



Installing and Configuring PostgreSQL for Use with LNDB

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NOTE:

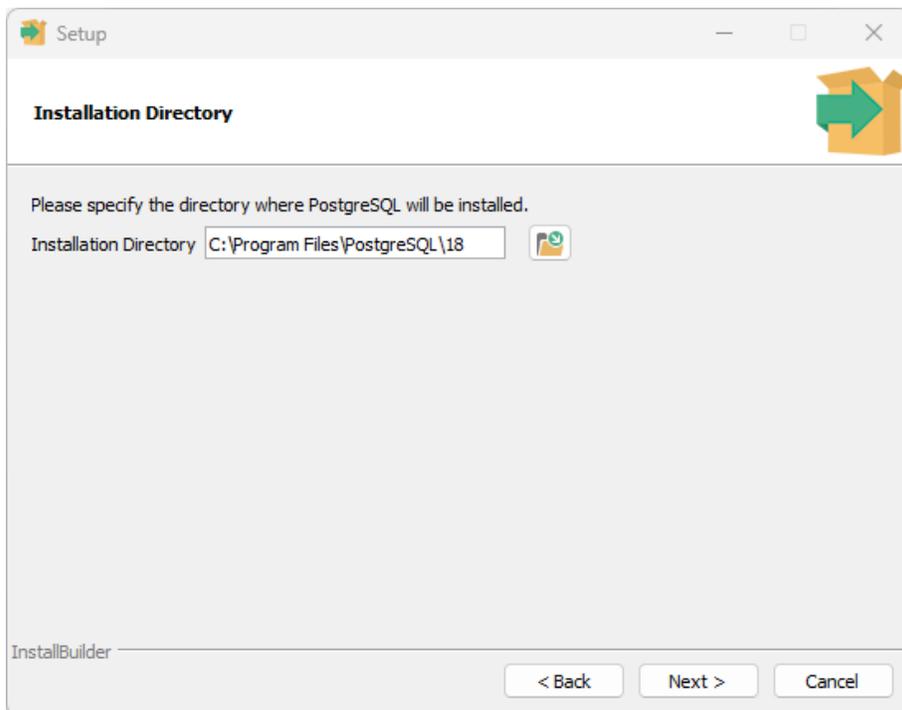
While we are providing these instructions to facilitate installing and configuring PostgreSQL for use with *LNDB*, Campbell Scientific does not support the customer database platform. You will need to work with your Information Technology personnel for any additional help required with your database setup and maintenance.

NOTE:

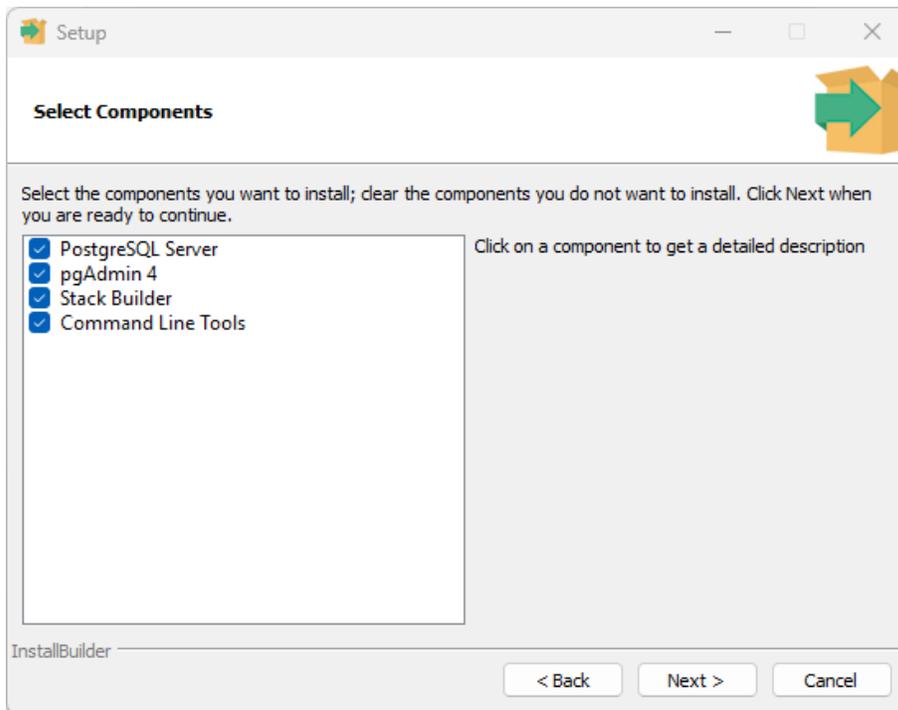
This guide was created using PostgreSQL Version 18.3.

Follow these steps to install and configure PostgreSQL for use with LNDB.

