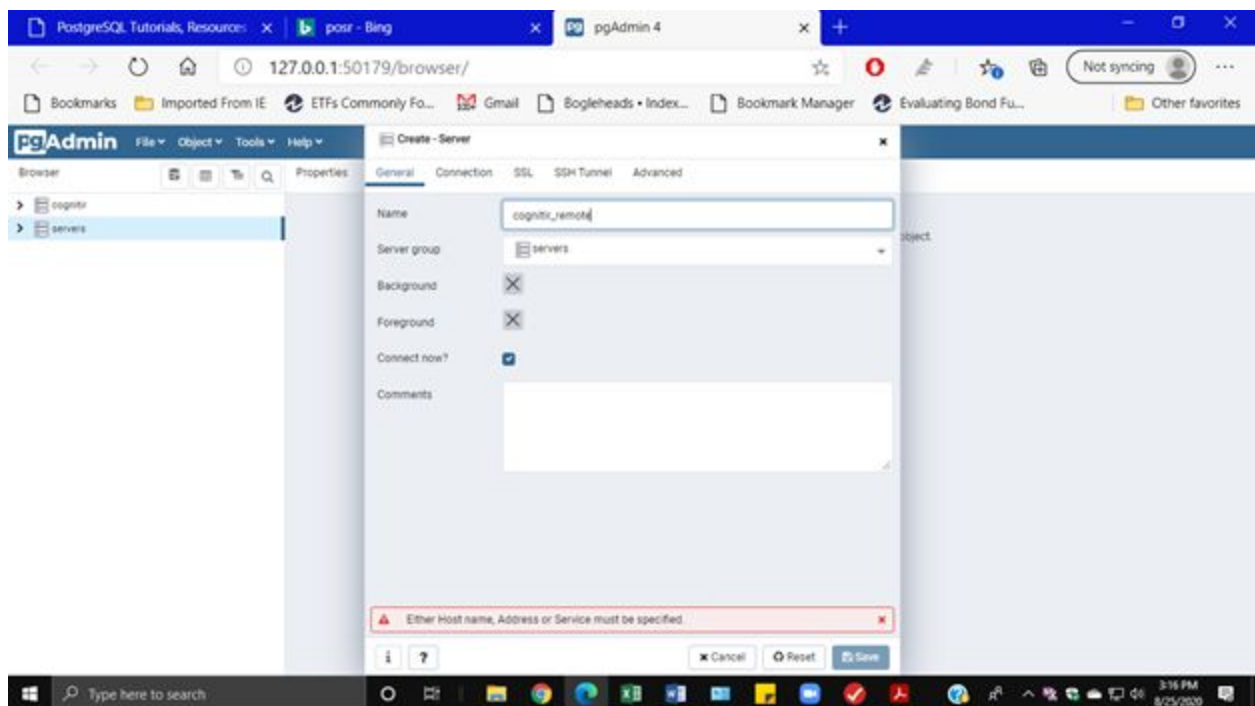
Remote Database Setup Using pgAdmin4

1. Once you click on **pgAdmin4**, a new browser window should open. Right click “servers” and click create “server”.





3. In the tab "General" - give it an appropriate name like 'cognitir_remote' or something you like:



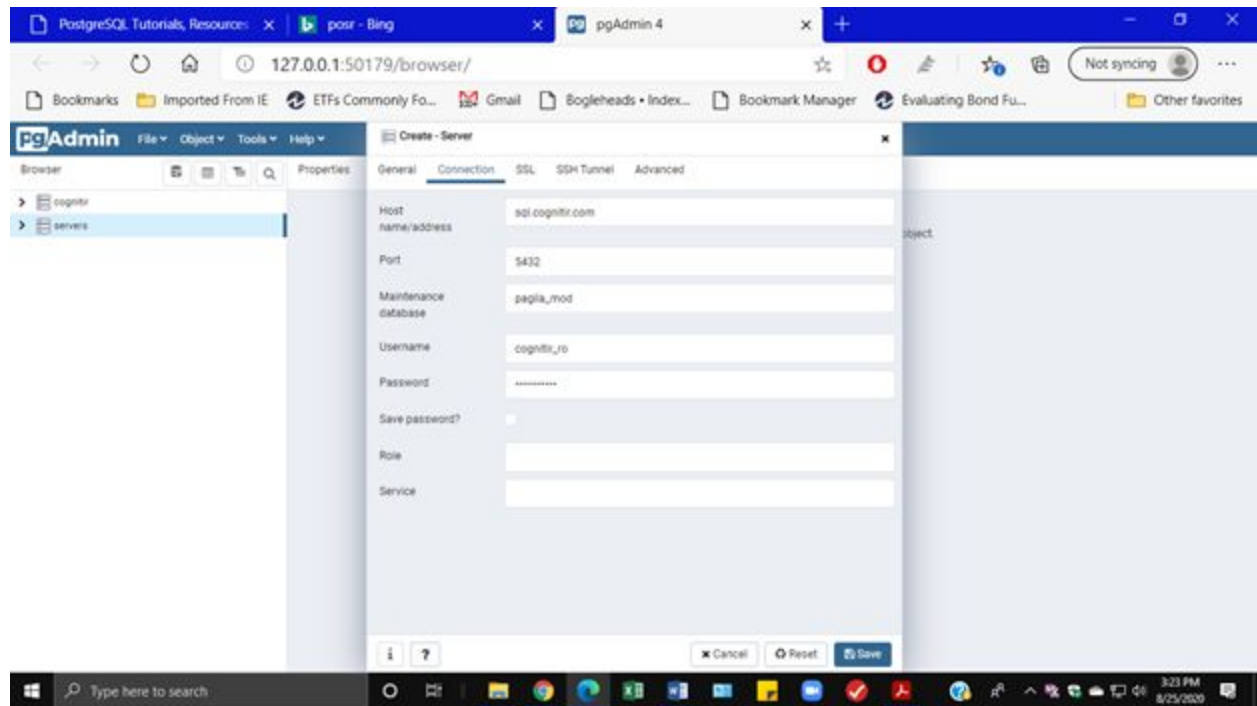
4. Click on "Connection" tab and enter in the information:

Host: sql.cognitir.com

Maintenance Database: pagila_mod

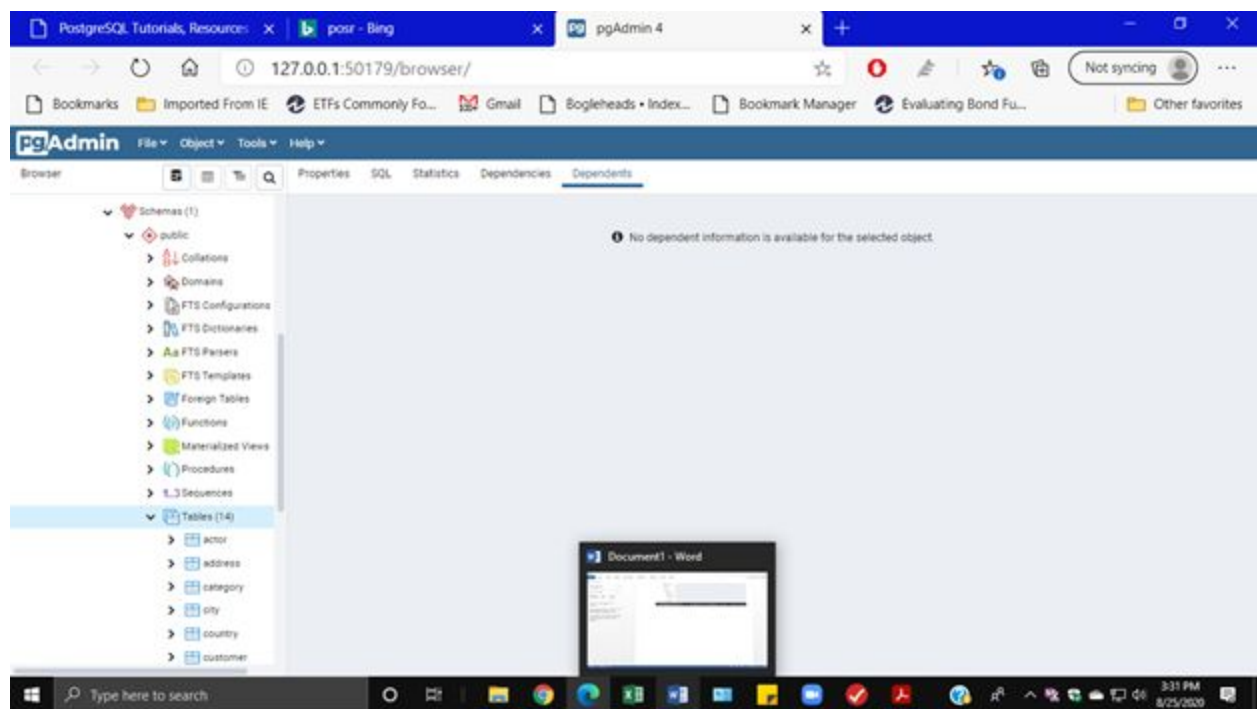
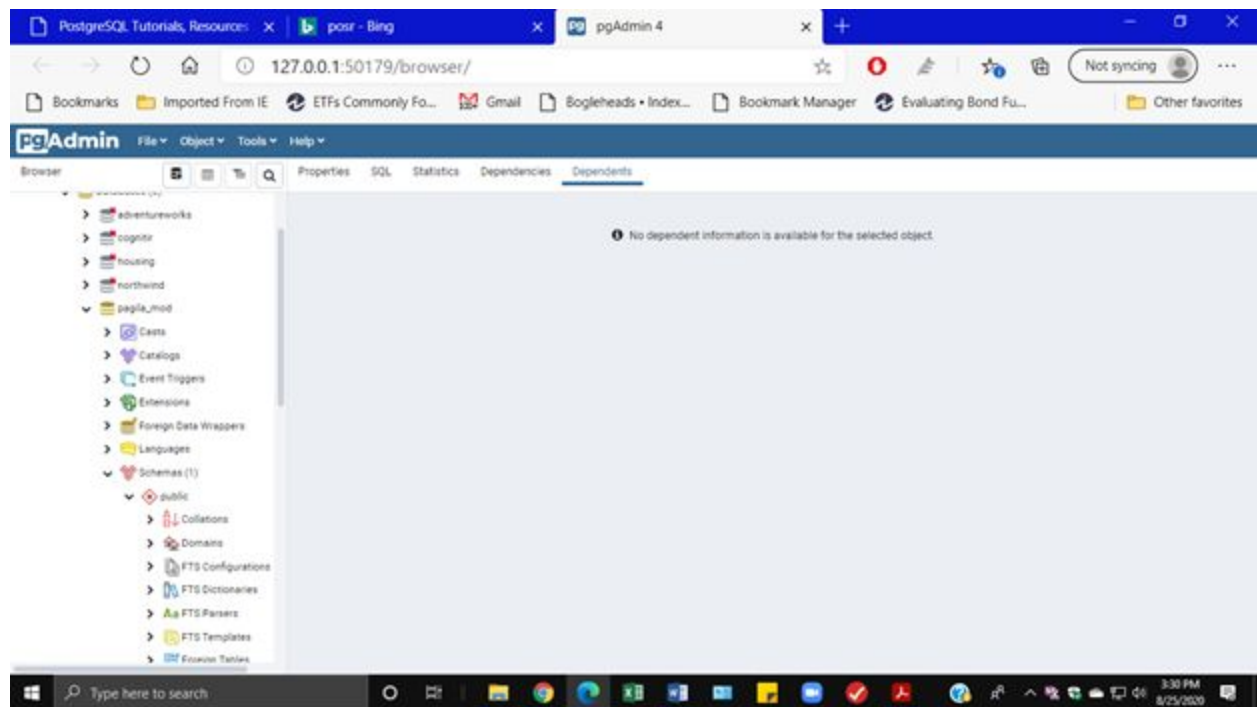
User: cognitir_ro

Password: cognitir_ro



5. As you can see the screen shot, remote server cognitir_remote is created and some databases loaded e.g. pagila_mod. Click Databases.

6. Then click on pagila_mod, Schemas and Tables, you will see the following:



7. You're now ready to start writing your first SQL query. Right click on the actor in Tables in **pagila_mod**), and then click the query tool.

When the **Query Editor** pops up, write in a sample SQL query (**SELECT * FROM actor;**) and then click the play button, your query will be executed and you will see the following:

The screenshot shows the pgAdmin 4 web interface in a browser window. The address bar shows the URL `127.0.0.1:50179/browser/`. The left sidebar displays the database structure, with the `actor` table selected under the `public` schema. The main panel shows the `Query Editor` with the SQL query `SELECT * FROM actor;` entered. Below the query editor, the `Data Output` tab is active, displaying a table with 7 rows of data from the `actor` table.

	actor_id [PK] integer	first_name character varying (45)	last_name character varying (45)	last_update timestamp without time zone
1	1	PENELOPE	GUINNESS	2006-02-15 09:34:33
2	2	NICK	WAHLBERG	2006-02-15 09:34:33
3	3	ED	CHASE	2006-02-15 09:34:33
4	4	JENNIFER	DAVIS	2006-02-15 09:34:33
5	5	JOHNNY	LOLLOBRIGIDA	2006-02-15 09:34:33
6	6	BETTE	NICHOLSON	2006-02-15 09:34:33
7	7	GRACE	MOSTEL	2006-02-15 09:34:33

If you get results returned (bottom of the screen), you're all set to begin learning SQL!