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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 [ElephantSQL](#) 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 back-tick, 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 [SchemaCrawler tutorials on Katacoda](#) to learn more SchemaCrawler commands.

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adriens • Jul 6 '22 



Go to killercoda.com/schemacrawler for up-to-date Schemacrawler course



adriens • Jan 31 



Hi [@sualeh](#) , would you create a "How to Visualize Your SQLite Database with One Command (and Nothing to Install)" ?... assuming you have an existising `db.sqlite` file ?



adriens • Jul 6 '22 



Hi [@sualeh](#) : could you please provide us the killercoda version ?

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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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WORK

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Apr 19, 2020

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