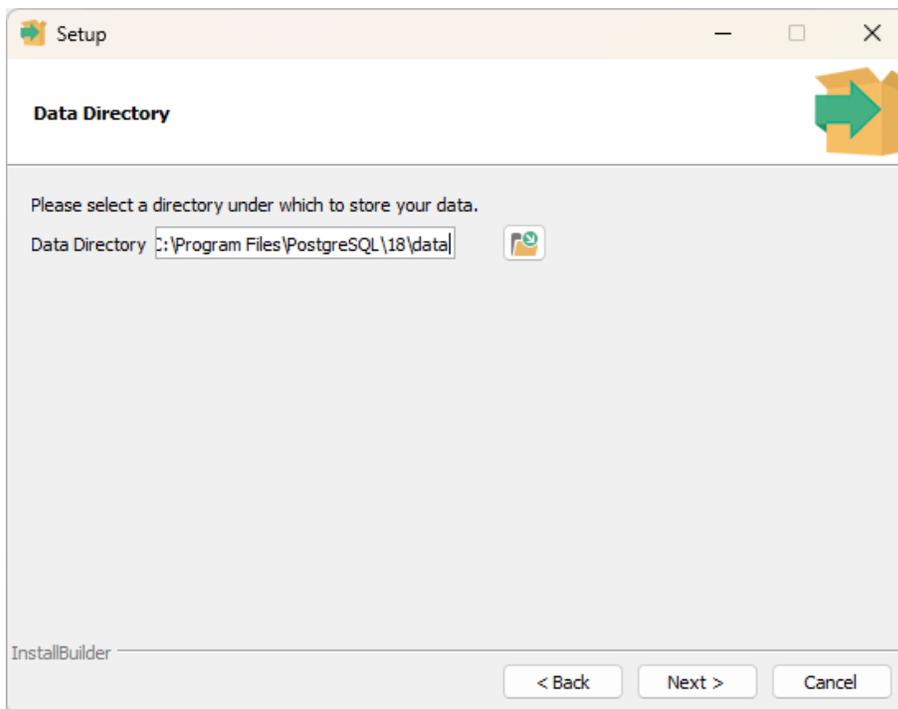
1. Install PostgreSQL by downloading it here: www.postgresql.org/download .
2. Run the install package as an administrator
3. Use the default **Installation Directory**:



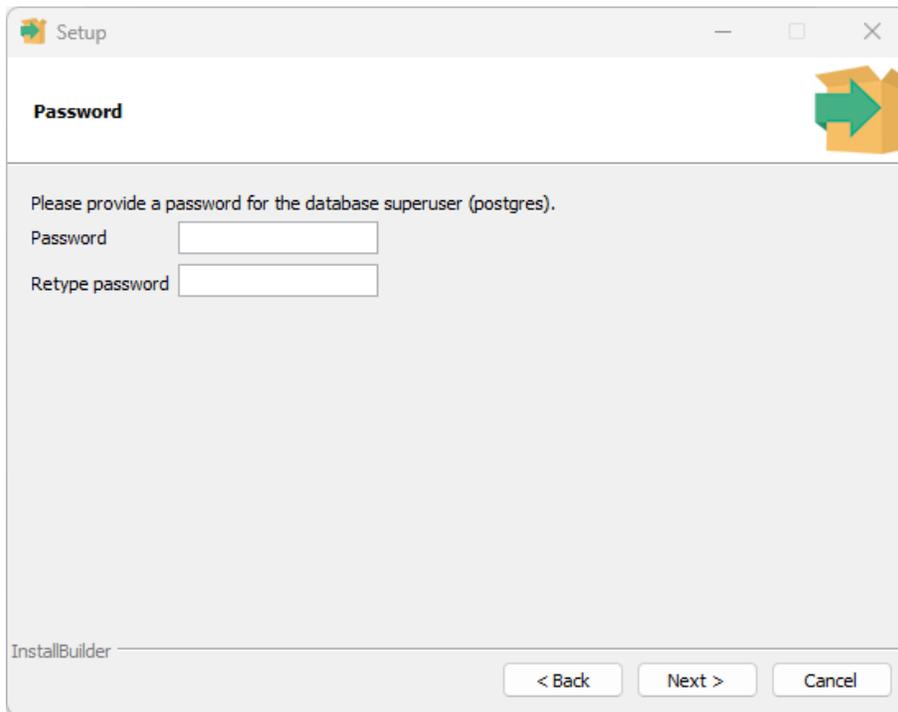
4. Select all components:



5. Use the default **Data Directory**:

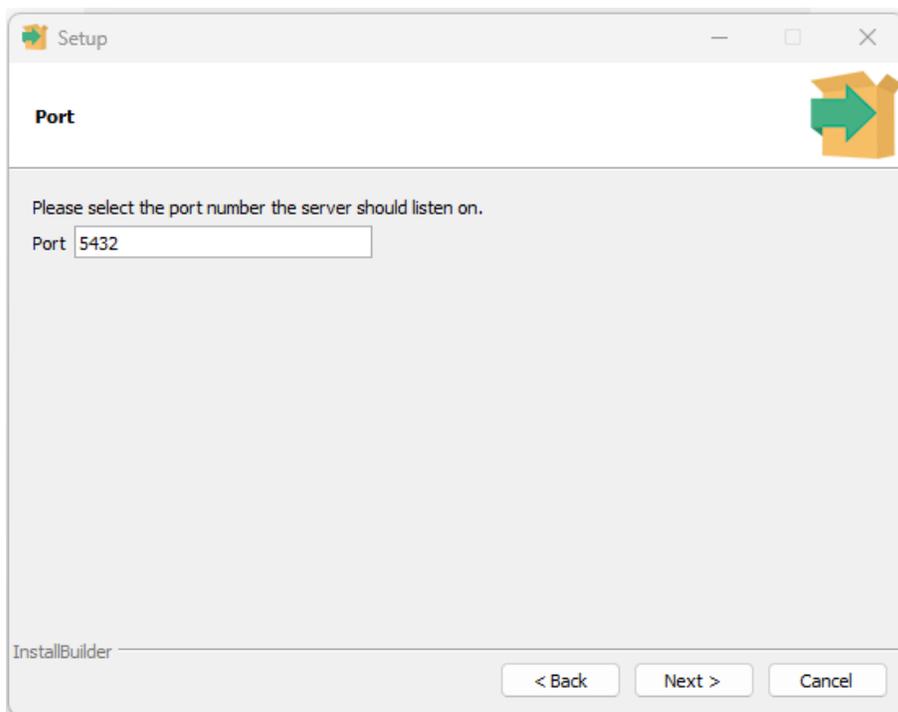


6. Enter a **Password** for the database superuser (postgres). Write this down to refer back to. Don't ever lose this password.



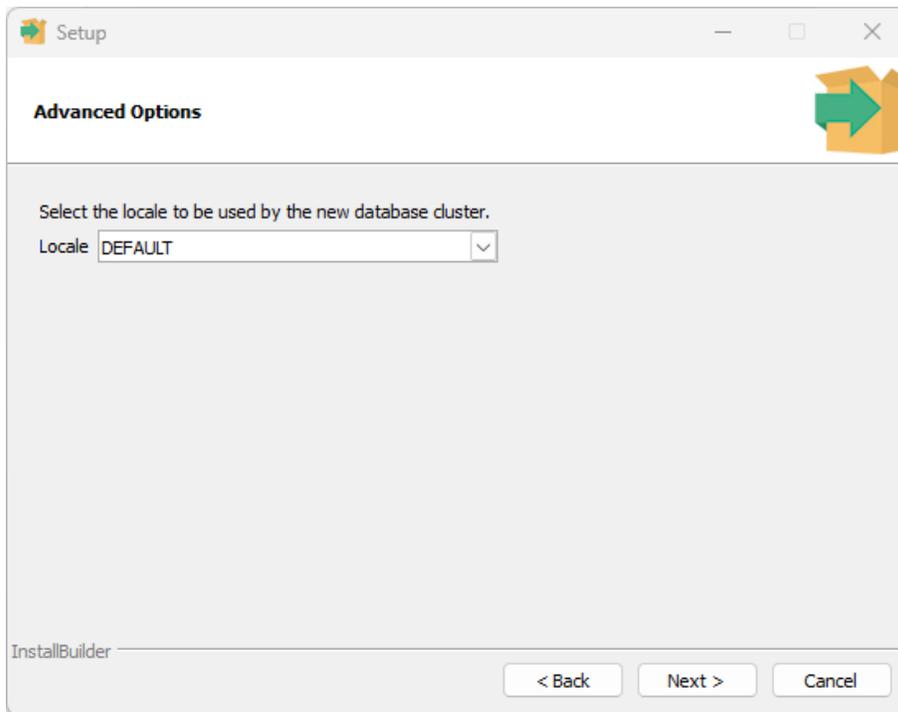
The screenshot shows a window titled "Setup" with a close button in the top right corner. Below the title bar, there is a green arrow icon pointing right. The main content area is titled "Password" and contains the text "Please provide a password for the database superuser (postgres)." followed by two input fields: "Password" and "Retype password". At the bottom left, the text "InstallBuilder" is visible. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

7. Use the default **Port** of 5432 unless you have a good reason to select a different port number. Write the port number down to refer to later.

