Connecting to PostgreSQL

# Quick Start Details

**Hostname**: dbase.dsa.missouri.edu

**Database Name**: dsa\_student

**Credentials**: MU SSO credentials

Connect Example from server: **jupyterhub.dsa.missouri.edu**

|  |
| --- |
| $ psql -h dbase.dsa.missouri.edu cs\_student  Password:  psql (9.5.8)  Type "help" for help.  cs\_student=# |

**PostgreSQL Database Cluster:**

The PostgreSQL database cluster includes a database named “dsa\_student”.

In that database, students each have a “schema” which is a namespace for them to create objects.

Students will interact with the database using command line client (psql) or scripts and programming code. Currently, the dbase server is only accessible from **jupyterhub.dsa.missouri.edu**.

## Additional Method: Direct SSH using special port 8022

ssh -p 8022 jupyterhub.dsa.missouri.edu

Then use the **psql** command as shown at top of the page.

### Basic PostgreSQL Commands

0. Command help:

\?

1. Setting Search Path (substitute your SSO for the characters SSO):

set search\_path to SSO, public;

2. See your tables

\dt

3. Describe a table: e.g., my\_table

\d my table

4. List tables in a particular schema, e.g., public or your SSO

\dt public.\*

\dt SSO.\*

5. Access database resources with fully qualified name, e.g. public.test\_table

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| --- |
| cs\_student=> select \* from public.test\_table;  id | t  ----+------------  1 | Hello DBMS  (1 row) |