postgresql Cheat Sheet

by cgp via cheatography.com/42358/cs/39552/

Database

\l	list databases
\l+	list databases with more details
\c <db_name>	Connects to a given database
\h CREATE DATABASE	gives help on creating a database
CREATE DATABASE mytest;	Creates a database called mytest

Table

\d <TABLE_NAME>	Shows information on the given table_name
\d+ <TABLE_NAME>	Gives more detailed info on a given table
\dt	List tables from a given schema
\dt .	List tables from all schemas
\dt <name-of-schema>.*	List tables for a given schema
\copy (SELECT * FROM <my_table>) TO 'file_path_and_name.csv' WITH CSV	Copies data from a table to a CSV file
ANALYZE [__table__]	Shows statistics about a table
SELECT * FROM pg_indexes WHERE tablename='__table_name__' AND schemaname='__schema_name__';	Show indexes on a table
Comment on table employee is 'Stores employee records';	Add a comment about a table
Comment on column employee.ssn is 'Employee Social Security Number';	Add a comment about a column in a table

Command line

psql [OPTION]... [DBNAME [USERNAME]]

-d, --dbname=-DBNAME	database name to connect to (default: "-family")
-f, --file=FILENAME	execute commands from file, then exit
-c, --command=COMMAND	run only single command (SQL or internal) and exit
-h, --host=HOSTNAME	database server host
-p, --port=PORT	database server port (default: "5432")
-U, --username=USERNAME	database user name (default: "family")
-H, --html	HTML table output mode

Configuration

show all	Display configuration parameters
select * from pg_settings;	Display configuration parameters using sql
show config_file;	Show location of config file

User Commands

\password <username>	Change the password for given username
select * from pg_user;	Show all users
DROP USER <username>	Removes a given user
CREATE USER name [[WITH] option [...]]	Cre

Backup and Restore

$ pg_dump mydb > mydb.bak.sql
// Create a backup for a database “mydb” in plain-text SQL Script file (mydb.bak.sql) (pg_dump)
$ pg_dump -c -C -F p -f mydb.bak.sql mydb
// Creates a backup for a database “mydb” in plain text format with drop & create database commands included in output file mydb.bak.sql (pg_dump)
psql -U username -f filename.sql
// restores from a set of SQL commands as given above



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