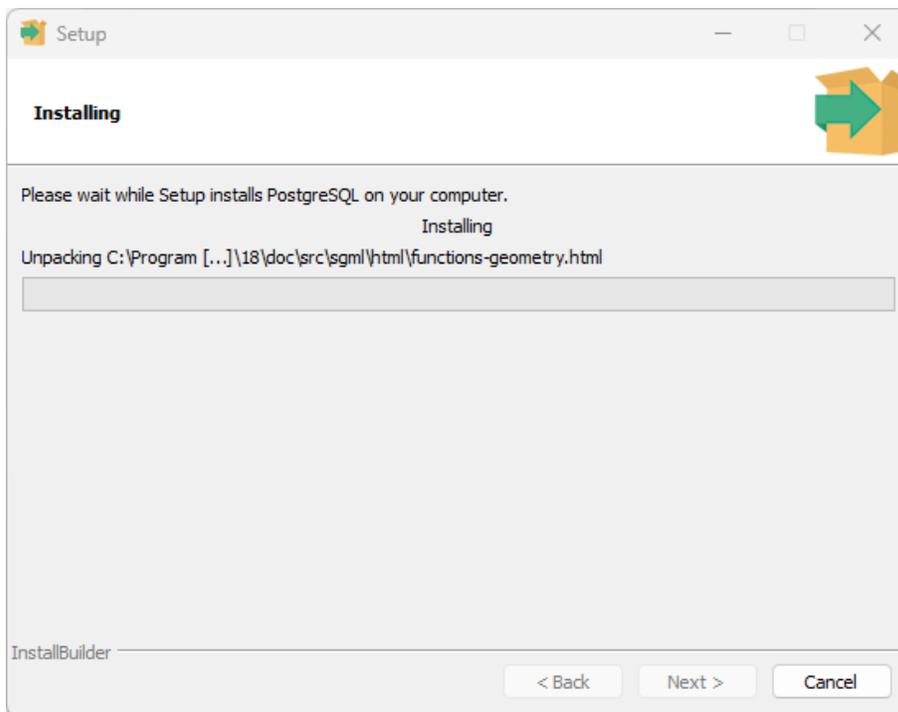


The screenshot shows a window titled "Setup" with a close button in the top right corner. Below the title bar, there is a green arrow icon pointing right. The main content area is titled "Port" and contains the text "Please select the port number the server should listen on." followed by a single input field labeled "Port" containing the value "5432". At the bottom left, the text "InstallBuilder" is visible. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

8. Use DEFAULT as the **Locale**:



9. The installer will have you review your options and click **Next**. Now wait for installation to complete:



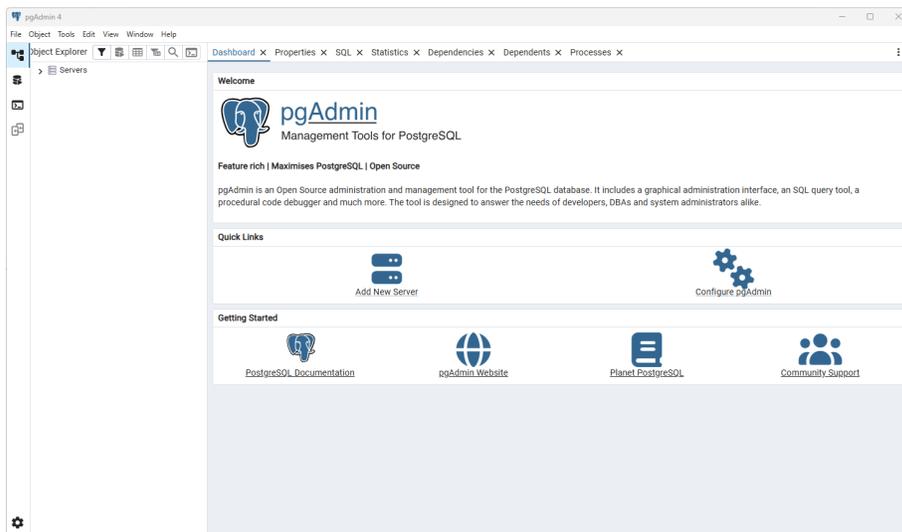
10. When installation is complete uncheck **Launch Stack Builder** and click **Finish**.

