Pivotal

A NEW PLATFORM FOR A NEW ERA

GPDB psql Client



Pivotal® **Greenplum Database**

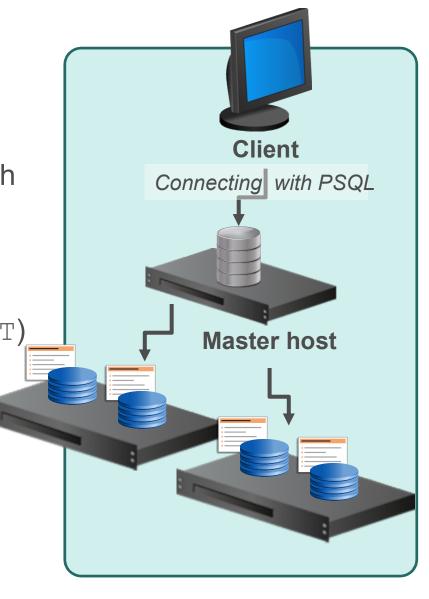
Agenda

- Introduction
- Connect to GPDB
- Issue SQL commands
- Use psql "meta-commands"
- Some things not to do with psql
- Test it out in the lab

Connecting with PSQL

Using PSQL, you:

- Connect through the master
- Specify connection information with the following options:
 - database name (-d |
 PGDATABASE)
 - master host name (-h | PGHOST)
 - master port (-p | PGPORT)
 - user name (-U | PGUSER)
- Connect the first time to:
 - template1 database
 - default superuser account
 (gpadmin)



Issuing SQL Commands

Commands can be issued in:

Interactive mode:

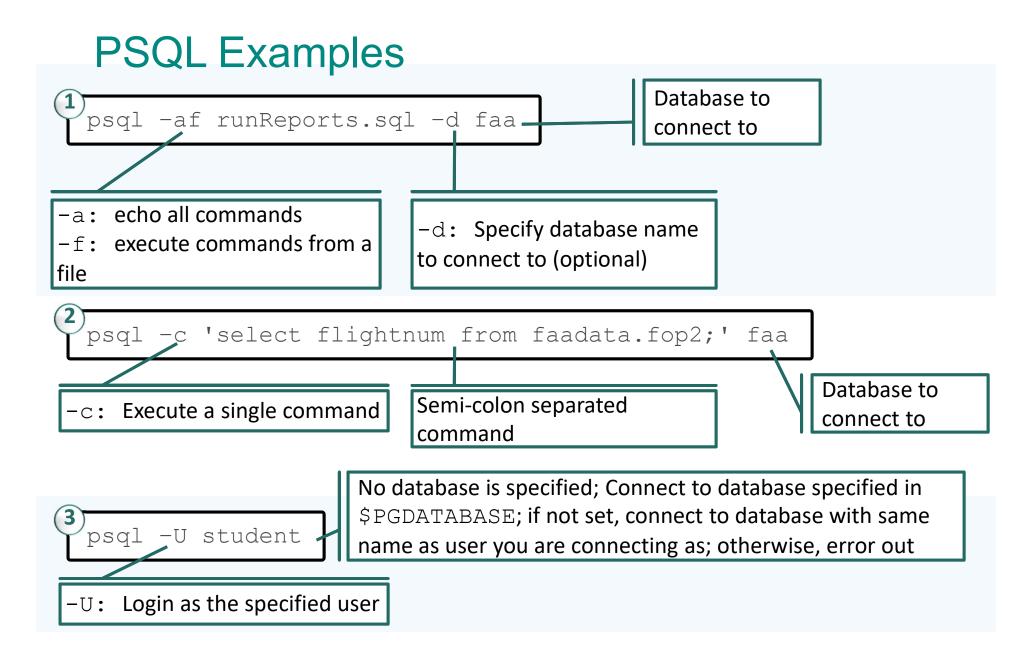
```
psql mydatabase
mydatabase=# SELECT * FROM foo;
```

 Non-interactive mode lets you run a semicolon separated list of commands

```
psql mydatabase -ac 'SELECT * FROM foo; '
```

Non-interactive mode lets you run multiple commands

```
psql mydatabase -af
/home/lab1/sql/createdb.sql
```



Common PSQL Meta-Commands

Meta-Command	Description
/?	Help on psql meta-commands
\h	Help on SQL command syntax
\dt	Show tables
\dtS, \dvS	Show system tables, show system views
\dg	Show roles
\du	
\1	Show databases
\c db_name	Connect to the specified database
\dn	Show schemas
/d	Quit psql
\dx	Show external tables
<pre>\timing (on off)</pre>	Toggle query timing on or off (on/off is optional)

Some Configurability

```
[gpadmin@gpdb-sandbox ~]$ cat ~/.psqlrc
\timing on
[gpadmin@gpdb-sandbox ~]$ cat ~/.editrc
bind -v
[gpadmin@gpdb-sandbox ~]$ |
```

But, **Don't** Do This

Use psql to offload large amounts of data

Review

- Connect to GPDB
- Issue SQL commands
- Use psql "meta-commands"
- Some things not to do with psql
- Test it out in the lab

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