# How to Visualize Your PostgreSQL Database with One Command (and Nothing to Install)

#database

Ever wondered what the tables in your PostgreSQL database look like, and how they are related to each other? Generate a diagram of your PostgreSQL database with one command. You can run this on any system that has Docker installed.

On a Linux system, run a command like:

```
docker run \
    --mount type=bind, source="$(pwd)", target=/home/schcrwlr \
    --rm -it \
    schemacrawler/schemacrawler \
    /opt/schemacrawler/bin/schemacrawler.sh \
    --server postgresql \
    --host castor.db.elephantsql.com \
    --user yourusername \
    --password yourpassword \
    --database yourdatabase \
    --info-level standard \
    --command schema \
    --output-file output.png
```

The command assumes that you have created a sample database on the excellent <u>ElephantSQL</u> service, including some tables and foreign keys. You will need to obtain the username, password and database name of your ElephantSQL instance. A file called "output.png" will be generated with the database schema, including foreign key relationships.

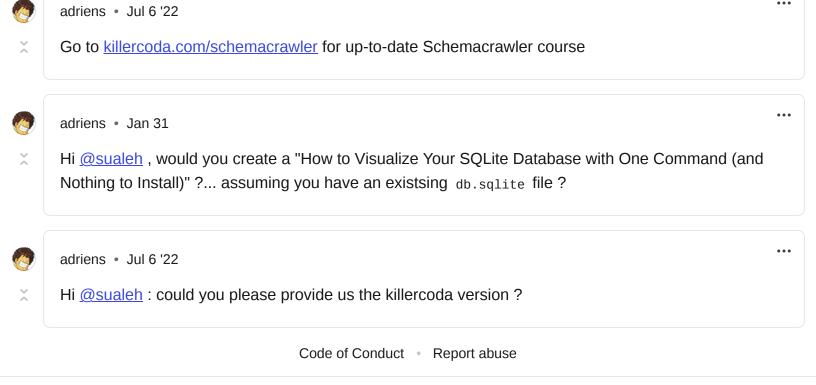
If you are using PowerShell on Windows, replace the trailing backslash on each line with a backtick, and map the current directory differently. Run this command:

```
docker run `
--mount type=bind, source="${PWD}", target=/home/schcrwlr `
--rm -it `
schemacrawler/schemacrawler `
/opt/schemacrawler/bin/schemacrawler.sh `
--server postgresql `
```

```
--host castor.db.elephantsql.com `
--user yourusername `
--password yourpassword `
--database yourdatabase `
--info-level standard `
--command schema `
--output-file output.png
```

You can generate PDF files, and other types of output too. Go through the <u>SchemaCrawler tutorials</u> on <u>Katacoda</u> to learn more SchemaCrawler commands.

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## Friends don't let friends browse without dark mode.

Good news! You can update to dark mode in your DEV settings.



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