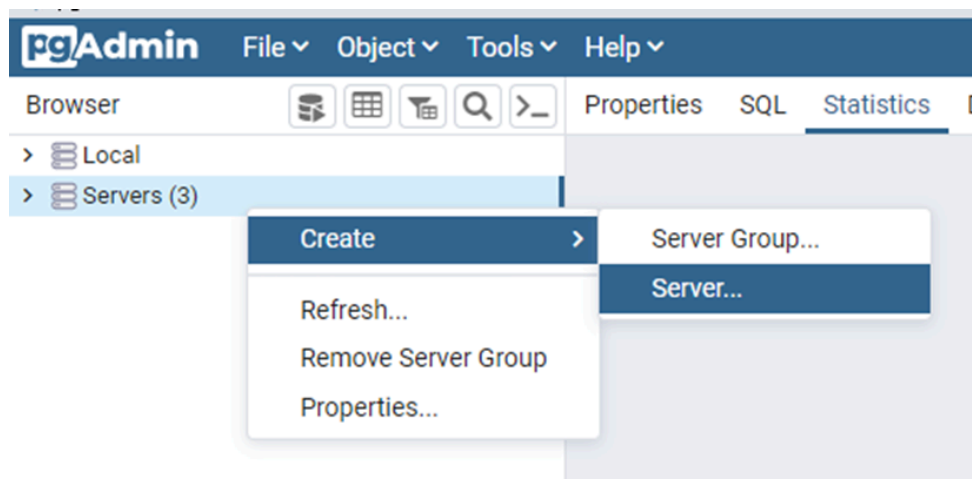


IDEMS App – DB User Management

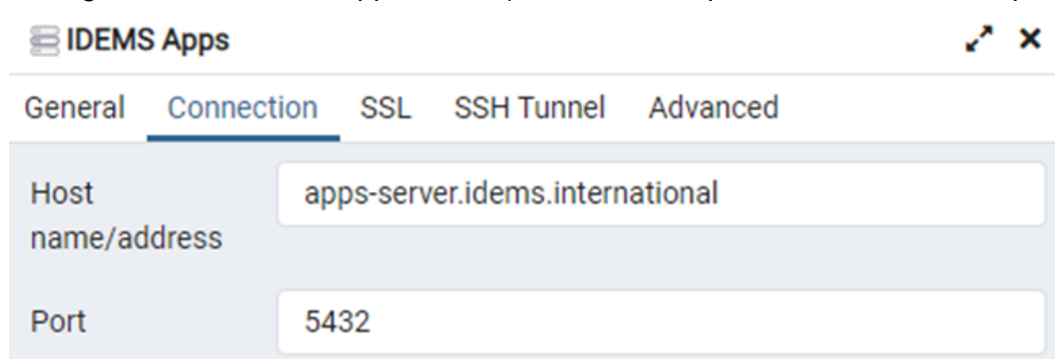
Initial Setup

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

Create a new server connection



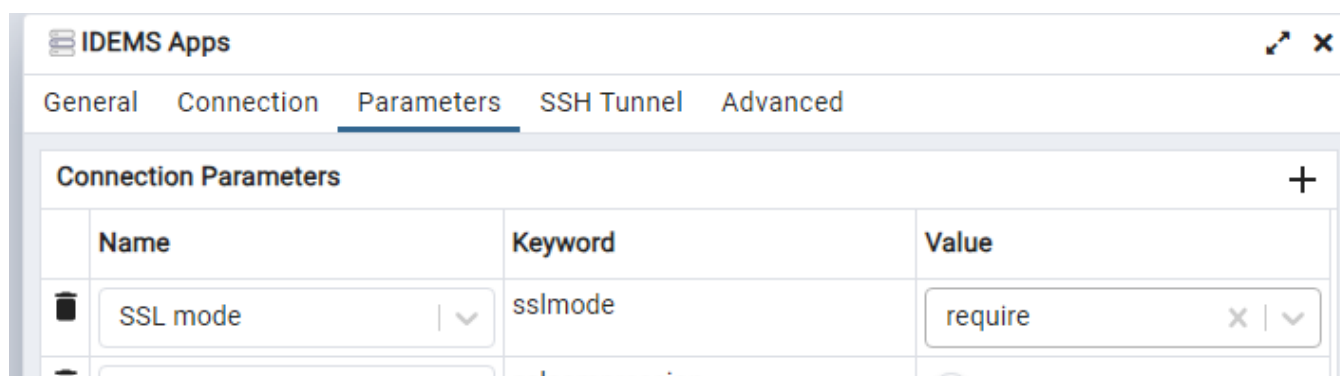
Configure connection for apps server (username and password should be requested from admin)



Host: apps-server.idems.international

Port: 5432

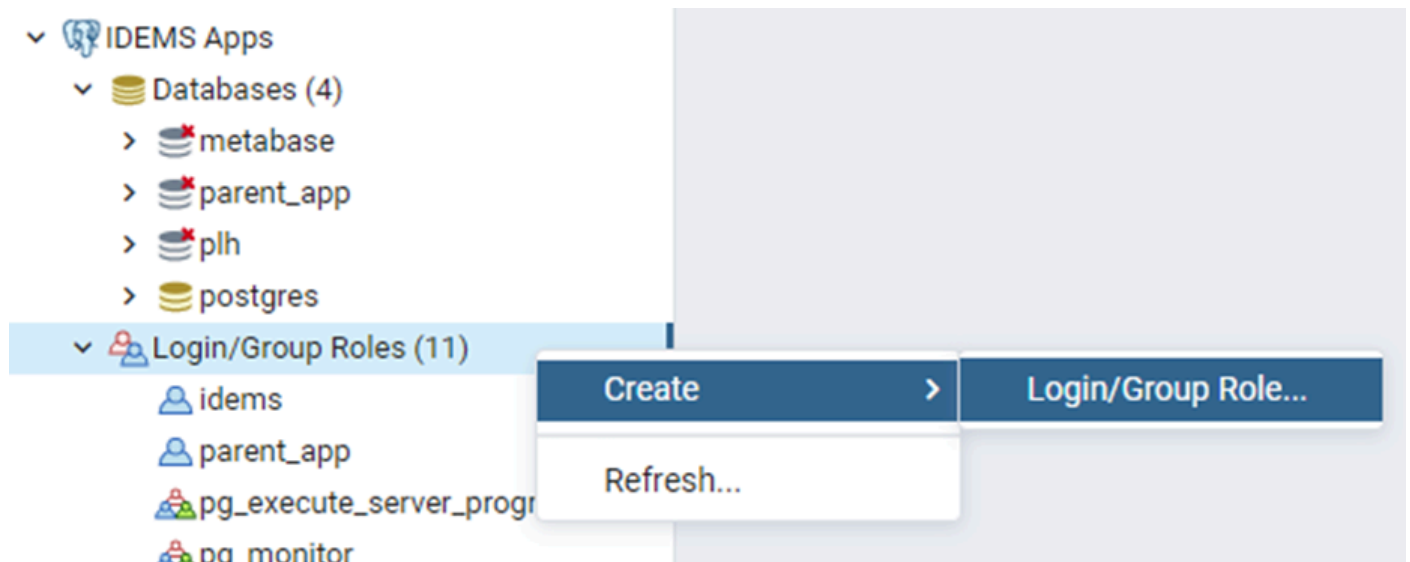
Set the “SSL mode” parameter to “require” on the parameters tab.



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

Create - Login/Group Role

General Definition Privileges Membership P...

Name

Create - Login/Group Role

General Definition Privileges Membersh...

