

# Postgres SQL

Install PostgreSQL client

Mac:

```
> brew install postgresql
```

Ubuntu:

```
> apt-get install postgresql-client
```

## Connect using psql

```
> psql --host=tardis.dev.pci.irdeto.com --port=5433 --dbname=postgres --username=dbmaster --password
```

or

```
> psql -h db-master -p 5432 -d mcjdev -U keystone -W
```

## Dump Database

```
> pg_dump --host=localhost --port=5432 --dbname=TardisDB --username=dbmaster --password >db_dump.sql
```

## Import DB Dump

```
> psql --host=localhost --port=5432 --dbname=TardisDB --username=dbmaster --password < db_dump.sql
```

## Create User

```
> CREATE User <username> WITH PASSWORD 'password';
```

```
> SELECT * FROM pg_user;
```

```
> DROP USER <username>;
```

## Alter User's Password

```
> ALTER USER <username> WITH PASSWORD 'password';
```

## Create Database

```
> CREATE DATABASE "dbname";
```

```
> CREATE DATABASE "dbname" WITH OWNER = "provisioner";
```

```
> GRANT ALL PRIVILEGES on DATABASE <dbname> TO <user>;
```

## Update a Field in a Table

```
> update <table> set <field> = <value> where <other_field> = <othe_value>;
```

ex: update flyway\_schema\_history set checksum = -673794054 where version = '000003';

## Query using JSON field

```
> select * from users where attributes->>'name' like '%johnmx%';
```

Common Commands

Command	Description
\l	List databases
\list	
\l+	
\dt	List all tables in the current database
\d	List all tables, views and sequences
\d+	
\connect database_name	Connect to the database
\d table	Describe table
select username from pg_user	List users
\dn	List schemas
show search_path;	display current search path/schema
set search_path to <schema>;	switch to schema