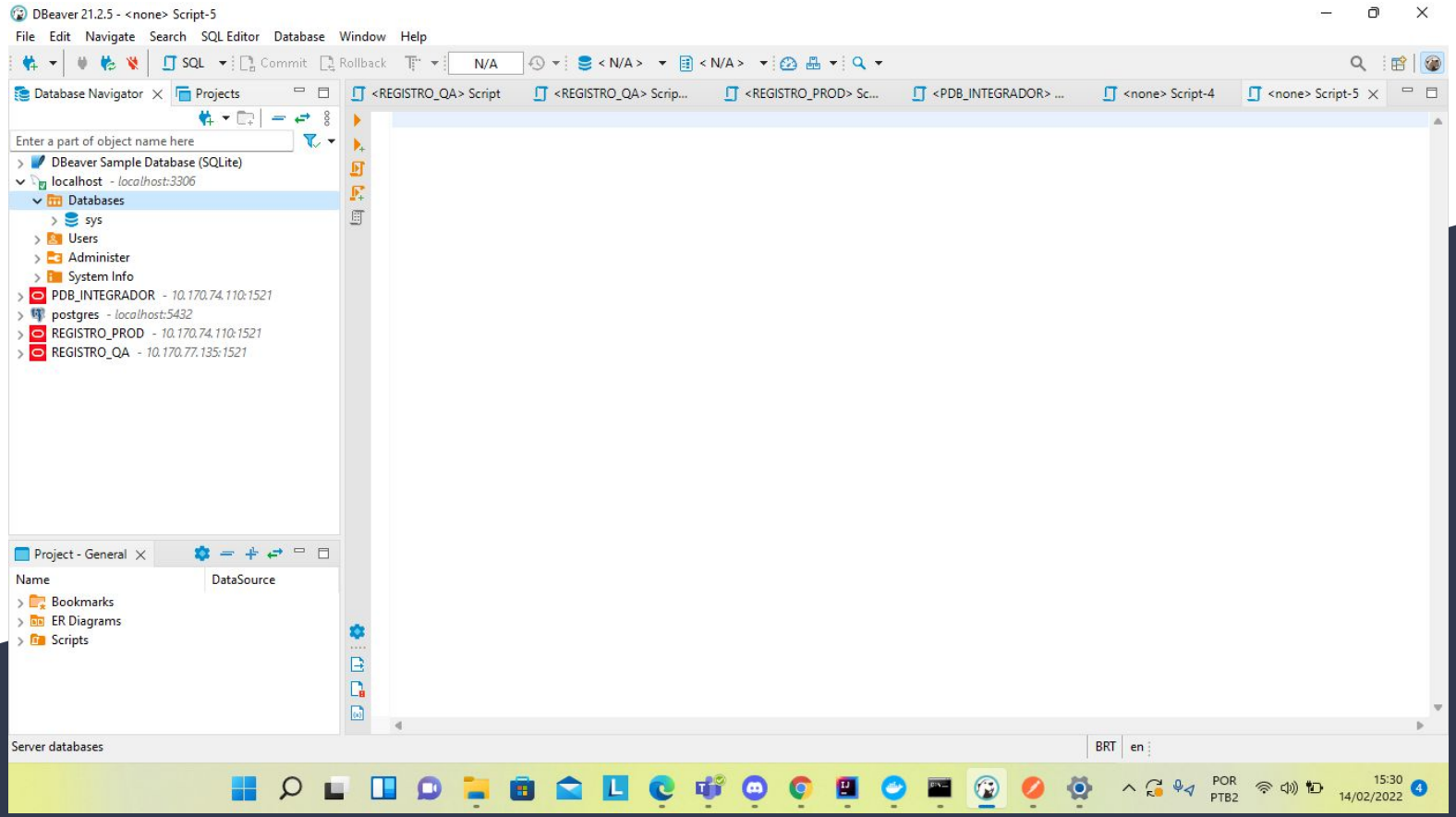
Starting app:

-- First of all, we have a file called docker-compose.yml, it files contains all infrastructure to run our app;

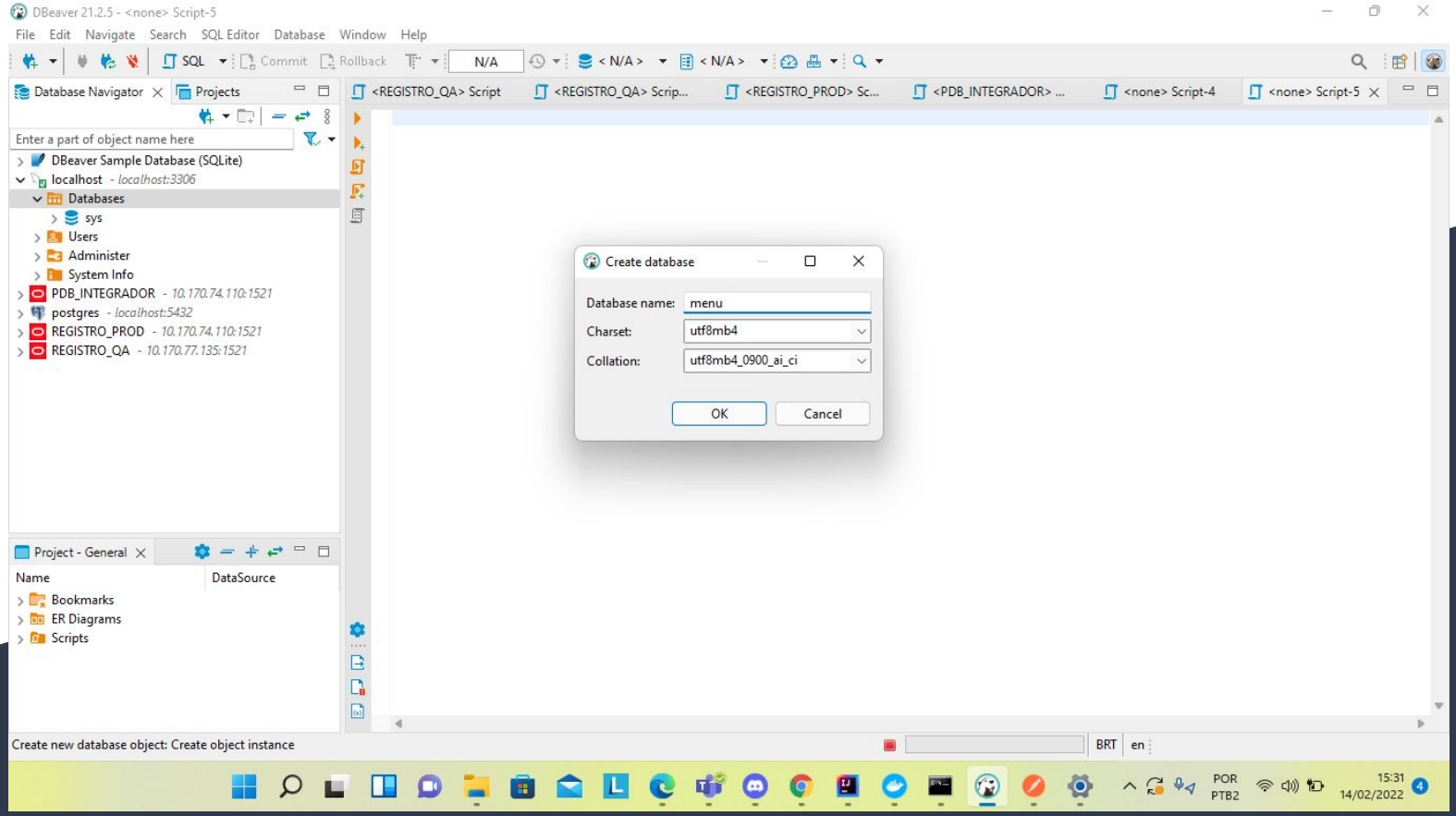
-- to run this file you just run docker-compose up in this file path, if you prefer running in detached way, it is easy, just use -d : docker-compose -d up;

After this first step is necessary to do some configuration in your database and in rabbit MQ, you can to see this configurations in nexts slides.

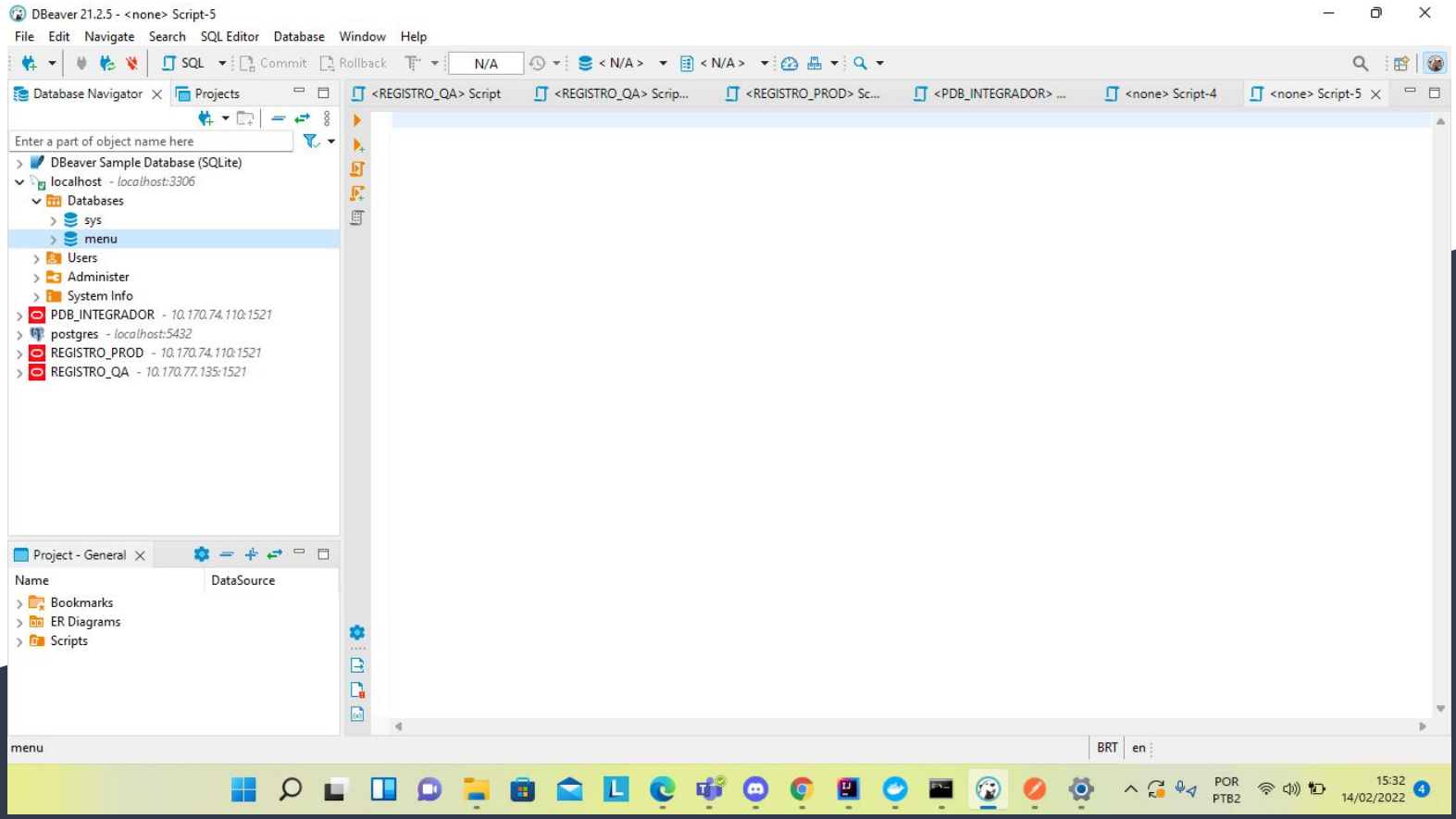
Configuring data base



