

Note: If you are here because you have lost connection to your SQL database, please see the final section of this guide (“Troubleshooting”) for reconfiguration instructions.

Overview

Students no longer need to install pgAdmin software locally. Instead, they will visit one of the AnalyticsGA hosts

- See instructions for [Connecting to AWS](#) below

The pgAdmin software running there is connected to a database containing our datasets:

- superstore
- city_311
- bikeshare
- AdventureWorks
- All items are **read-only**
 - Students will not be using the ‘save’ icon to save their queries
 - Instead, they will be copying their queries to their own document
 - They can use the ‘query history’ tab to retrieve desired queries
 - Queries can also be selected, copied and pasted out into a text editor
 - Please recommend a proactive saving method to students
- A **legacy option** is available
 - Please see the [Connecting to Legacy Database](#) section of this guide for instructions on connecting to the legacy database.

Connecting to AWS

Connect to your nearest host via browser:

Username: analytics_student@generalassemb.ly

Password: analyticsga

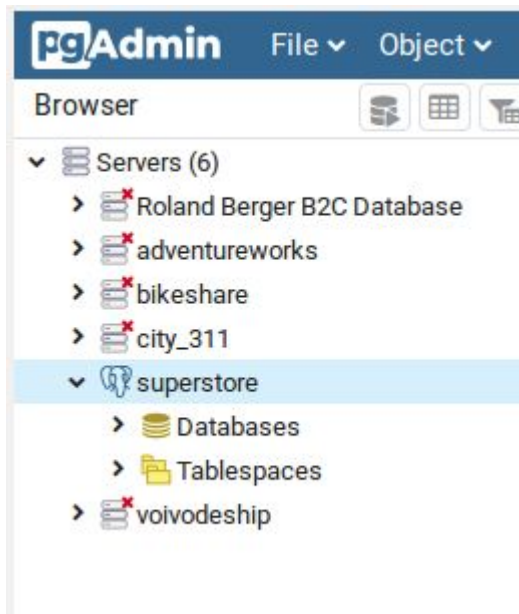
- **Global (Use this one if available)**
 - <https://analyticsga-global.generalassemb.ly/>
- US East Coast
 - <https://analyticsga-east1.generalassemb.ly/>
- US West Coast (Includes Austin and Chicago)
 - <https://analyticsga-west2.generalassemb.ly/>
- APAC
 - <https://analyticsga-southeast2.generalassemb.ly/>
- Europe
 - <https://analyticsga-euwest1.generalassemb.ly/>
- Middle East (AdventureWorks only)
 - <https://analyticsga-south1.generalassemb.ly/>
- **Pilot**
 - <https://analyticsga-pilot.generalassemb.ly/>
 - **Use this link if the others are unavailable.**

Connecting to Specific Databases

The client software, pgAdmin, presents a tree structure that students must follow down to reveal the desired data tables and columns.

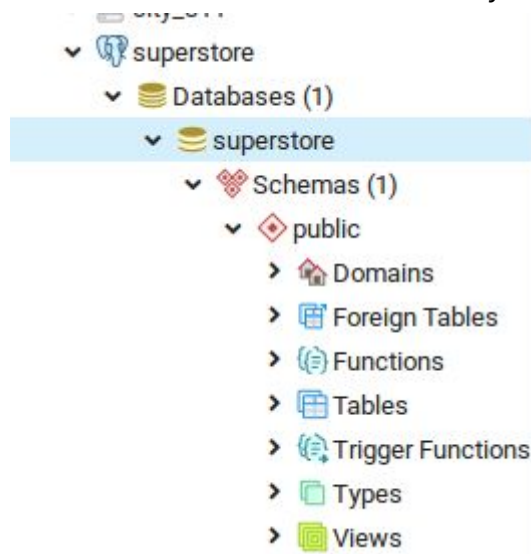
Clicking on the plus (+) mark presented beside each element, reveals or opens the next level. Encouraging students to use the left side panel as a data pane, with column names revealed, will provide students with quick reference to data names for writing queries.

Here is an example: The Superstore database is located here —



The tree structure will progress through the following layers:

- ☐ Click “superstore”
- ☐ Click “Databases”
- ☐ Click “superstore”
- ☐ The tree structure will automatically expand to the following:



- ☐ Click “Tables”

This process reveals the list of data tables. You may right-click an individual table and choose “View/Edit Data” to view the contents of that table. You may expect to review the other databases similarly.

Connecting to Legacy Databases

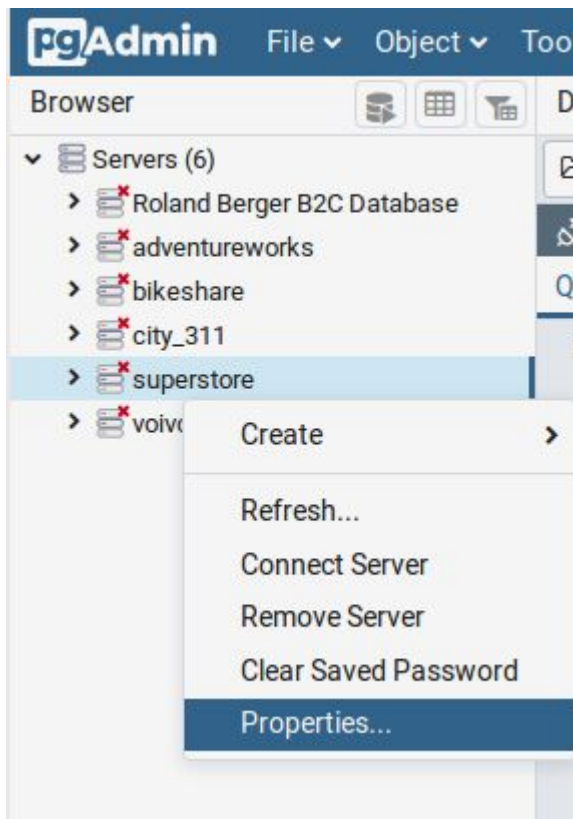
Before starting the lesson, run through installation on your machine and with your class.

