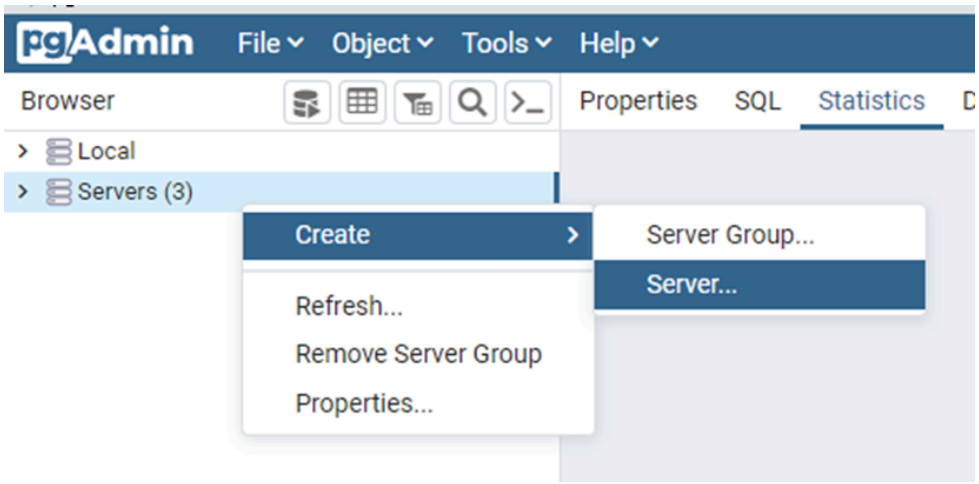
IDEMS App – DB User Management

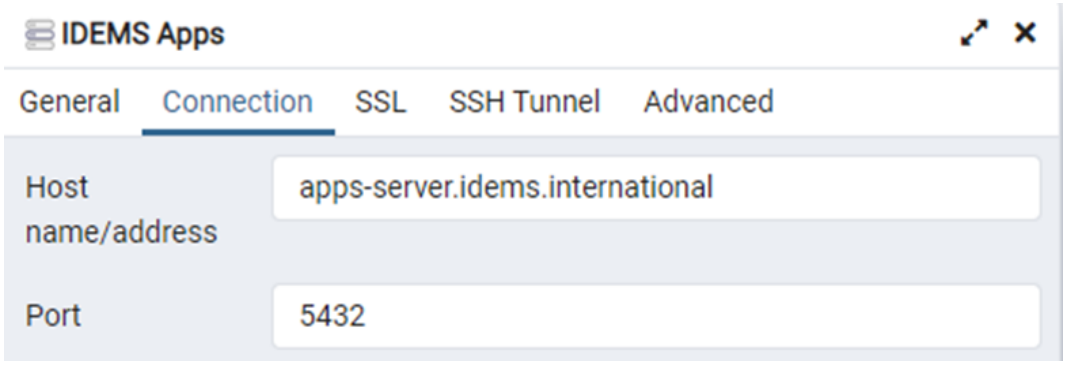
Initial Setup

Download PgAdmin 4: https://www.pgadmin.org/

Create a new server connection



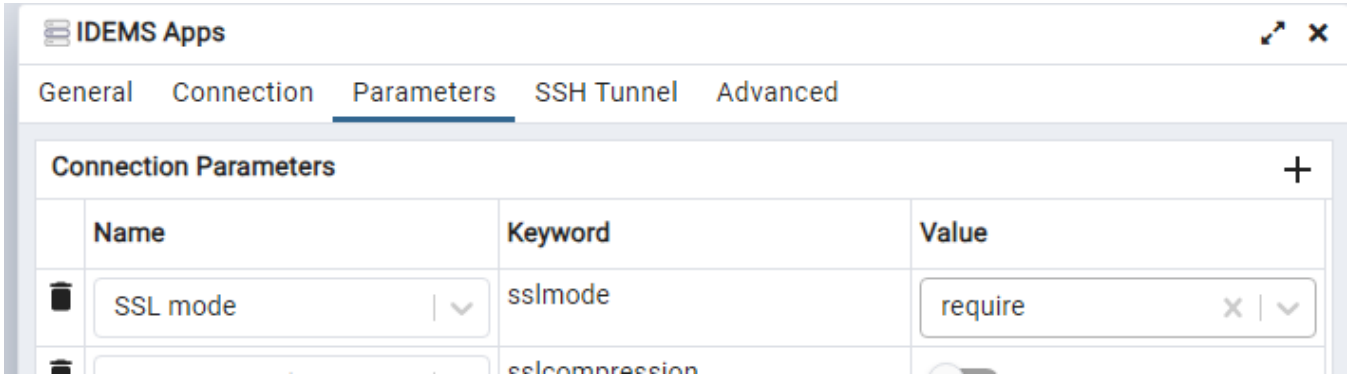
Configure connection for apps server (username and password should be requested from admin)