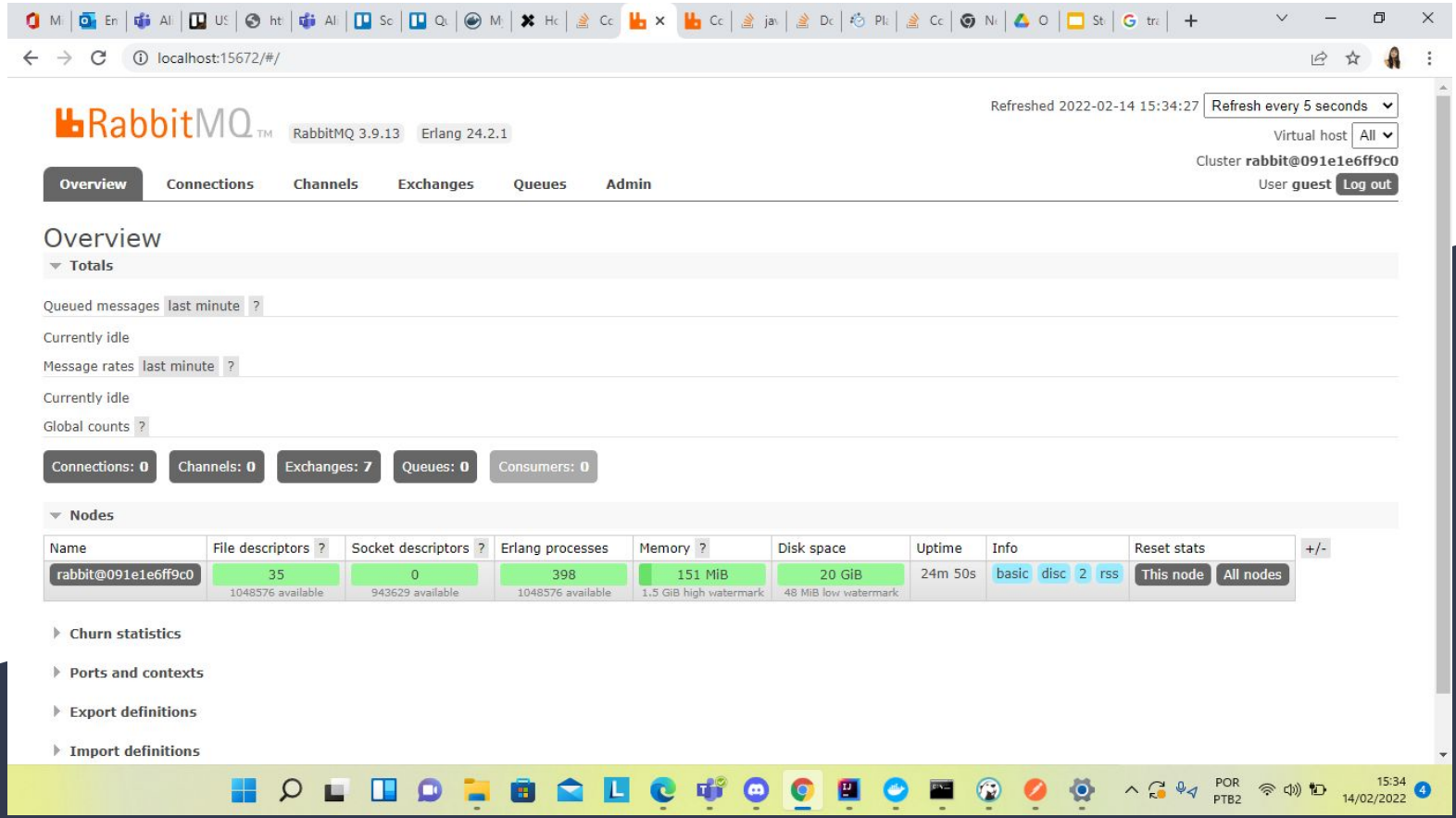
It is necessary to create a new database called menu



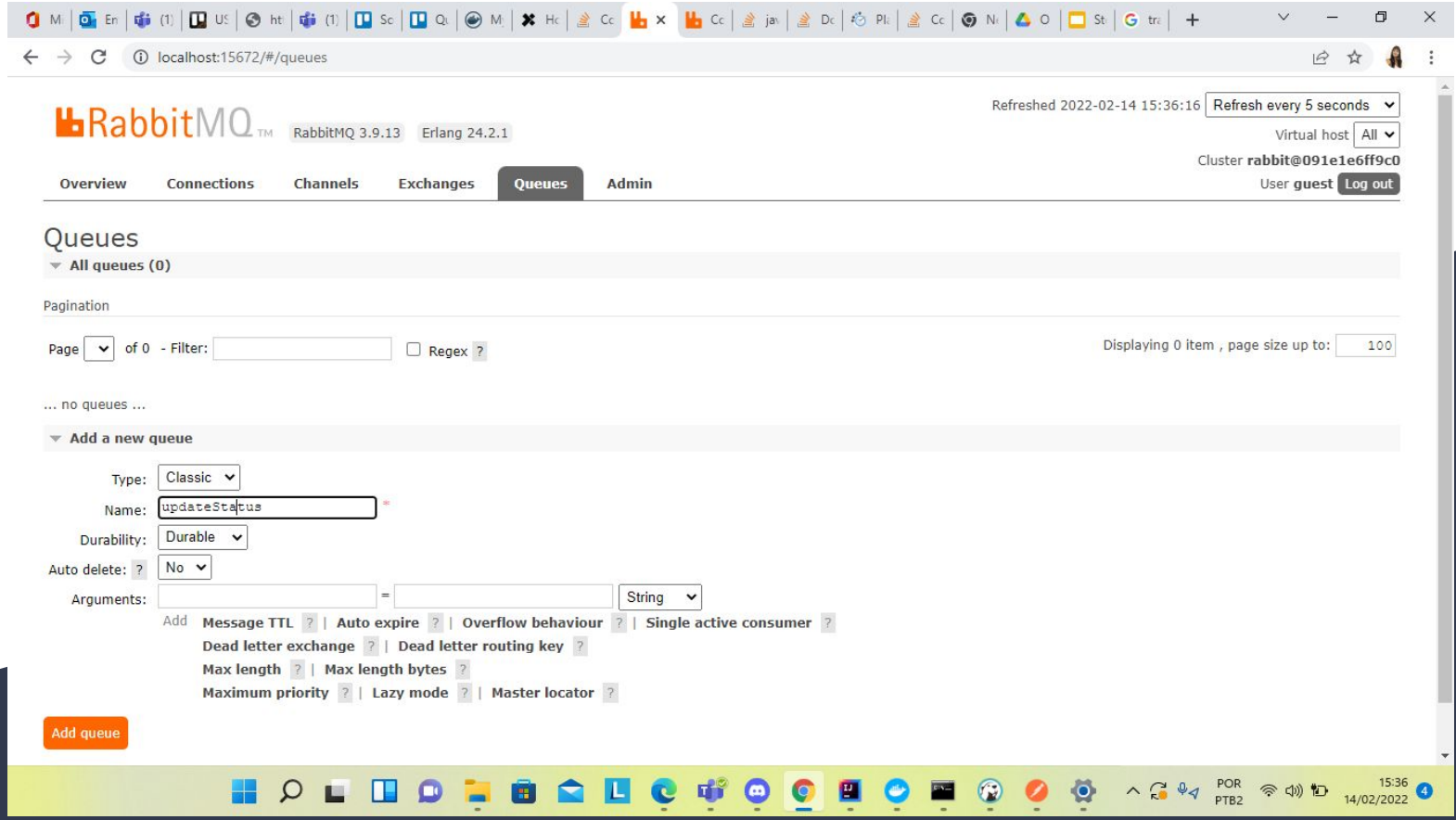
It is necessary to create a new database called menu