1. Google “pgAdmin 4 download” and install pgAdmin 4 (materials tested on v3.3).
2. Once installed, launch pgAdmin 4 and complete the following steps:
 - i. Right click on **Servers** in the left pane and select **Create ► Server**.
 - ii. On the **General** tab, name the server “GA Analytics Data.”
 - iii. On the **Connection** tab, enter **Host address**: analyticsga-psql.generalassemb.ly
 - iv. **port**: 5432 **maintenance database**: postgres
 - v. **username**: analytics_student
 - vi. **password**: analyticsga (Check ☒ save password.)

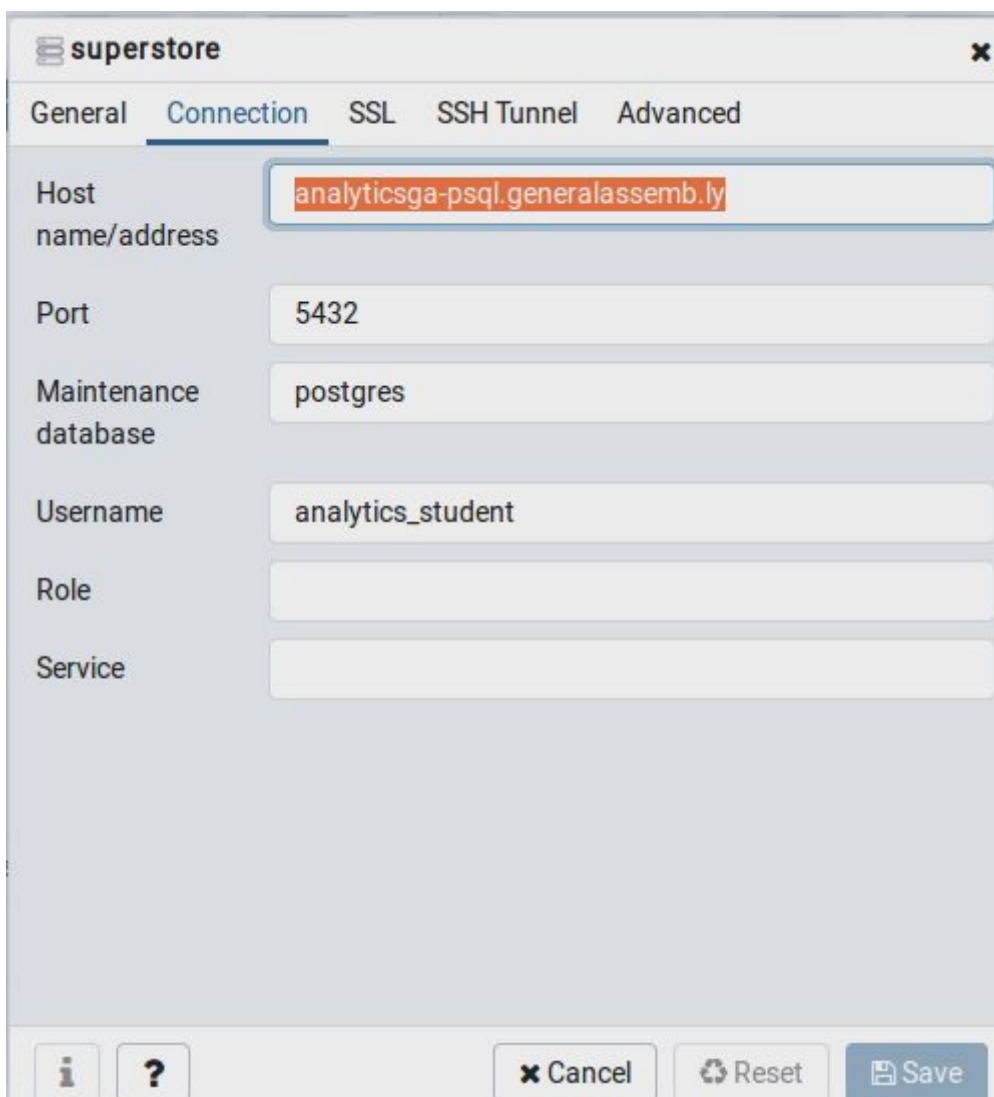
Troubleshooting

If you have already had your students install PGAdmin locally and are pointing to a SQL database that no longer exists or fails to connect, you can make the following change to get reconnected:

1. In the server list on the left hand side, right-click the server that no longer connects and select “Properties”:



2. Under the “Connection” tab in the properties dialog, replace the contents of the “Host name/address” section with the following: **analyticsga-psql.generalassemb.ly**



3. Click “Save”. You can now resume use of the database as before.