

Database setup

One of the reasons that Augur is so powerful is because of its [unified data model](#). In order to ensure this data model remains performant with large amounts of data, we use PostgreSQL as our database engine. We'll need to set up a PostgreSQL instance and create a database, after which Augur can take care of the rest. Make sure to save off the credentials you use when you create the database, you'll need them again to configure Augur.

PostgreSQL Installation

Via Docker 🔗

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Via Windows

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Via Linux/Ubuntu

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Via MacOS

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Note about Database access

Before you can install our schema, you will need to make sure you have write access to a PostgreSQL 10 or later database. If you're looking for the fastest possible way to get Augur started, we recommend use our [database container](#). If you're looking to collect data long term, we recommend following the rest of this tutorial and setting up a persistent PostgreSQL installation.

! Warning

If you want to collect data over the long term, we strongly advise against using a Docker container for your database.

If you're a newcomer to PostgreSQL, you can follow their excellent instructions [here](#) to set it up for your machine of choice. We recommend using `Postgres.app` if you're on macOS, but if you're running UNIX or are looking for an alternative to `Postgres.app` then pgAdmin is a great open source alternative.

Creating a Database

After you've setup your PostgreSQL instance, you'll need to create a database and user with the correct permissions. You can do this with the SQL commands below, but be sure to change the password!

```
CREATE DATABASE augur;  
CREATE USER augur WITH ENCRYPTED PASSWORD 'password';  
GRANT ALL PRIVILEGES ON DATABASE augur TO augur;
```

For example, if you were using `psql` to connect to an instance on your machine `localhost` under the default user `postgres` on the default PostgreSQL port `5432`, you might run something like this to connect to the server:

```
$ psql -h localhost -U postgres -p 5432
```

Then, once you've connected to your PostgreSQL instance:

```
postgres=# CREATE DATABASE augur;  
postgres=# CREATE USER augur WITH ENCRYPTED PASSWORD 'password';  
postgres=# GRANT ALL PRIVILEGES ON DATABASE augur TO augur;
```

Once you've got the database setup, Augur will take care of installing the schema for you. You're now ready to [install Augur!](#)