PostgreSQL - How to grant access to users?

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How to grant access to users in PostgreSQL?

Here are some common statement to grant access to a PostgreSQL user:

**1. Grant CONNECT to the database:**

GRANT CONNECT ON DATABASE database\_name TO username;

**2. Grant USAGE on schema:**

GRANT USAGE ON SCHEMA schema\_name TO username;

**3. Grant on all tables for DML statements: SELECT, INSERT, UPDATE, DELETE:**

GRANT SELECT, INSERT, UPDATE, DELETE ON ALL TABLES IN SCHEMA schema\_name TO username;

**4. Grant all privileges on all tables in the schema:**

GRANT ALL PRIVILEGES ON ALL TABLES IN SCHEMA schema\_name TO username;

**5. Grant all privileges on all sequences in the schema:**

GRANT ALL PRIVILEGES ON ALL SEQUENCES IN SCHEMA schema\_name TO username;

**6. Grant all privileges on the database:**

GRANT ALL PRIVILEGES ON DATABASE database\_name TO username;

**7. Grant permission to create database**:

ALTER USER username CREATEDB;

**8. Make a user superuser**:

ALTER USER myuser WITH SUPERUSER;

**9. Remove superuser status**:

ALTER USER username WITH NOSUPERUSER;

Those statements above only affect the current existing tables. To apply to newly created tables, you need to use alter default. For example:

ALTER DEFAULT PRIVILEGES

FOR USER username

IN SCHEMA schema\_name

GRANT SELECT, INSERT, UPDATE, DELETE ON TABLES TO username;