

Discovering and Load Balancing FastPass Console

1. Import **demo-eureka-fastpass-console** application as Maven Project

2. Add eureka-starter dependency

```
<dependency>
  <groupId>org.springframework.cloud</groupId>
  <artifactId>spring-cloud-starter-eureka</artifactId>
  <version>1.4.5.RELEASE</version>
</dependency>
```

3. Create bootstrap.properties

bootstrap.properties

```
spring.application.name = demo-fastpass-console
```

4. **application.properties**

```
server.port = 8082

# eureka.client.serviceUrl.defaultZone = http://localhost:8761/
eureka
eureka.client.register-with-eureka = true
eureka.client.fetch-registry = true
eureka.client.healthcheck.enabled=true
```

5. Add EurekaClient annotation for the Main Application

DemoEurekaFastpassConsoleApplication.java

```
@EnableEurekaClient
@SpringBootApplication
public class DemoEurekaFastpassConsoleApplication {
```

6. Add a RestTemplate for getting the interceptors to perform Load balancing

FastPassController.java

```
@Autowired
    private RestTemplate restTemplate;

    @LoadBalanced
    @Bean
    public RestTemplate restTemplate(RestTemplateBuilder
builder) {
        return builder.build();
    }
```

Also change the following:

- RestTemplate object in /customerdetails API method
- Name of the toll service rather than localhost:8085

Line #37 (as per my file here)

The old line is commented in # 35 (as per my file here)

DashboardController.java

```
31     public String getFastPassCustomerDetails(@RequestParam String fastpassid, Model m) {
32
33         RestTemplate rest = new RestTemplate();
34         // FastPassCustomer c =
35         // rest.getForObject("http://localhost:8086/fastpass?fastpassid=" + fastpassid,
36         // FastPassCustomer.class);
37         FastPassCustomer c = rest.getForObject("http://demo-fastpass-service/fastpass?fastpassid=" + fastpassid,
38         FastPassCustomer.class);
39     }
```

7. Start **demo-eureka-server** App (if not started)

8. Start **demo-eureka-fastpass-service** App

9. Start **demo-eureka-fastpass-console** App

10. OUTPUT

Visit ***http://localhost:8082/customerdetails?fastpassid=100***



