

# Connecting to PostgreSQL

## Quick Start Details

**Hostname:** `pgsql.dsa.lan`

**Database Name:** `dsa_student`

**Credentials:** MU SSO credentials

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

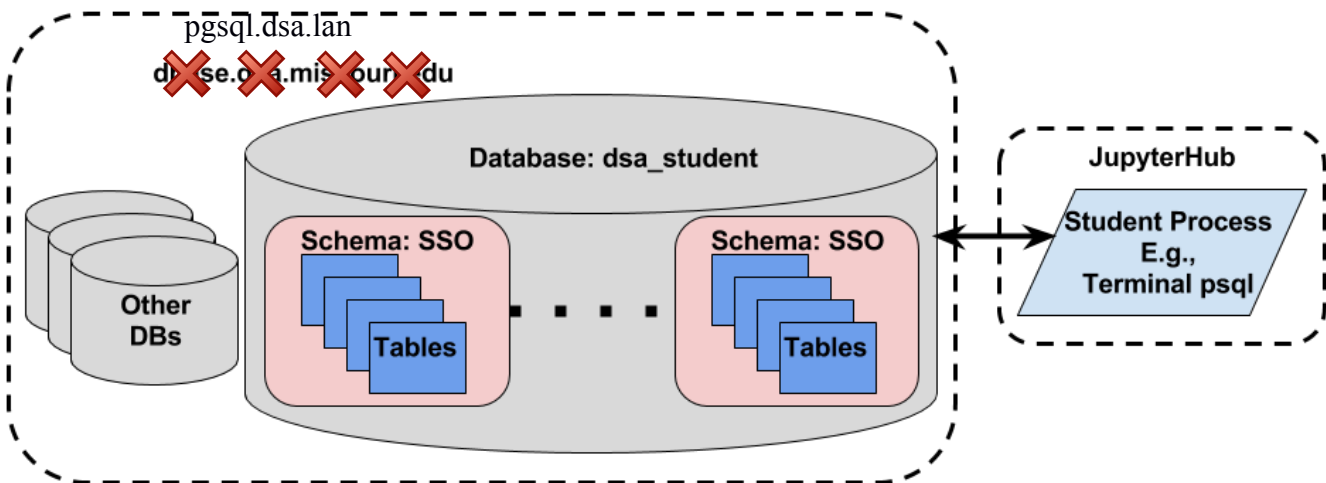
```
$ psql -h pgsql.dsa.lan dsa_student
Password:
psql (9.5.8)
Type "help" for help.

dsa_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 **europa.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)
```