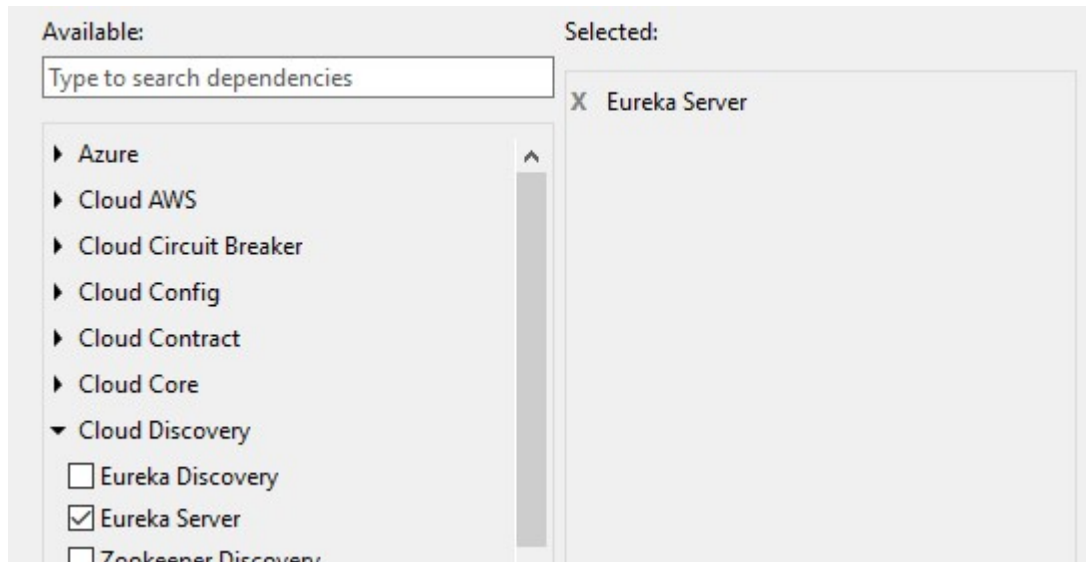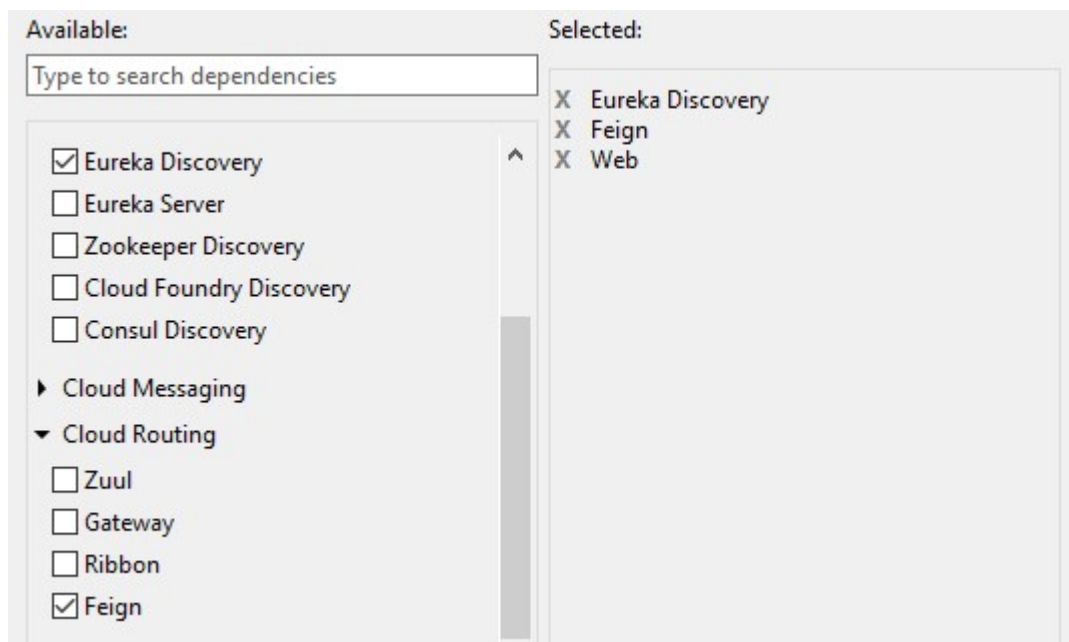# Lab 9

Exercise 1: Service registry with Eureka

First create a EurekaServer as explained in the slides.