Password

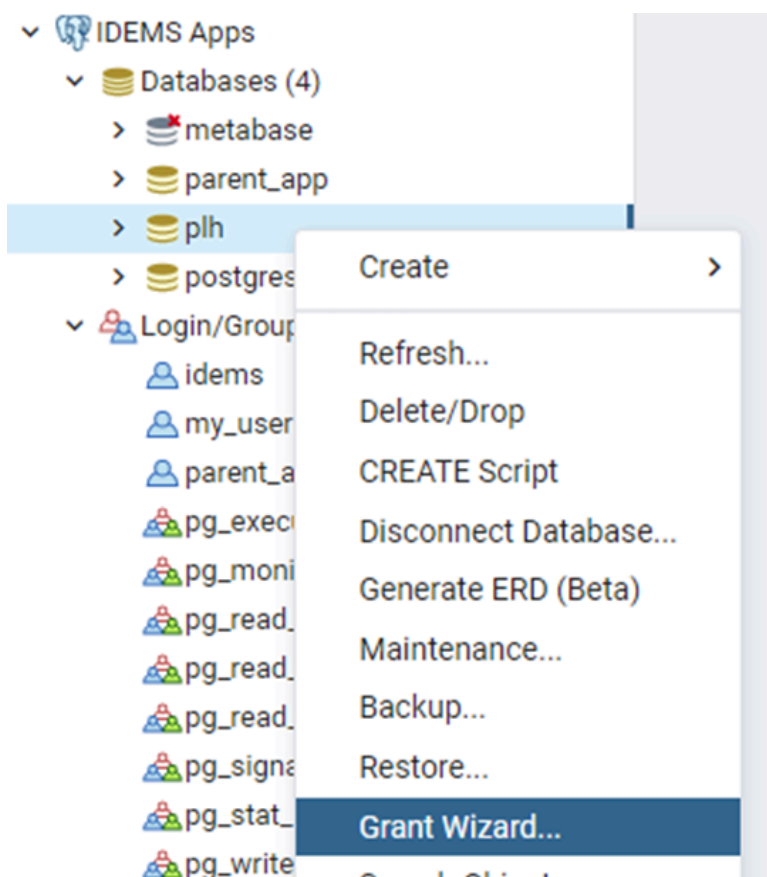
Create - Login/Group Role

General Definition Privileges Membership

Can login? ☒ Yes

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

Grant Wizard - Object Selection (step 1 of 3)

Please select the objects to grant privileges to from the list below.



<input type="checkbox"/>	Object Type	Schema	Name
<input type="checkbox"/>	1.3 Sequence	public	app_feedback_id_seq
<input type="checkbox"/>	1.3 Sequence	public	app_users_id_seq
<input type="checkbox"/>	1.3 Sequence	public	contact_fields_id_seq
<input type="checkbox"/>	Table	public	SequelizeMeta
<input checked="" type="checkbox"/>	Table	public	app_feedback
<input type="checkbox"/>	Table	public	app_users
<input type="checkbox"/>	Table	public	contact_fields

Please add the required privileges for the selected objects.

Privileges			+
	Grantee	Privileges	Grantor
	<div>Select an item... ▾</div>	<div></div>	<div> postgres ▾</div>