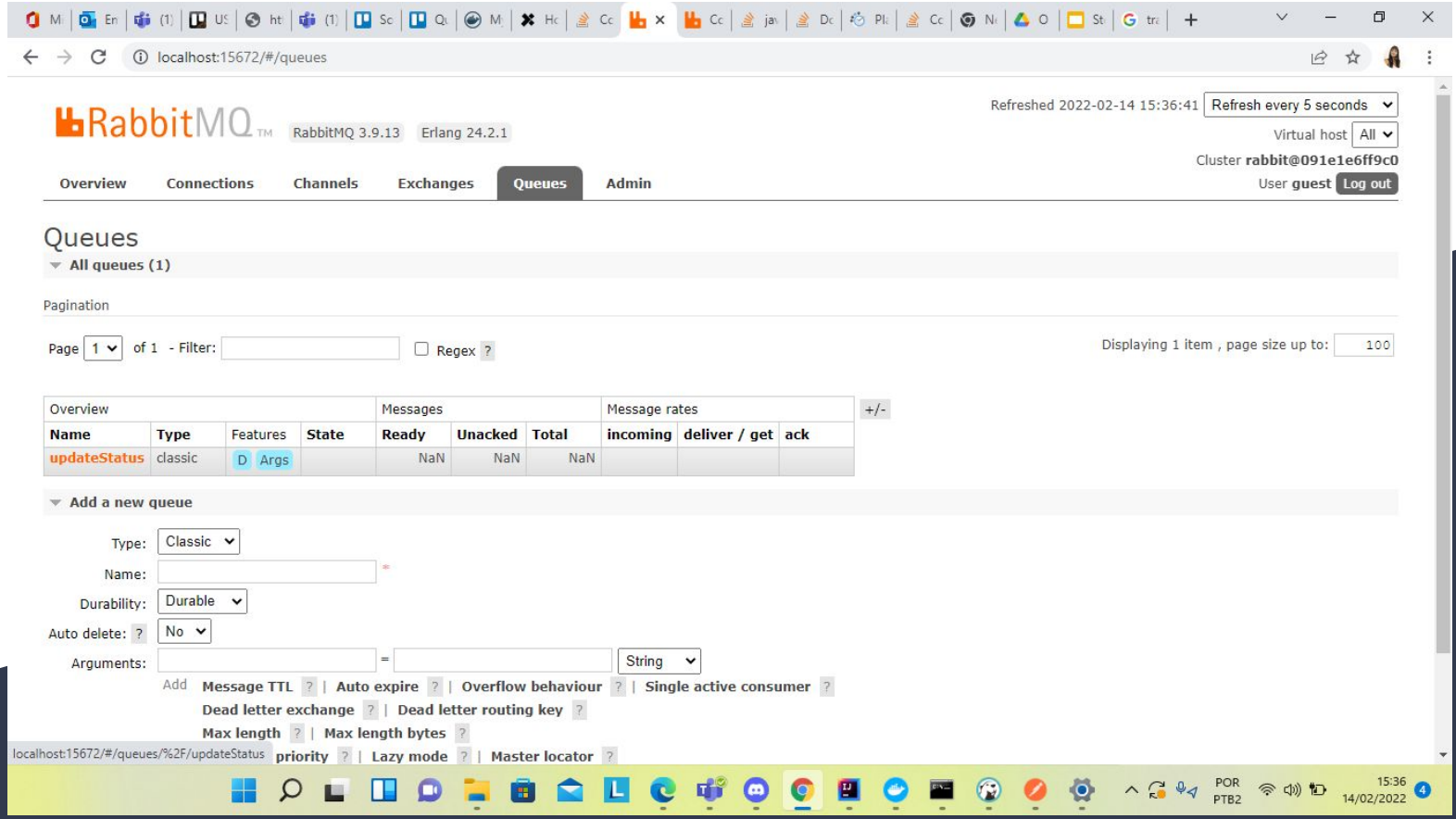
Configuring rabbit MQ