11. Now find and launch pgAdmin from your Start menu. It will take a few minutes to launch the first time.

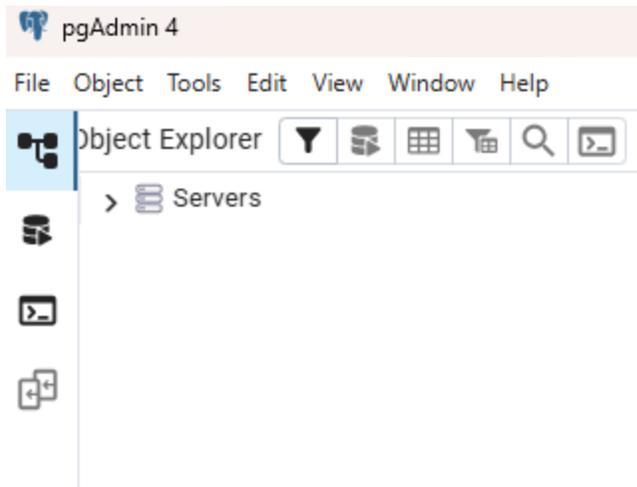
NOTE:

If you didn't install pgAdmin, or your older version of PostgreSQL didn't come with it as an option, you can download and install it separately here:

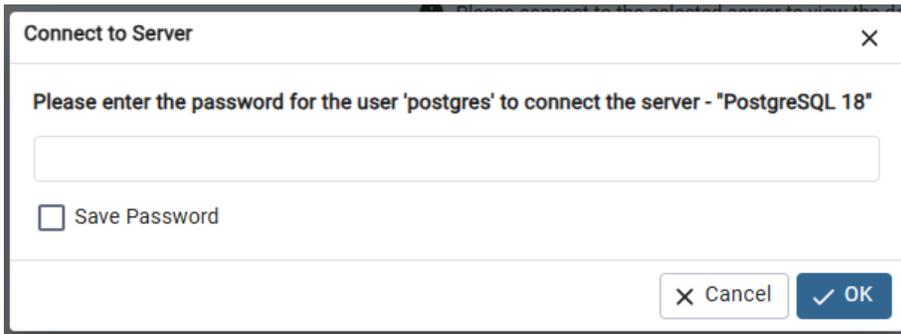
www.pgadmin.org/download .



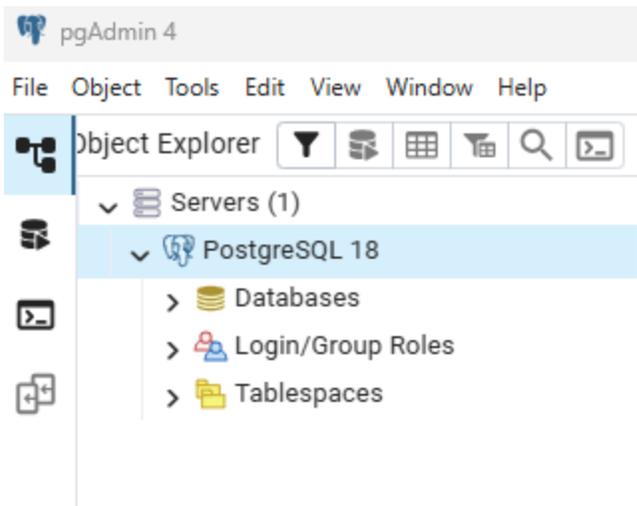
12. In the upper left corner expand **Servers** by clicking the greater than symbol (>):



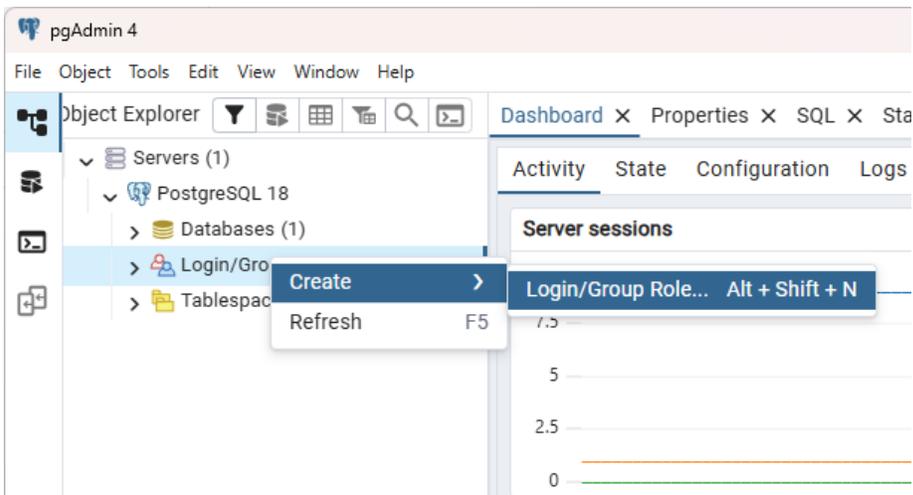
13. You should be prompted to log in to your PostgreSQL server. Enter the password you set up for the postgres superuser earlier.



