

Tips , Tricks , and Gotchas

(with a few hacks)

2018-09-20 - LA PostgreSQL User Group

Quick Outline

Who is this guy?

What does he know about PostgreSQL?

What's the point of this presentation?

What will we cover?

Who is this guy?

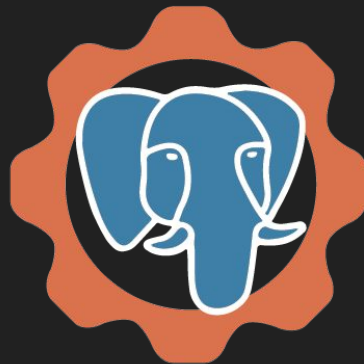
Darren Douglas

Software Development Consultant

20 yrs: DOE/NNSA, IBM, Leica Geosystems, Consultant, Trainer

[linkedin.com/in/darrendouglas](https://www.linkedin.com/in/darrendouglas)

[postgrescourse.com](https://www.postgrescourse.com)



POSTGRES
COURSE.COM

What does he know about PostgreSQL?

PostgreSQL User/Admin/Developer since 2008

Storage of high-precision GPS, mineral qualities, and operations data for large mining operations

Development of SMS text marketing applications

Development of data mining applications on Amazon Redshift clusters

Programming of web applications with Python (Flask)

Development of BI dashboards and reports with Tableau and JasperSoft

What's the point of this presentation?

Trial and error is a **GREAT** teacher!

Frustration ... not so much.

Quick presentation to show BASIC stuff about PostgreSQL that can save time, avoid frustration and show how much fun working with PostgreSQL can be!

What will we cover? (Critical stuff in 1.5 training days)

Tips:

Understand a few things about PostgreSQL DBMS architecture and operations

Tricks:

Demonstrate a few everyday tasks using PostgreSQL

Gotchas:

Review and solve challenges new administrators frequently encounter

Tips

Executables (initdb, psql, postgres, pg_ctl, pg_dump)

Understand the cluster (components/implications)

What's in a new cluster (template0, template1, postgres)

Tricks

psql power!

Flat file export with psql only

Quick ways to build a safety net during development (pg_dump and template)

Transfer database between instances without file transfer

Gotchas

pg_hba.conf (top down)

Table name case sensitivity (Windoze imports)

Debugging startup issues (if you don't like tailing logs)

Log settings (working with ORM frameworks)

Thanks!

Pick up a sticker and
a card!