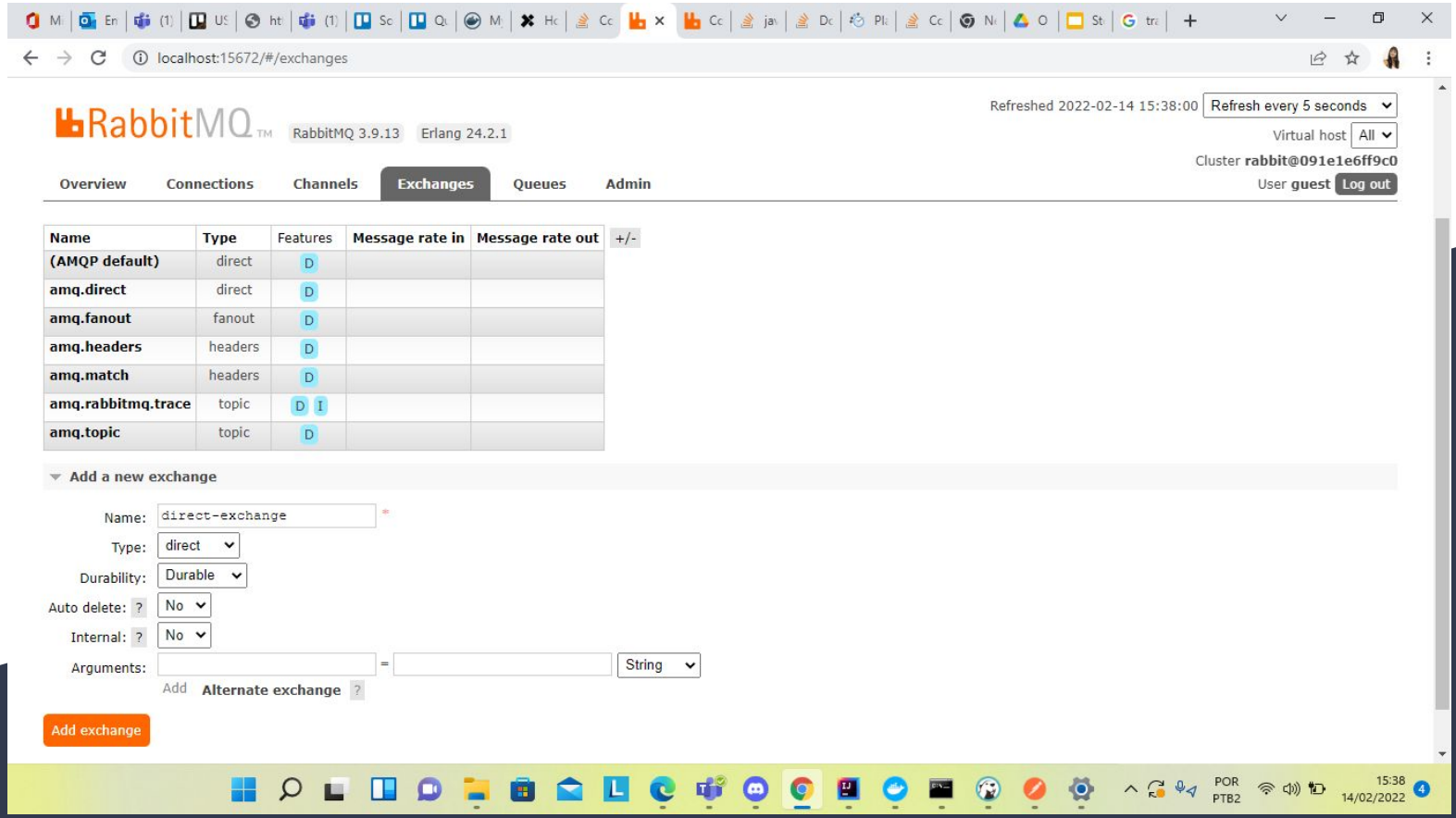
It is necessary to create a new queue with name updateStatus



