

Postgres and Postico Install

Last updated 10/2016

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Postgres Overview

Postgres is a SQL database. This guide merely shows you how to install the software needed to run Postgres. Actual lectures on using Postgres will follow.

Prerequisites

- You have previously installed Homebrew, the package manager for Mac OS.
- You have recently updated Homebrew.
 - Open a terminal
 - Type `brew update`
 - Press enter key

Installation

1. Open a terminal
2. Type `brew install postgres` (and type enter key)

Starting/Stopping Postgres (Option 1 of 2)

If you have installed Postgres with Homebrew, you can use the built-in Brew Services commands to start/stop the server as below:

1. **Stop the server:** `brew services stop postgresql`
2. **Start the server:** `brew services start postgresql`
3. **See what is running:** `brew services list`

Starting/Stopping Postgres (Option 2 of 2)

This method gives you a log of errors like node does.

1. In your terminal, type `postgres -D /usr/local/var/postgres` to start Postgres using the specified file location as a data directory
2. To stop Postgres, press the *control* and *C* keys at the same time

Create an Environment Variable Postgres (optional)

You might find it inconvenient to start postgres by typing in all of that stuff. You can make your life easier, by setting a PGDATA environment variable.

1. Open a terminal
2. Type `cd ~` and press enter key to get to your user's directory
3. Open and/or create a file named `.bash_profile`

4. Add the following line to the file:
 - i. `export PGDATA="/usr/local/var/postgres"`
5. Save the file.
6. Close the terminal window.
7. Open a new terminal window (to see the changes take effect).
8. Type `postgres` and press enter key to start your database.

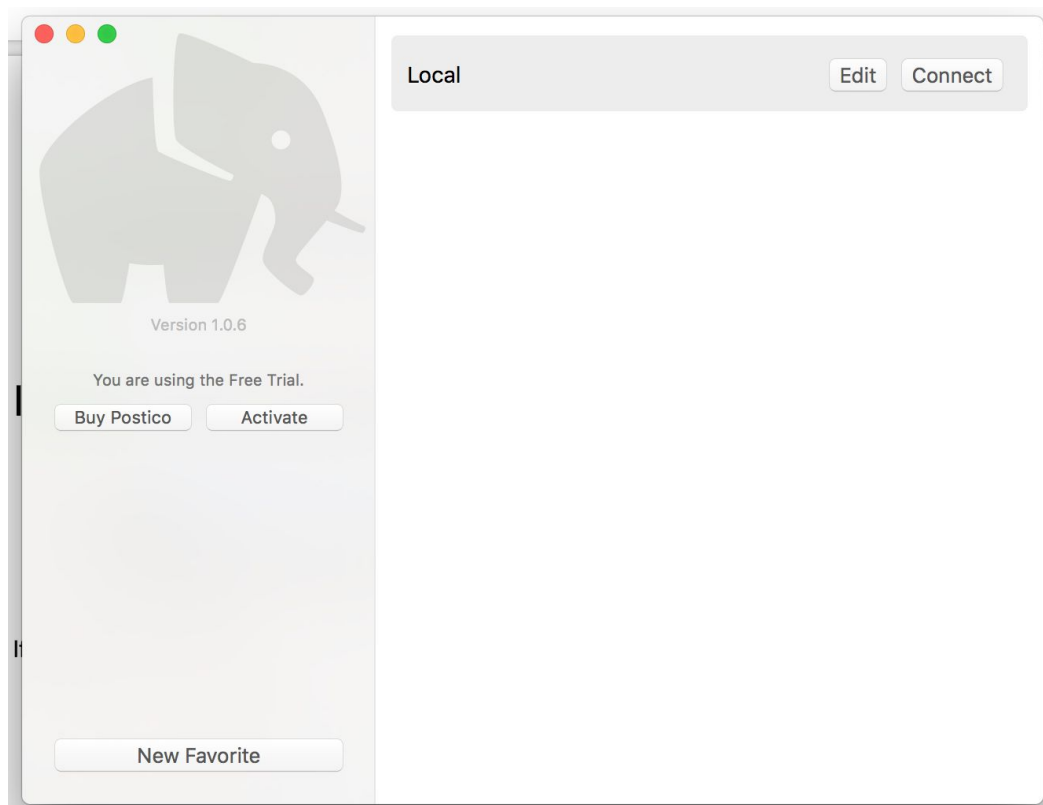
Postico (Database Client GUI app) Overview

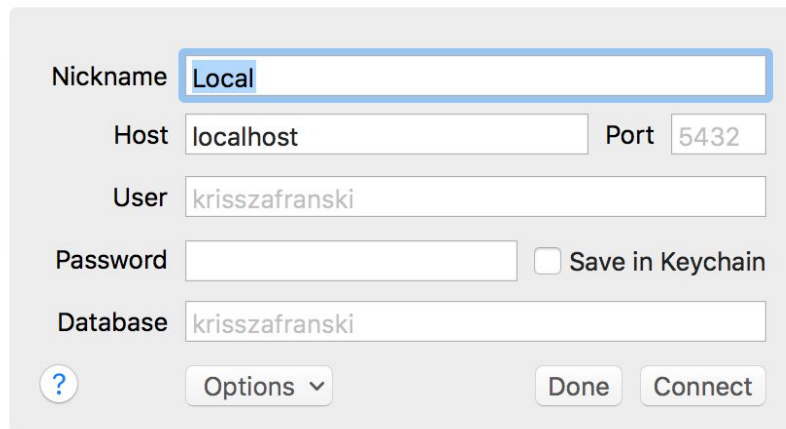
At this point we will have a Postgres server program running on our local computer. We're now going to install a graphical Client so we can have a fancy way to interact with our new server software.

Installation

1. Go to: <https://eggerapps.at/postico/>
2. Download
3. Unzip and move to your Applications folder
4. Open (double-click Postico icon)

First thing we need to do is establish a connection to our server. It's running locally.





By default, Postgres creates a database called whatever your username is. Here 'krisszafranski' is Kris Szafranski's username.

Create a Database

IMPORTANT: Only complete the following steps if you get an error when you try to connect stating this database does not exist.

To manually create your database

1. Open a Terminal
2. Type `createdb your_username_here`

Confirm Everything is Working

Now back in Postico you should be able to connect to the host: localhost with a database called your username.

1. Open Postico
2. Connect to the 'Local' that you just created (the 'connect' button). You should see this:

