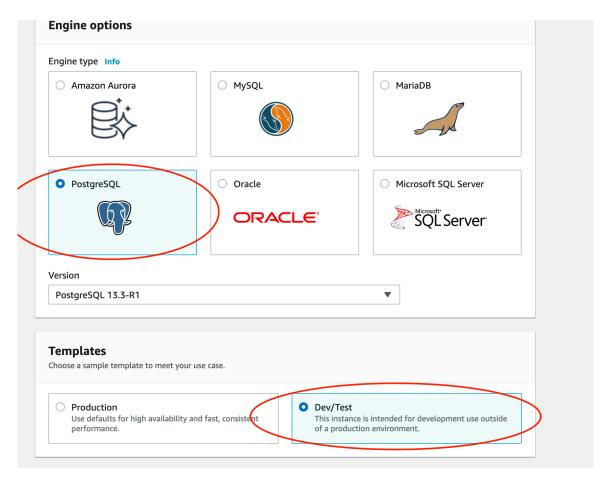
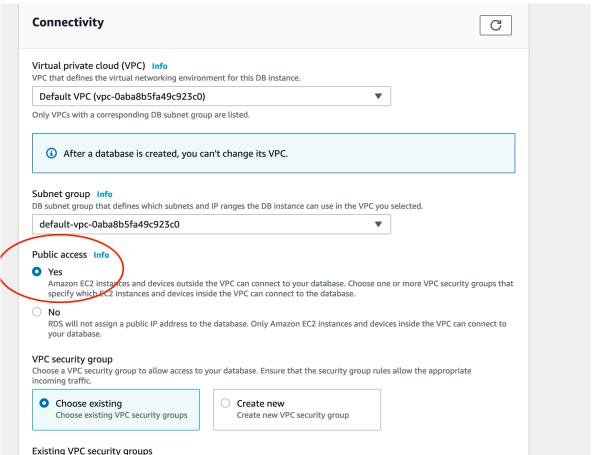
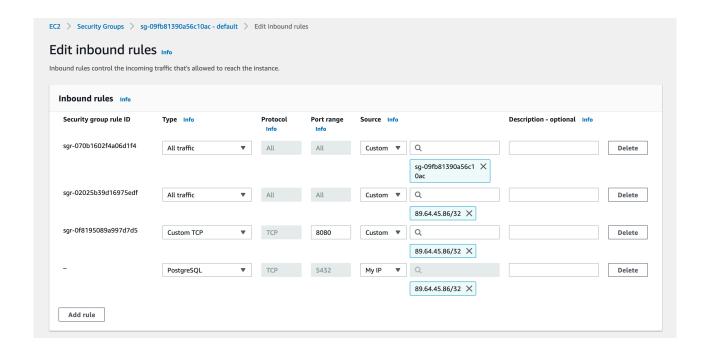
Project work (group) - 3TUs - RDS

1. Create RDS instance in AWS console. Select PostgreSQL as a type, and dev purposes. Remember to make it Publicity accessible.

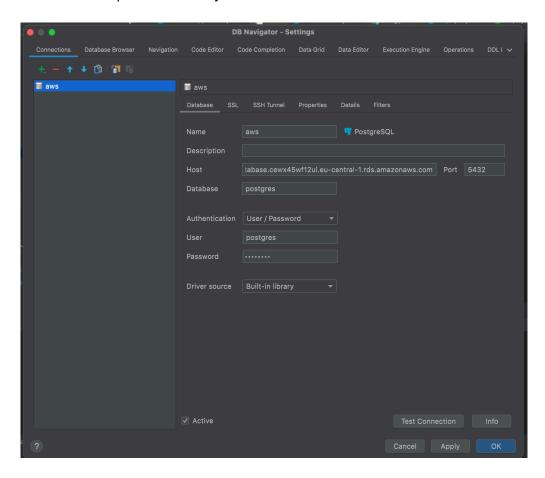




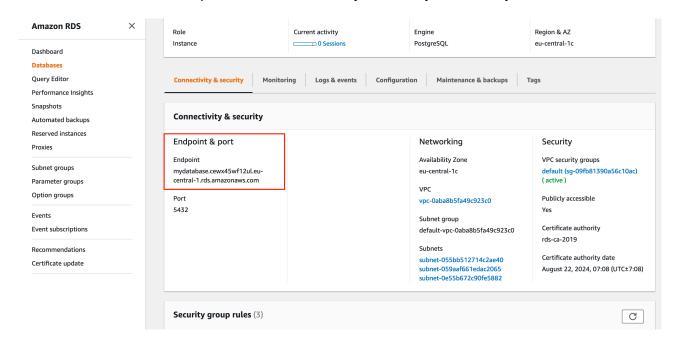
2. Modify your default Security Group to allow Inbound traffic of type PostgreSQL from IP of your computer.



2. Test instance connection via IntelliJ (DB Navigator) or another database client (e.g. DBeaver). Use the same username/password that you set in RDS creator.



You can find host as an endpoint under Connectivity & Security section of your RDS instance:



- 4. Modify your last project:
- Add dependencies: Spring Boot Data JPA and Postgresql
- Add in application.properties database related props:

spring.datasource.url=jdbc:postgresql://endpoint/postgres
spring.datasource.username=your_username
spring.datasource.password=your_password
spring.jpa.hibernate.ddl-auto=create-drop

your_username and your_password are the ones that you set when creating RDS instance endpoint - you can find it under Connectivity & Security section of your RDS instance (step above).

- Create entity: Employee with fields: id (long, use proper adnotation with strategy), name (string), role (string)
- Create **EmployeeRepository** by extending Spring **JpaRepository**
- Create rest endpoint and expose 2 methods: to add a new employee and to list existing employees

You can find example of a project in src folder.

- 5. Run your application locally and test exposed endpoints, use Postman to test POST method that creates a new employee
- 6. Upload your modified jar to EC2 using steps from the last projects
- 7. Test your new endpoints on EC2