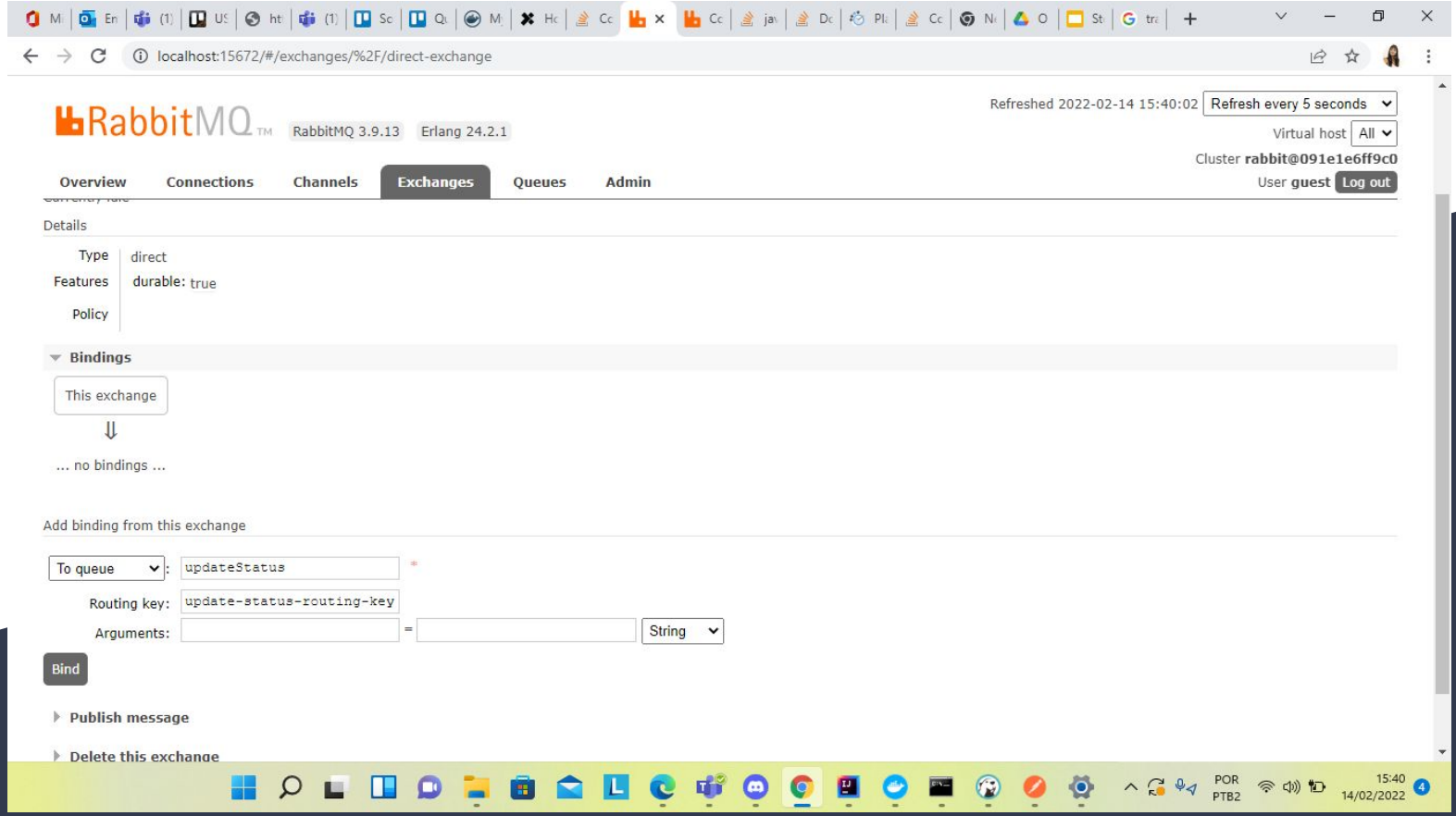
It is necessary to create a new queue with name updateStatus



It is necessary to create a new exchange called direct-exchange



It is necessary to do a bind between queue and exchange, use update-status-routing-key to routing key and updateStatus to queue



Testing app:

- Next step is to start our app;

And you can access on port **8079**

We have two endpoints in this app:

- http://localhost:8079/products:

It is a POST endpoint used to create new products;

http://localhost:8079/products/update-status/2

It is a PUT endpoint used to update product´s status:

- If your products is with ACTIVATE status a request to this endpoint will change products´s status to INACTIVE.

- If your products is with INACTIVE status a request to this endpoint will change products´s status to ACTIVE.

I will send a postman collection with this material.

Thanks for much for this opportunity, the next features will be:

- Modularization;
- Authentication;
- Unit tests;
- Swagger documentation;
- CD/CI with Jenkies;
- Kube files;
- Cloud deploy;