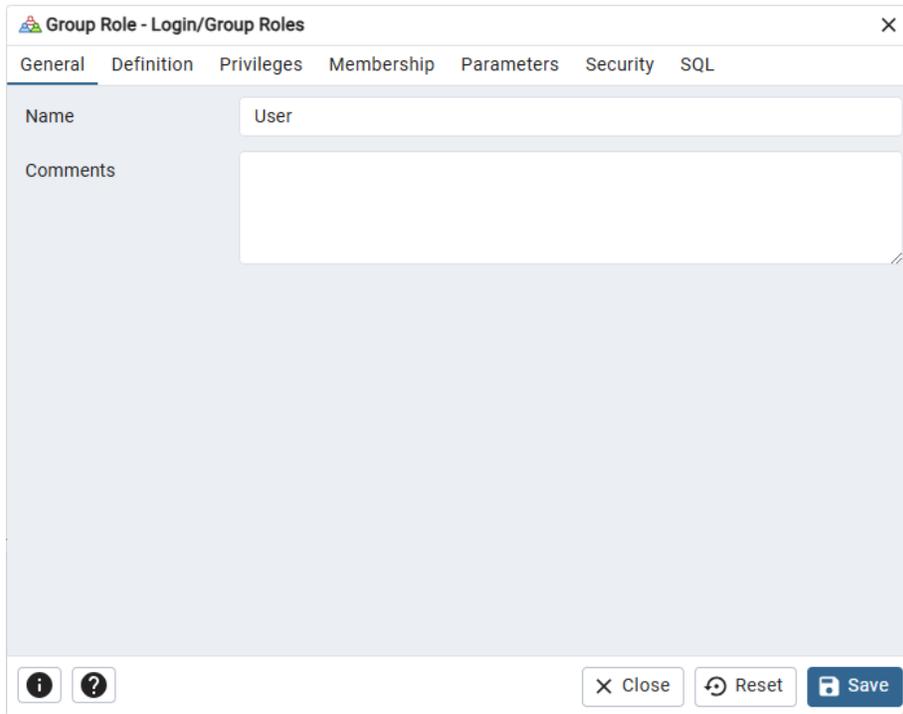
Once logged in you should see something like this in the upper left corner:



14. Right-click **Login/Group Roles**, highlight **Create**, and click **Login/Group Role**.

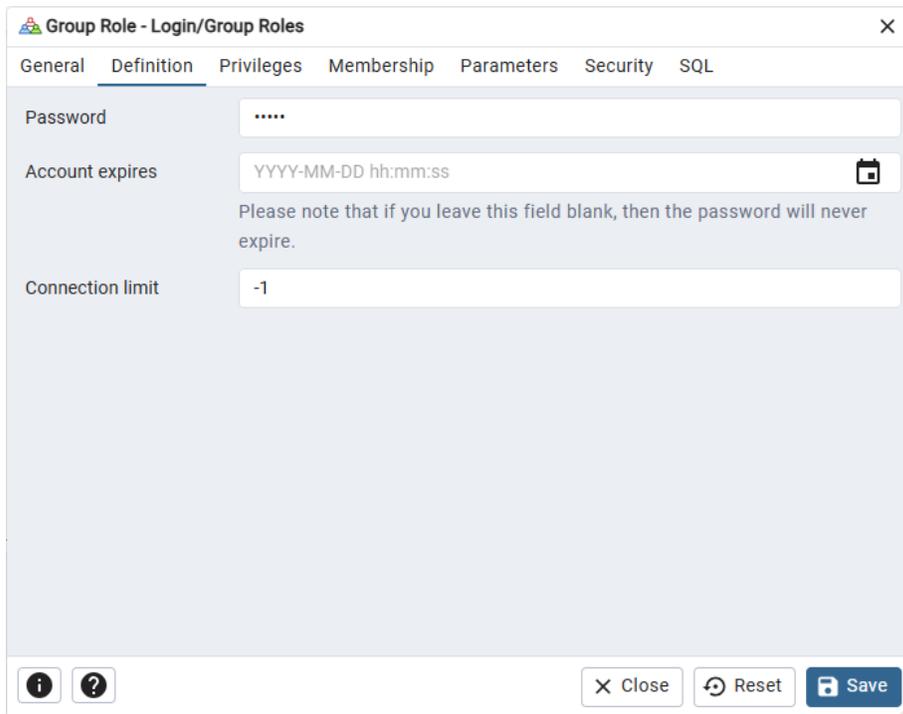


15. Enter a name for your **User**:



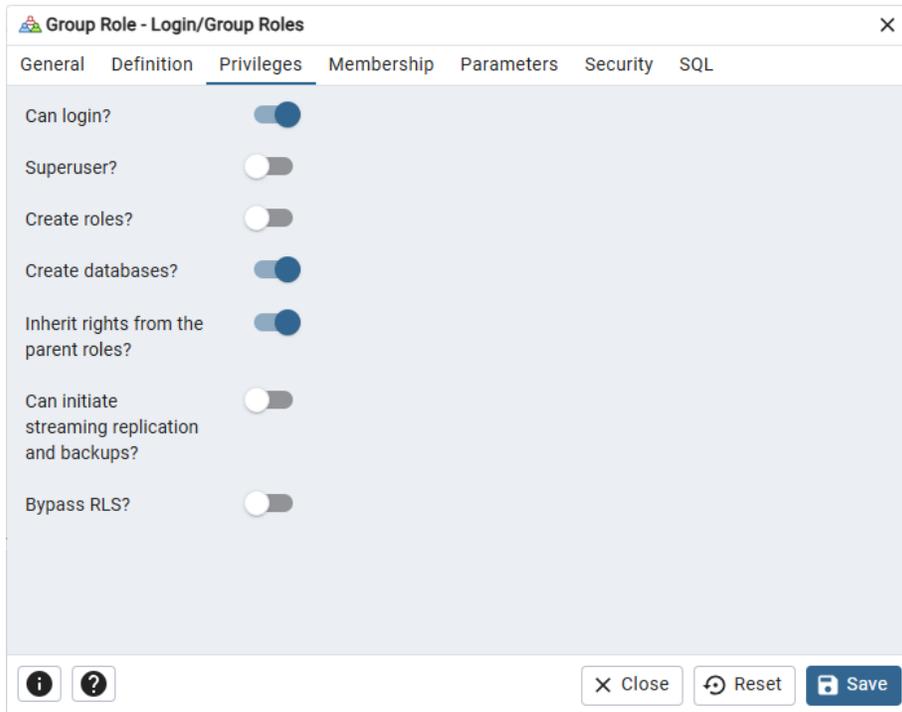
The screenshot shows a dialog box titled "Group Role - Login/Group Roles" with a close button (X) in the top right corner. Below the title bar are tabs for "General", "Definition", "Privileges", "Membership", "Parameters", "Security", and "SQL". The "General" tab is selected. The "Name" field contains the text "User". Below it is a large, empty "Comments" text area. At the bottom of the dialog, there are three buttons: "Close" (with an X icon), "Reset" (with a circular arrow icon), and "Save" (with a floppy disk icon). There are also information (i) and help (?) icons on the left side of the bottom bar.

16. Click the **Definition** tab and enter a **Password**:

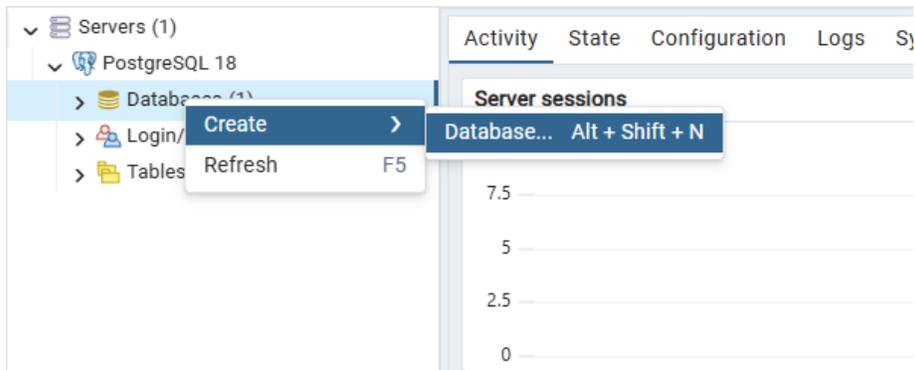


The screenshot shows the same dialog box, but now the "Definition" tab is selected. The "Password" field is masked with four dots. The "Account expires" field contains the placeholder text "YYYY-MM-DD hh:mm:ss" and has a calendar icon to its right. Below this field is a note: "Please note that if you leave this field blank, then the password will never expire." The "Connection limit" field contains the value "-1". The "Close", "Reset", and "Save" buttons are visible at the bottom, along with the information and help icons.