Host: apps-server.idems.international

Port: 5432

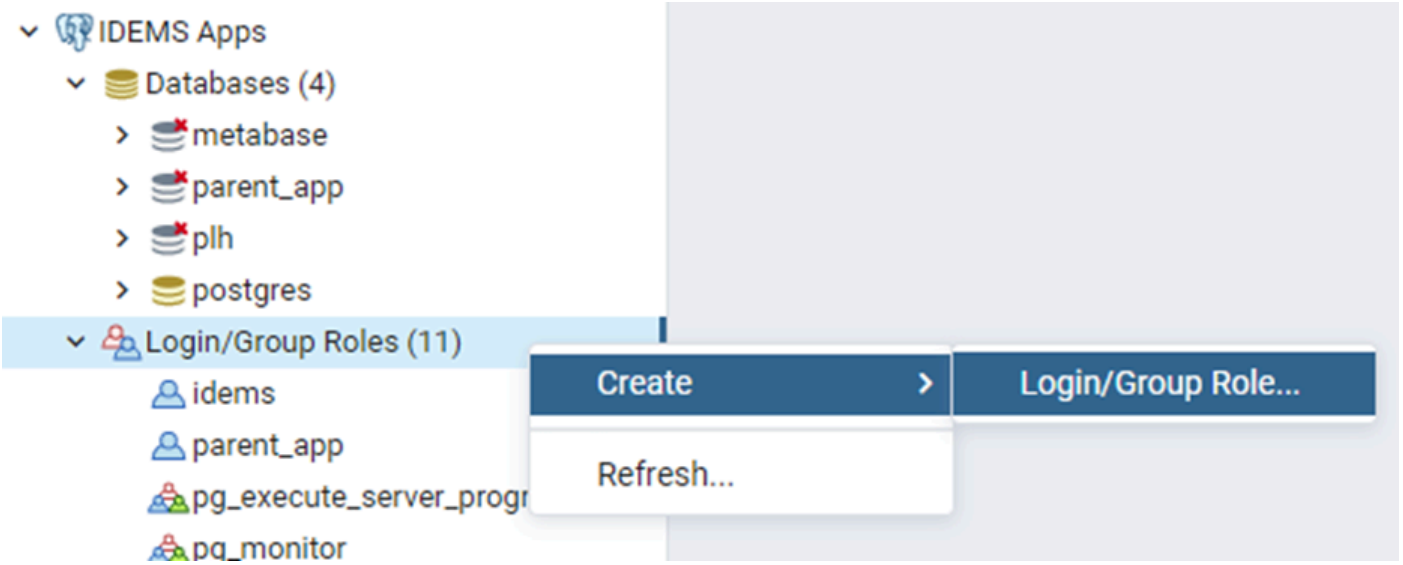
Set the “SSL mode” parameter to “require” on the parameters tab.



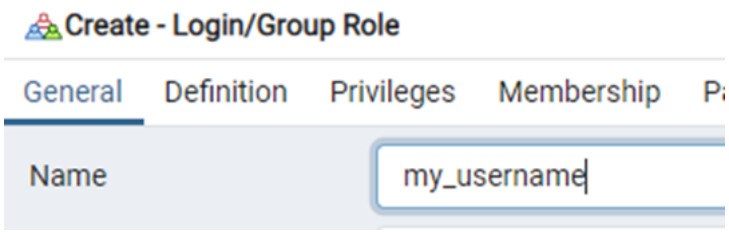
Creating Users

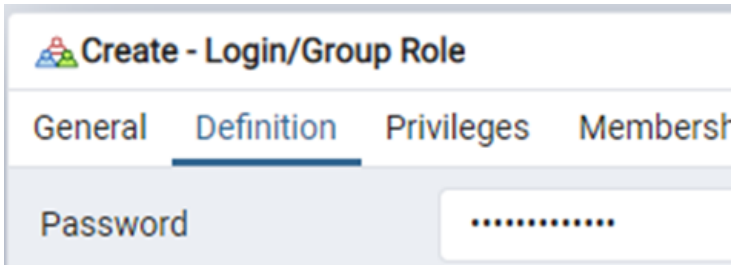
When connected you should see list of Databases, logins. Etc.

