PostgreSQL

Information for the Integrator.

Connect
- ***locally***
    - psql -U dorohd -d granular_access_db
- ***remotely***
    - The integrator has to ask the exposee for a url, since it's procedurally generated and only lasts 60min at a time.
- ***command will look something like:***
    - psql -h rncju-185-121-174-74.a.free.pinggy.link -p 33569 -U dorohd -d granular_access_db

The reason I am using Pinggy to create a tunnel is because other tools like LT, it seemed to cause trouble when integrator tried to connect.

Useful commands once connected
- ***\dn***
    - shows all schemas in the DB
- ***\d***
    - shows all tables in a selected schema
- ***\du***
    - shows all user permissions

Users
- username: dorohd
- password: ohnocringe

SCHEMAS
- public
    - with table: public_table
- read_only_data
    - with table: read_only_table
- write_only_data
    - with table: write_only_table
- restricted_data
    - with table: sensitive_table

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Permissions for dorohd
- **public tables**
    - INSERT, SELECT, UPDATE, DELETE
- **read_only_data tables**
    - SELECT
- **write_only_data tables**
    - INSERT
- **restricted_data tables**
    - SELECT USING 'department_id'
    - UPDATE USING 'username'

Screenshots from exposee's database.

PostgreSQL

```
si-04b=> SELECT * FROM masked_employee_salary;
  name   | salary
---------+--------
 troels  |
 david   |
 anders  |
 lasse   |   1000
(4 rows)
```

```
si-04b=> SELECT * FROM employees
si-04b-> ;
ERROR:  permission denied for table employees
```

```
ERROR:  permission denied for table products
si-04b=> INSERT INTO products (name,price) VALUES ('laptop', 5000);
ERROR:  permission denied for table products
si-04b=>
```