This project needs the Eureka Server library:

Then create the CustomerService and the AccountService a given in the slides.

These services need the Eureka Discovery, Feign and Web library:
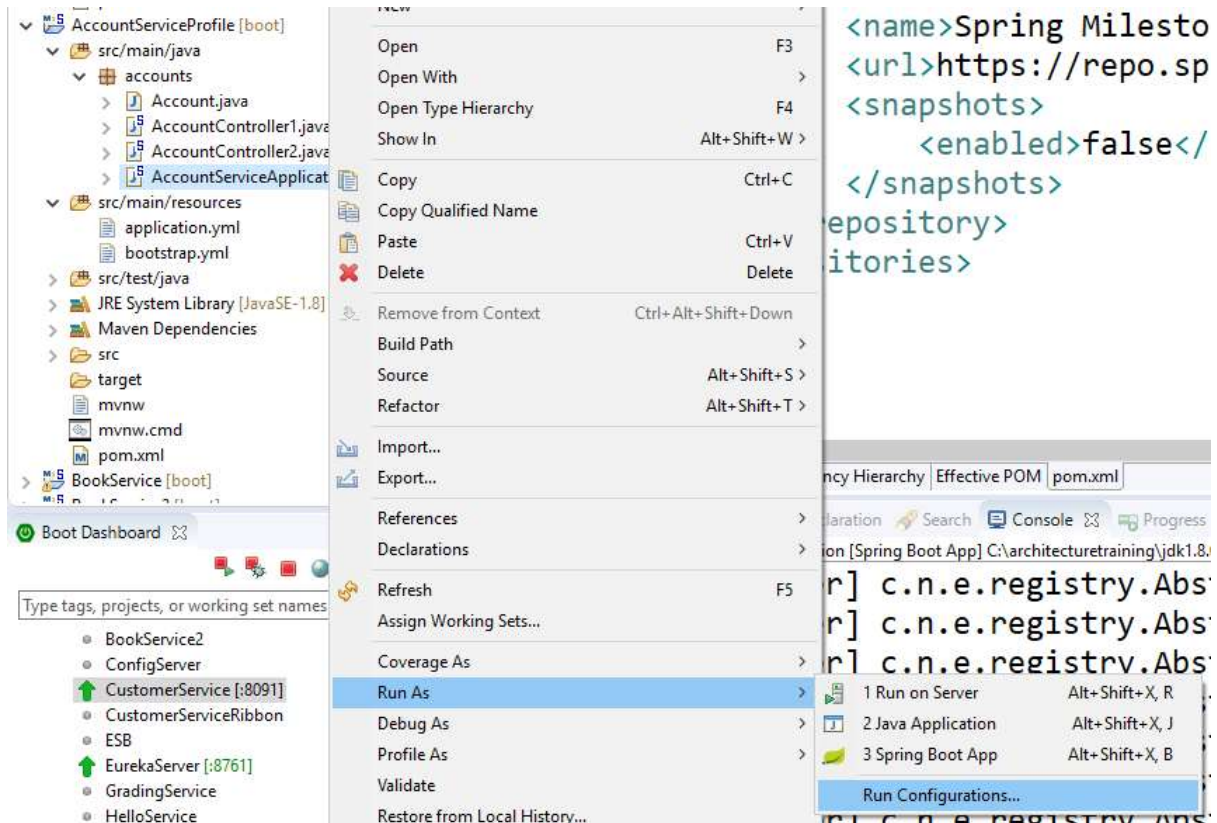