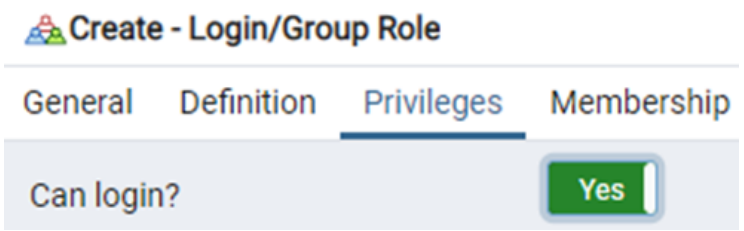
Right-click on Login/Group Roles to create new user



Create username, password and provide any additional permissions such as login

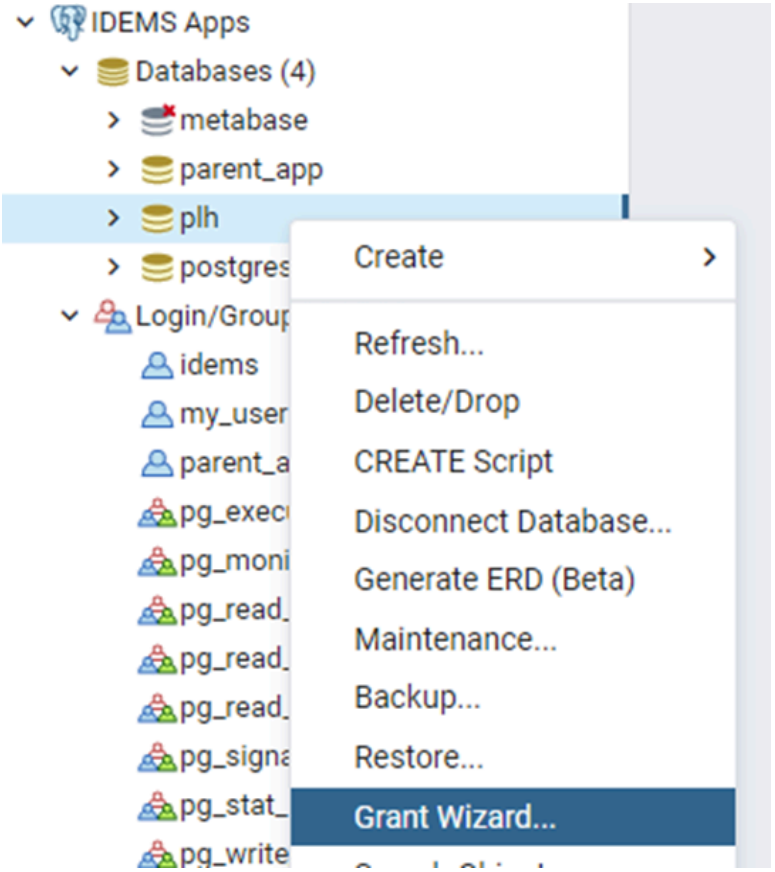






Provide permissions to access database objects

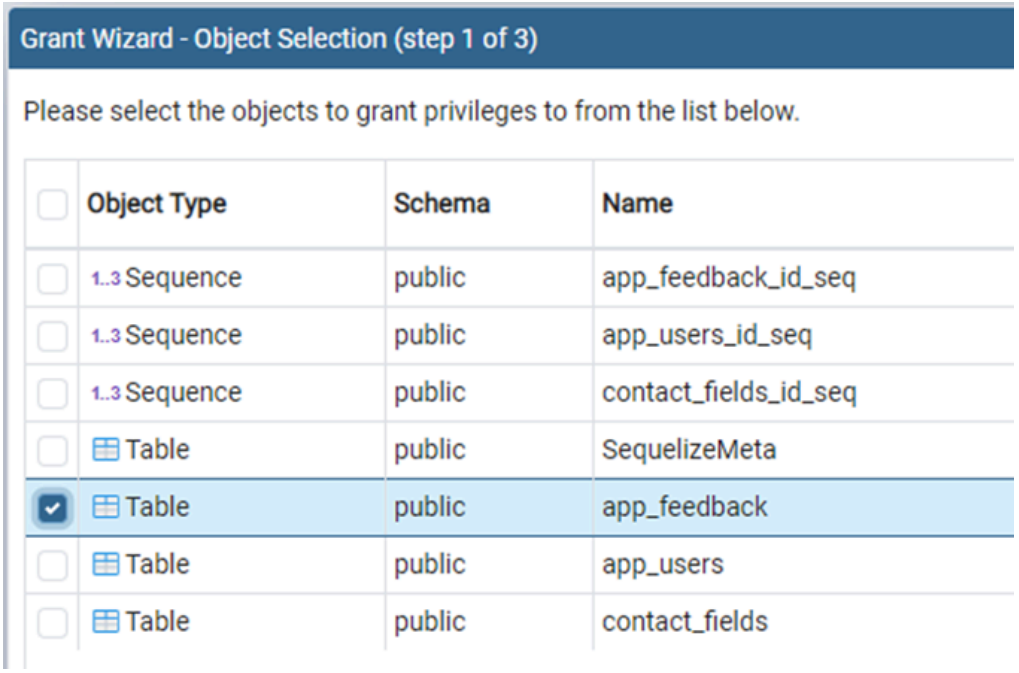
Right-click on a database and select *Grant Wizard*