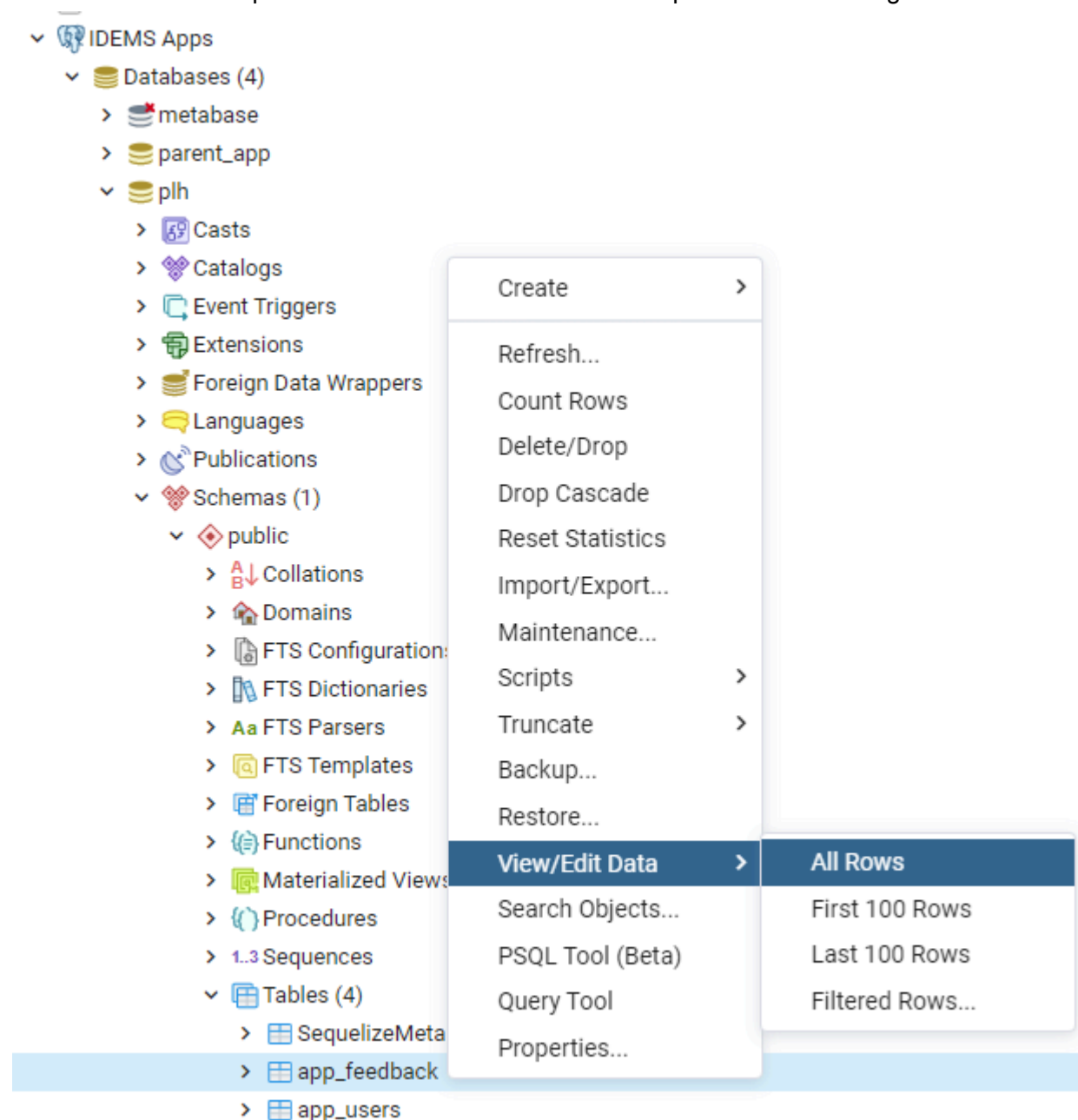
Use the + button to add new permissions, and dropdown to specify

Please add the required privileges for the selected objects.

Privileges				+
	Grantee	Privileges		Grantor
	<div> my_username ▾</div>	<div><div><input type="checkbox"/> ALL</div><div><input type="checkbox"/> INSERT</div><div><input checked="" type="checkbox"/> SELECT</div><div><input type="checkbox"/> UPDATE</div><div><input type="checkbox"/> DELETE</div><div><input type="checkbox"/> TRUNCATE</div><div><input type="checkbox"/> REFERENCES</div><div><input type="checkbox"/> TRIGGER</div></div> <div><div><input type="checkbox"/> WITH GRANT OPTION</div><div><input type="checkbox"/> WITH GRANT OPTION</div><div><input type="checkbox"/> WITH GRANT OPTION</div><div><input type="checkbox"/> WITH GRANT OPTION</div><div><input type="checkbox"/> WITH GRANT OPTION</div><div><input type="checkbox"/> WITH GRANT OPTION</div><div><input type="checkbox"/> WITH GRANT OPTION</div></div>		

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

Dashboard Properties SQL Statistics Dependencies Dependents public.app_feedback/plh/postgres@IDEMS Apps										
plh/postgres@IDEMS Apps										
Query Editor Query History Scratch P										
1 SELECT * FROM public.app_feedback										
2 ORDER BY id ASC										
Data Output Explain Messages Notifications										
id	createdAt	updatedAt	deletedAt	version	app_user_id	app_user_record_id	data			
[PK] integer	timestamp with time zone	timestamp with time zone	timestamp with time zone	integer	character varying (255)	integer	jsonb			
1	2022-01-17 23:18:59.037+00	2022-01-17 23:18:59.037+00	[null]	[null]	test_chris	0	{"hello": "from_chris"}			
2	2022-01-20 17:31:29.817+00	2022-01-20 17:31:29.817+00	[null]	[null]	EsmeeTest	0	{"msg": "Some text"}			

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