Lab 09 AWS RDS Review

WebApp
DataLab, CS, NTHU
2019 Spring

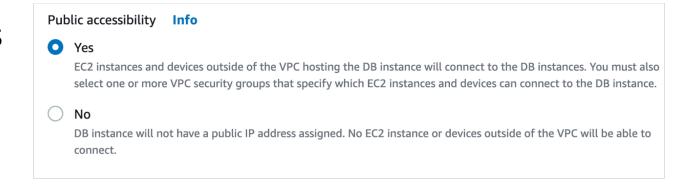
weathermood-server

From file to database system

branch file branch db

- Create RDS instance in AWS
 - PostgresDB is recommended in this assignment

Set public accessibility to yes



Configure security group



• In config.js, enter your RDS endpoint, username and password

You can configure them using environment variables

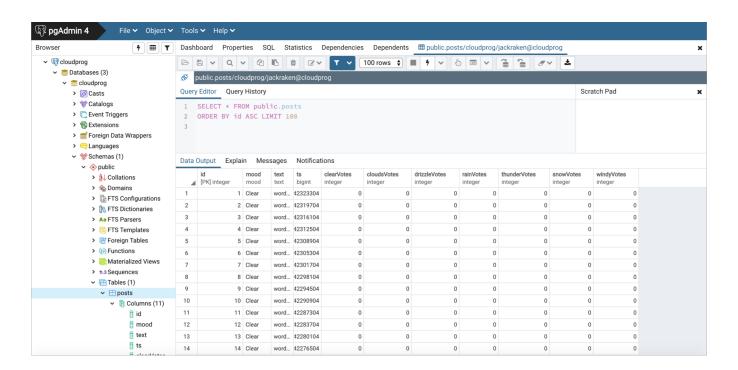


Create the schema before running the server

```
CREATE TYPE mood AS ENUM (
   'Clouds',
   'Drizzle',
   'Snow',
    'Windy'
CREATE TABLE posts (
                   serial PRIMARY KEY NOT NULL,
                   mood NOT NULL.
                   text NOT NULL,
                   bigint NOT NULL DEFAULT (extract(epoch from now())),
   "clearVotes"
                   integer NOT NULL DEFAULT 0,
   "cloudsVotes" integer NOT NULL DEFAULT 0,
   "drizzleVotes" integer NOT NULL DEFAULT 0,
                   integer NOT NULL DEFAULT 0,
   "thunderVotes" integer NOT NULL DEFAULT 0,
                   integer NOT NULL DEFAULT 0,
   "snowVotes"
   "windvVotes"
                   integer NOT NULL DEFAULT 0
CREATE INDEX posts_idx_ts ON posts USING btree(ts);
CREATE INDEX posts_idx_text ON posts USING gin(text gin_trgm_ops);
```

npm run schema

- In this assignment, You might need to create new tables or test SQL queries
- You can use pdAdmin to accomplish this



Assignment - Weathermood Server DB-TODO

In this assignment, you are asked to improve your todo function using relational database.

Requirement

- 1. Must Deploy to AWS(Must!!! or you will get 0. You may need to use AWS RDS)
- 2. (80%) Store and get data from DB(So you maybe need to design the DB schema).
- 3. (20%) Must have pagination function.

You still need to use redux

Submit

- 1. One submission per team.
- 2. Submit *BOTH* client / server side code to GitLab.
- 3. Add another readme file which notes:
 - 1. Your team member's contribution.
 - 2. Your website url.

Deadline

Submit your work before 2019/05/16 (Thu.) 23:59:59