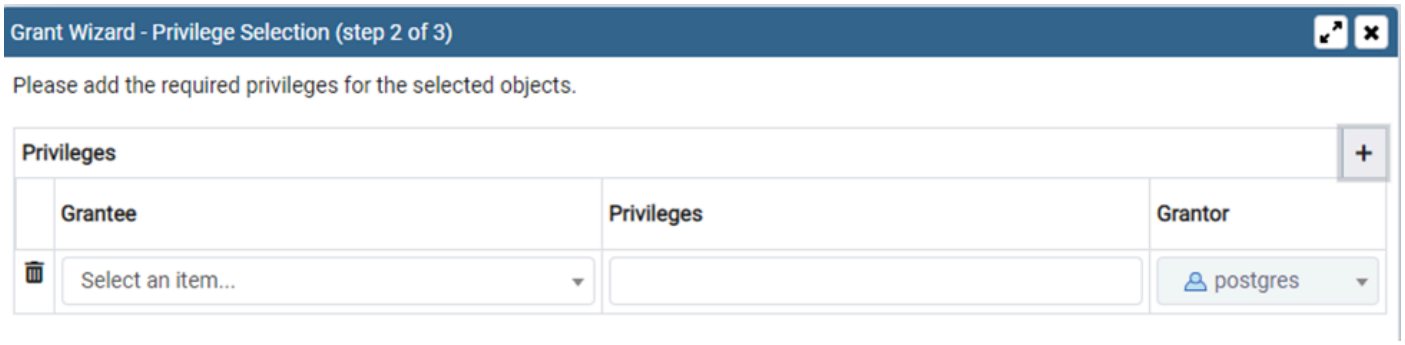


Follow wizard instructions to create permissions for specific resources

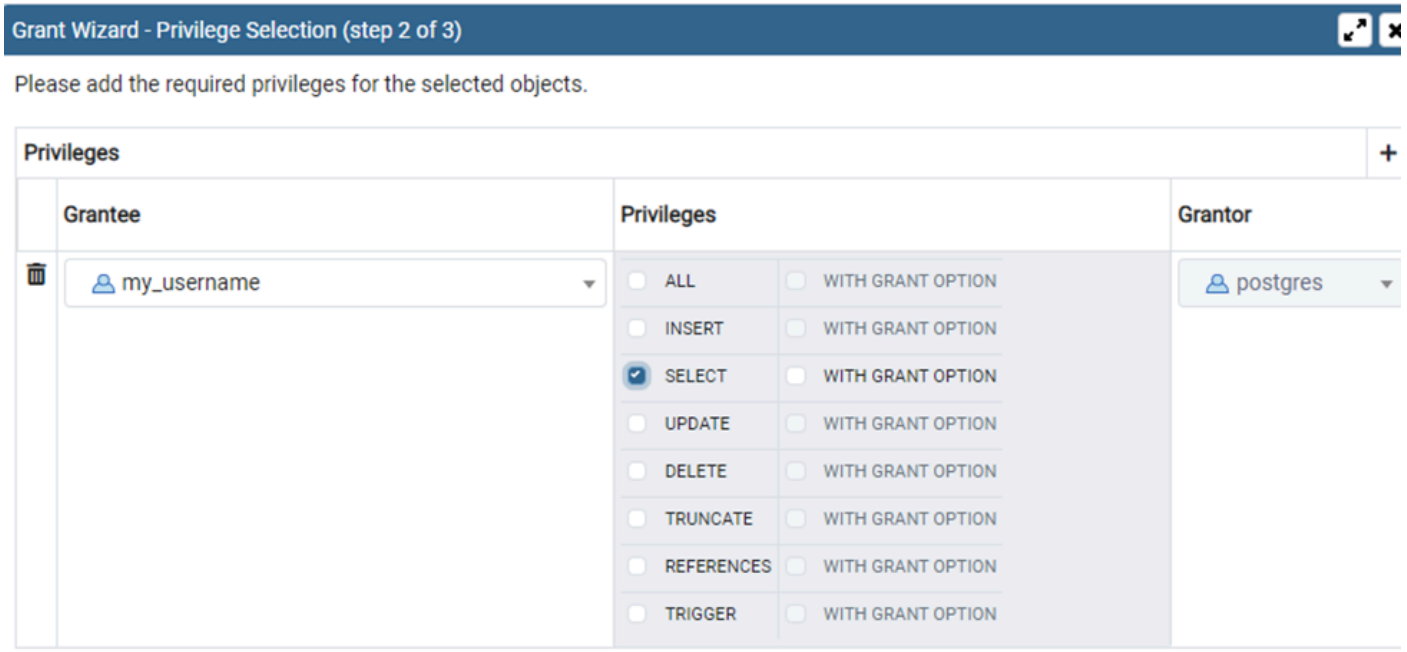
[Grant read access to 'app_notification_interaction', 'app_users' and 'app_feedback']

