

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**

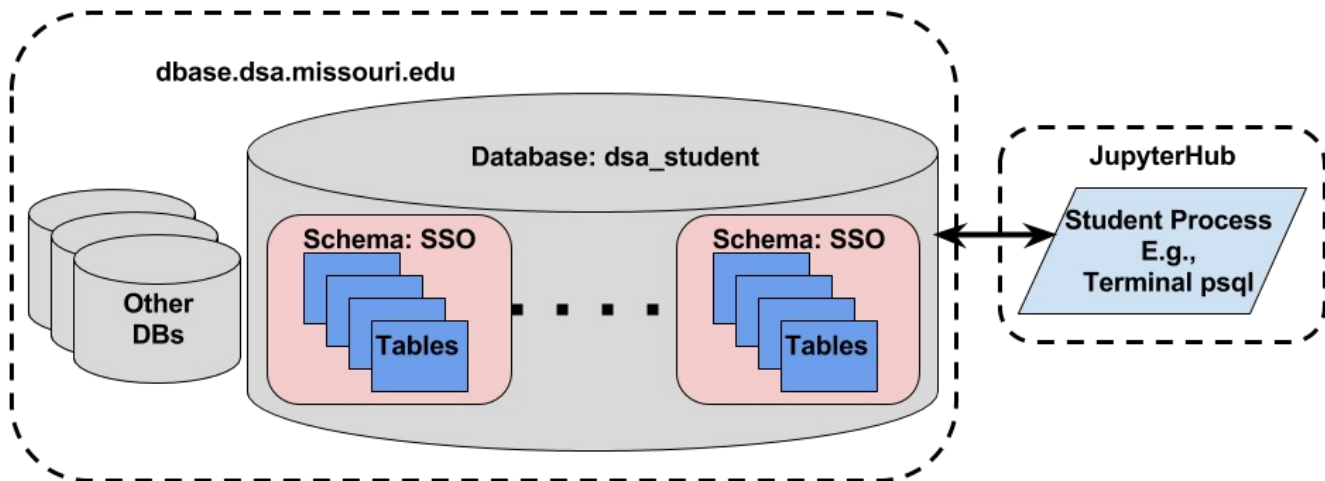
```
$ psql -h dbase.dsa.missouri.edu dsa_student
Password:
psql (9.5.8)
Type "help" for help.

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**.

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

```
dsa_student=> select * from public.test_table;
 id |      t
----+-----
  1 | Hello DBMS
(1 row)
```