



Placement Empowerment Program
Cloud Computing and DevOps Centre

100 Days of DevOps Challenge

Day 17 : Install and Configure PostgreSQL

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Install and Configure PostgreSQL

Objective :

- Create a PostgreSQL user **kodekloud_gem** with password **B4zNgHA7Ya**.
- Create a database **kodekloud_db7**.
- Grant all privileges on the database to the new user.

Steps Performed :

1. SSH into the database server :

- `ssh peter@stdb01`

2. Switch to the postgres user :

- `sudo su - postgres`

3. Open PostgreSQL shell :

- `psql`

4. Create the user with password :

- `CREATE USER kodekloud_gem WITH PASSWORD 'B4zNgHA7Ya';`

5. Create the database :

- `CREATE DATABASE kodekloud_db7;`

6. Grant privileges on the database to the user :

- `GRANT ALL PRIVILEGES ON DATABASE kodekloud_db7 TO kodekloud_gem;`

7. Verify the setup (optional)

- List roles: `\du`
- List databases: `\l`

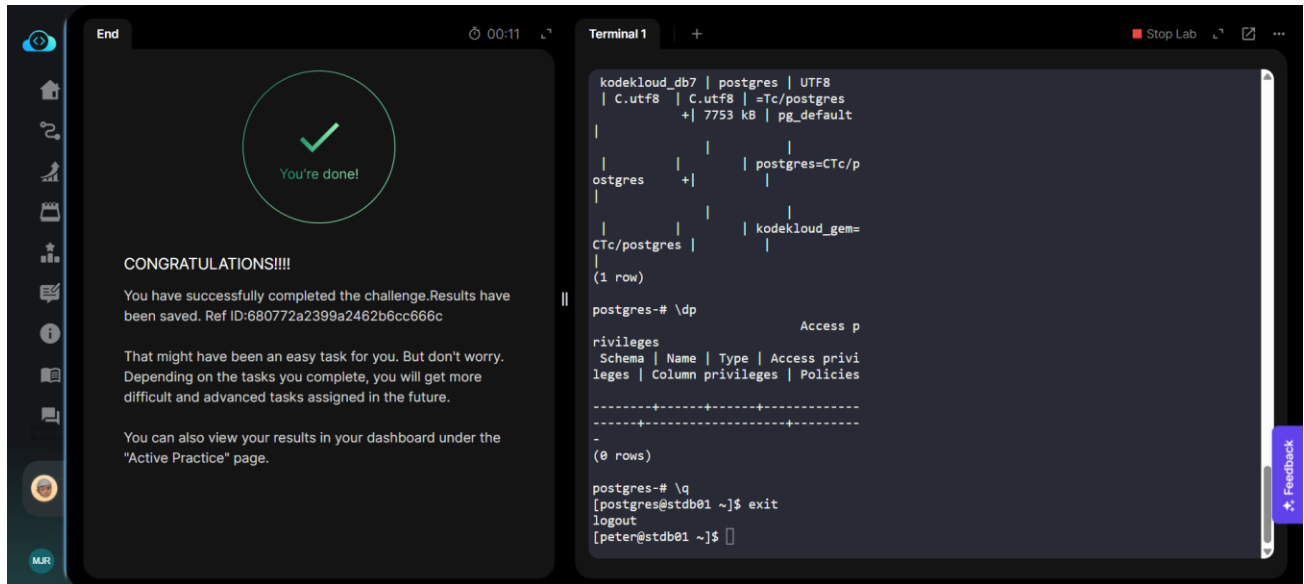
8. Exit PostgreSQL shell :

- `\q`

9. Exit from postgres user

- exit

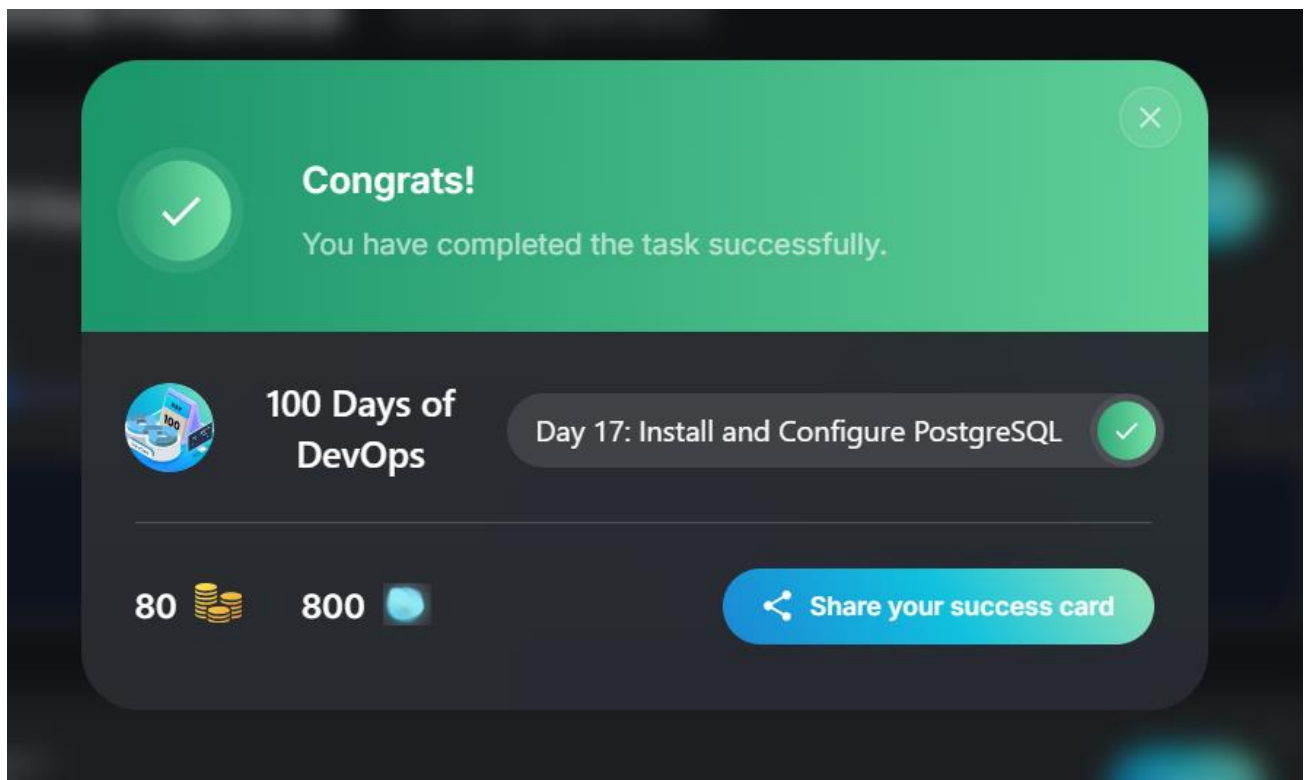
✓ **Task Completed:** User kodekloud_gem has been created with privileges on database kodekloud_db7.



The screenshot shows a terminal window with the following output:

```
kodekloud_db7 | postgres | UTF8
| C.utf8 | C.utf8 | =Tc/postgres
+| 7753 kB | pg_default
|
|
| postgres=CTc/p
|
|
| CTc/postgres |
| (1 row)
||
postgres=# \dp
Access p
privileges
Schema | Name | Type | Access privi
leges | Column privileges | Policies
-----+-----+-----+-----
-
(0 rows)

postgres=# \q
[postgres@stadb01 ~]$ exit
logout
[peter@stadb01 ~]$
```



Congrats!
You have completed the task successfully.

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