E.g. provide read access to the new user for the app_feedback table



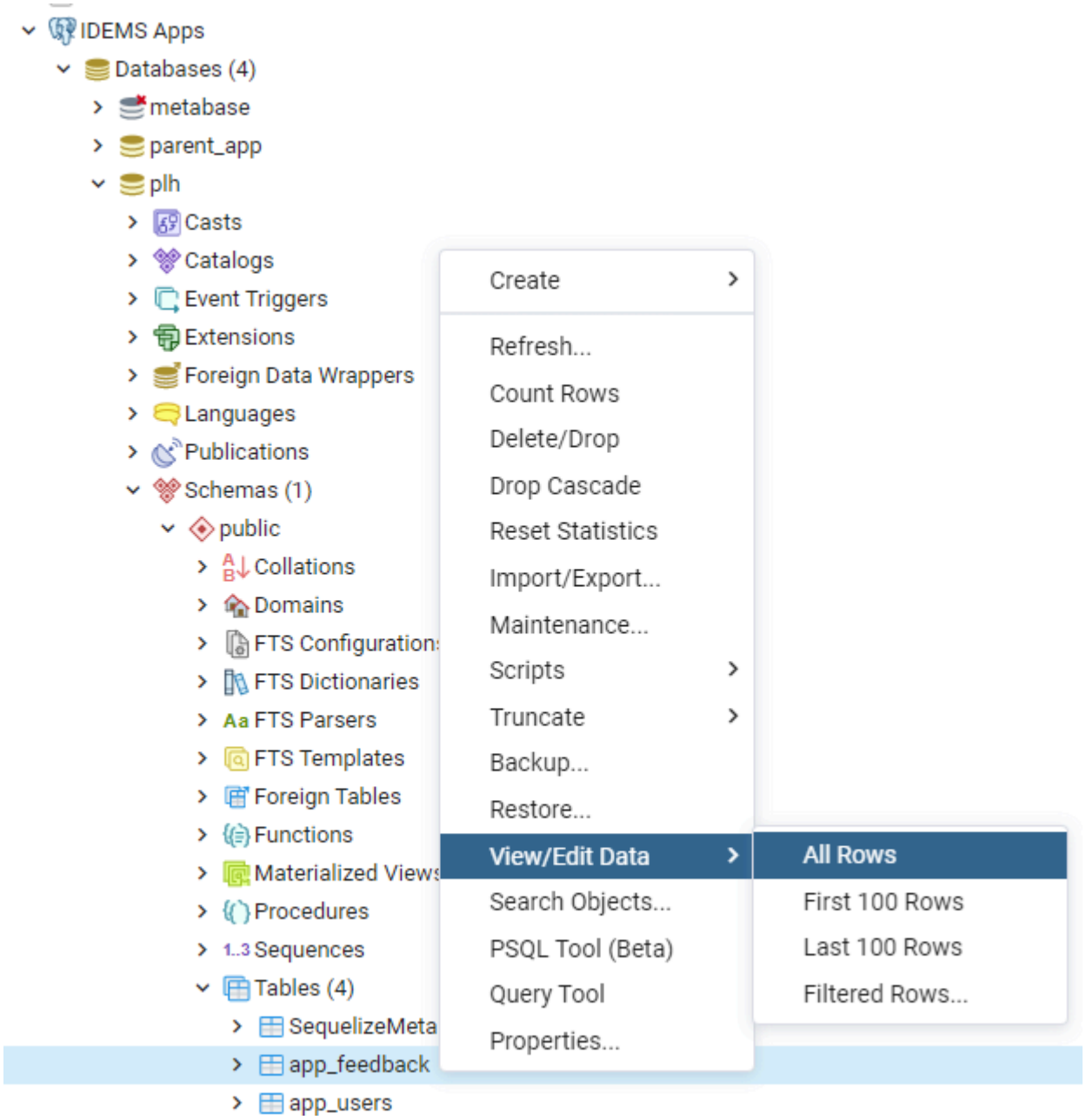


Use the + button to add new permissions, and dropdown to specify

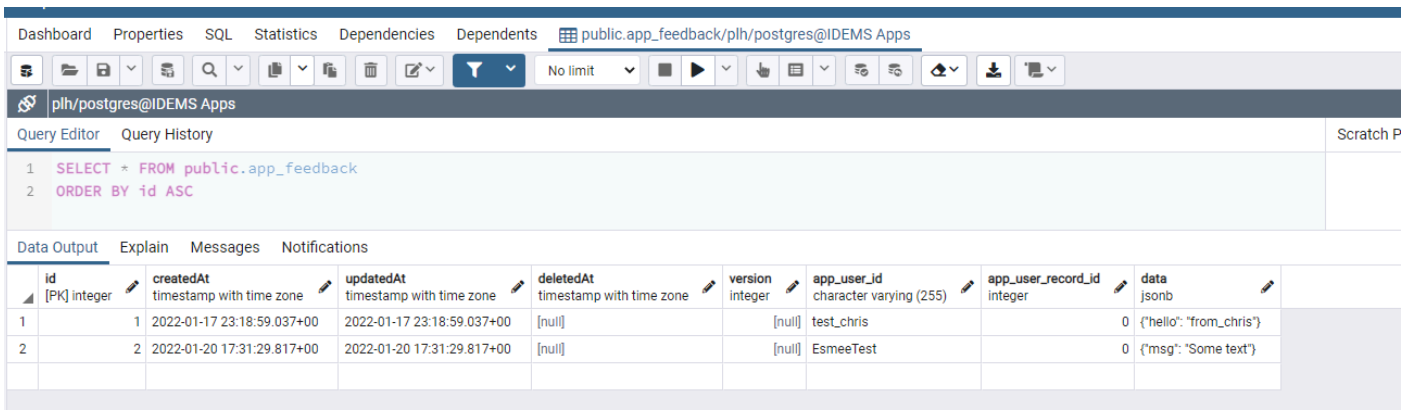


Viewing Data

Use the database dropdown to locate the table from within public schemas. Right click to view data



The relevant SQL query and data will be shown in a window



Advanced Queries

One of the main types of queries you might need to do would be to extract data that is nested in a json column. You can do this by combining **->>** and **->** operators

->> takes a value and reads it as a string
-> takes a value and reads it as json

So given a table with columns of json data

userId	data

555	{
	“status”: "approved",
	“transaction”: {
	"id": 222,
	"sku": "ABC"
	}
	}

In order to extract the transaction info, we could chain these operators together to extract different levels

```
select
    'userId',
    status -> 'data' ->> 'status'
    transaction_id -> 'data' -> 'transaction' ->> 'id'
from my_table;
```

This will output data in the format

userId	status	transaction_id
555	“approved”	222

Examples for additional syntaxes can be found below
https://www.wagonhq.com/sql-tutorial/values-from-nested-json/

Further Info

See full docs at: https://www.pgadmin.org/docs/pgadmin4/6.4/getting_started.html