Let the CustomerService call the AccountService and see if it works correctly.
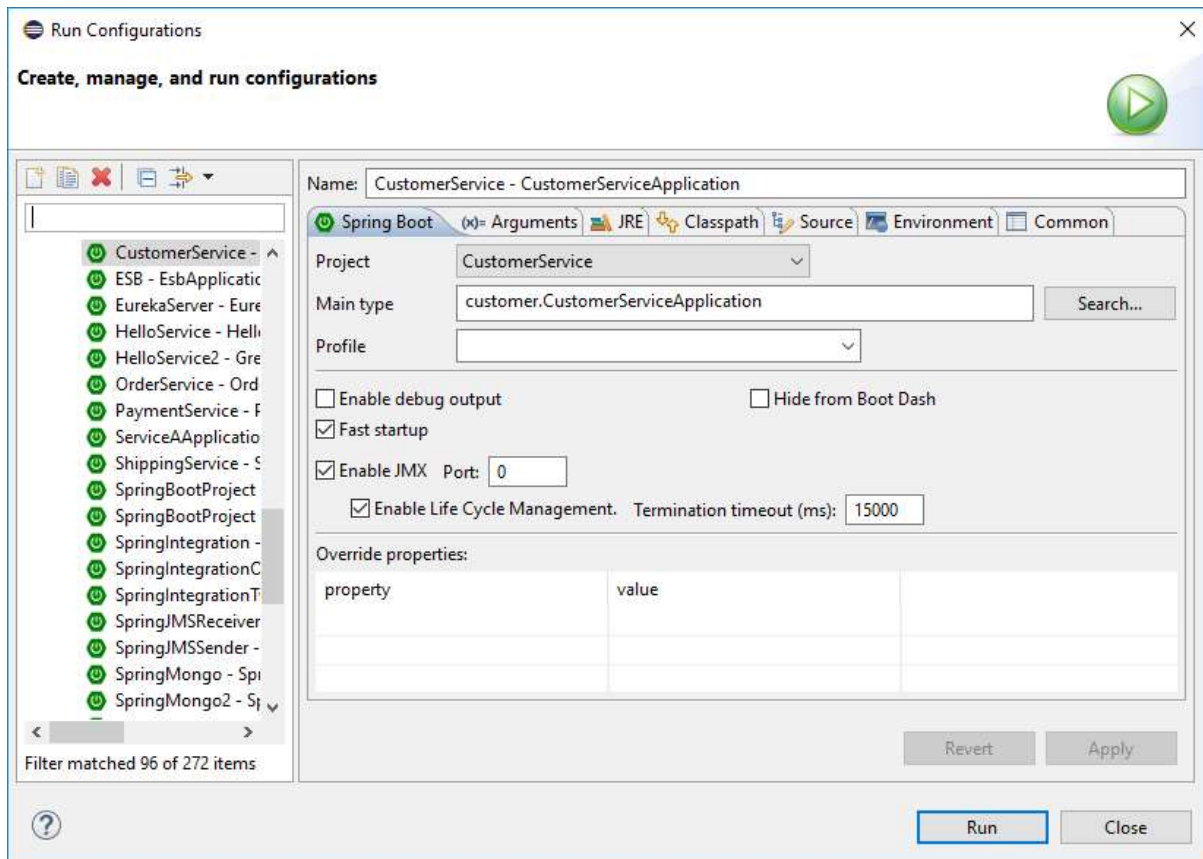
Exercise 2: Using Ribbon

Now modify the Application of Exercise 1 so that we get load balancing.
Use Profiles to start 2 instances of the AccountService.
Then run the AccountService in Eclipse by right-clicking the
AccountServiceApplication.java and selecting **Run As-> Run Configuration**

Then provide the correct profile and add the post number as a property.

Then start a second instance of AccountService on another port.
Check in Eureka that 2 instances of AccountService are running.

Then modify the CustomerService so that it uses the Ribbon load balancer.

Call the CustomerService a few times, and notice that the 2 instances of AccountService are called using the round robin algoritm.

Now stop one service instance of the AccountService and see what happens.

Exercise 3:

Apply Eureka and Ribbon to our webshop created in Lab 8