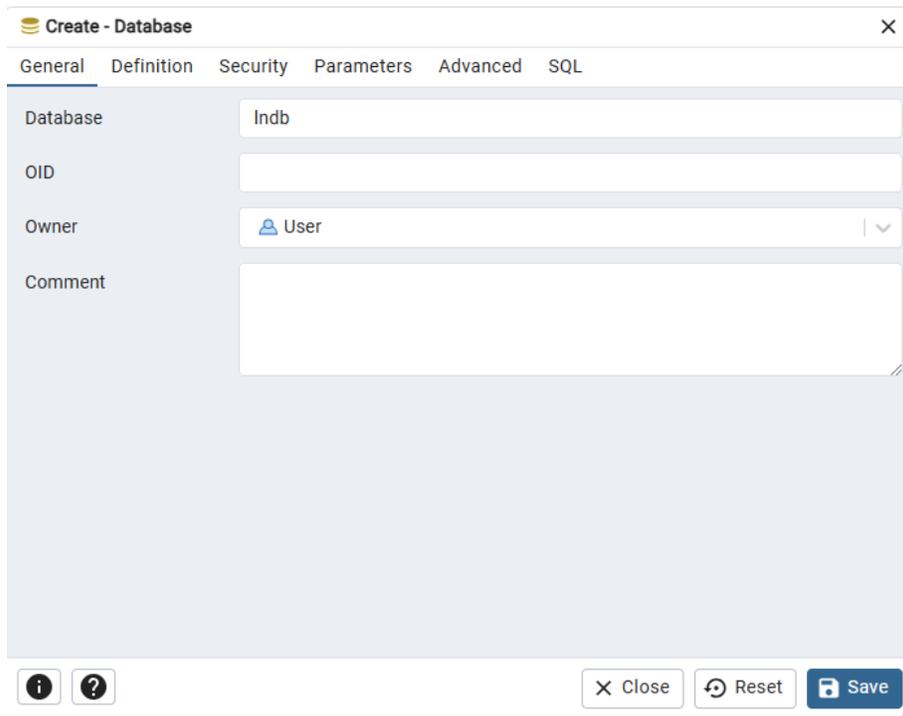
17. Click the **Privileges** tab and turn on **Can login?** and **Create databases?**, and then click **Save**.



18. Right-click on **Databases**, highlight **Create**, and click **Database**.



19. Enter a name for your **Database** and set the **Owner** to the User you just created. (The user will probably show near the bottom of the list.) Click **Save**:

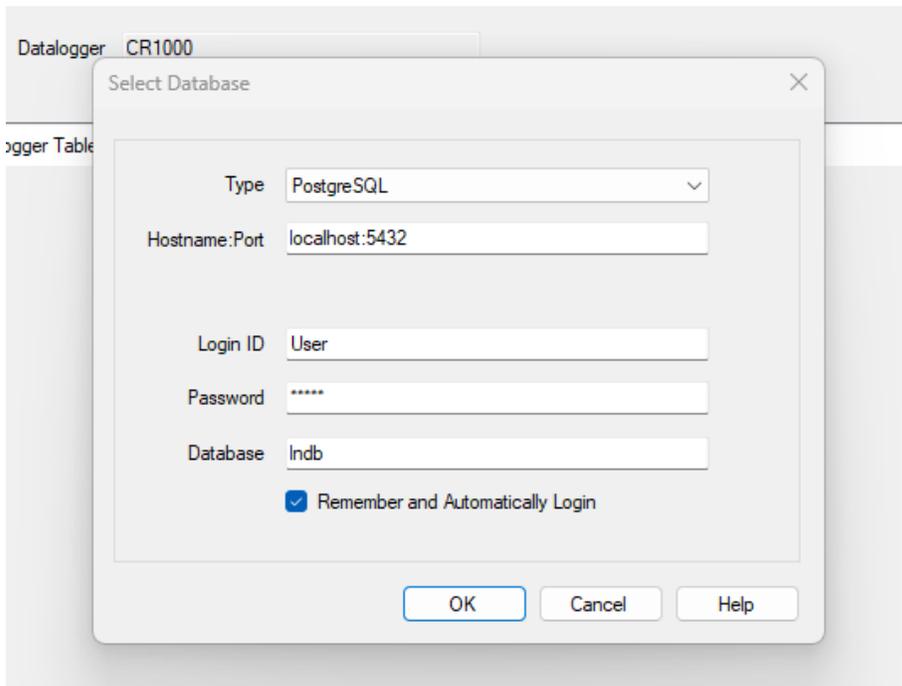


The screenshot shows a 'Create - Database' dialog box with the following fields and controls:

- Database:** Text input field containing 'Indb'.
- OID:** Empty text input field.
- Owner:** Dropdown menu showing 'User'.
- Comment:** Large empty text area.
- Buttons:** 'Close', 'Reset', and 'Save' buttons at the bottom right.

20. Now open the *LNDB Manager*.

21. Go to **File > Select Database**. For **Hostname:Port** enter the IP address followed by the port number of the PostgreSQL server. Since Postgres is installed on the same computer as LNDB in this example, localhost is used as the hostname. If you used the default port number of 5432, follow localhost or the IP address of the server with a colon and 5432. Now enter the name of the user you created in pgAdmin that owns the database for the **Login ID**, followed by the **Password** and the name of the **Database** you created. Lastly, click **OK**.



22. After a moment, **DB Connected** should show up in green at the bottom of the *LNDB* window.



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