

# Adding Custom Health check to Eureka Registered Microservice

1. Open **demo-eureka-tollrate-service** project
2. Add a class called as CustomHealthCheck

## CustomerHealthCheck.java

```
package eureka.demo.util;

import org.springframework.boot.actuate.health.Health;
import org.springframework.boot.actuate.health.HealthIndicator;
import org.springframework.stereotype.Component;

@Component
public class CustomHealthCheck implements HealthIndicator {

    int errorCode = 0;

    @Override
    public Health health() {

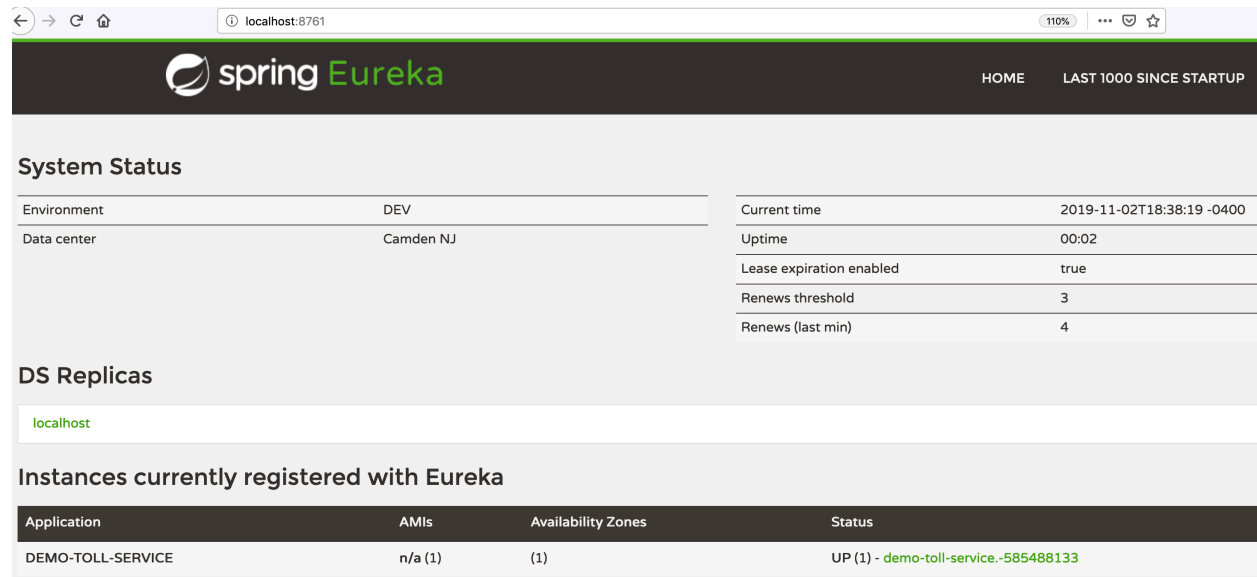
        System.out.println("Health check performed! Error Code is: " + errorCode);

        if (errorCode > 4 && errorCode < 8) {
            errorCode++;
            return Health.down().withDetail("Custom Error Code", errorCode).build();
        }

        errorCode++;
        return Health.up().build();
    }
}
```

### 3. Start Eureka Server

### 4. Start Tollrate Service



The screenshot shows the Spring Eureka web interface in a browser. The address bar shows 'localhost:8761'. The page has a dark header with the 'spring Eureka' logo and navigation links for 'HOME' and 'LAST 1000 SINCE STARTUP'.

#### System Status

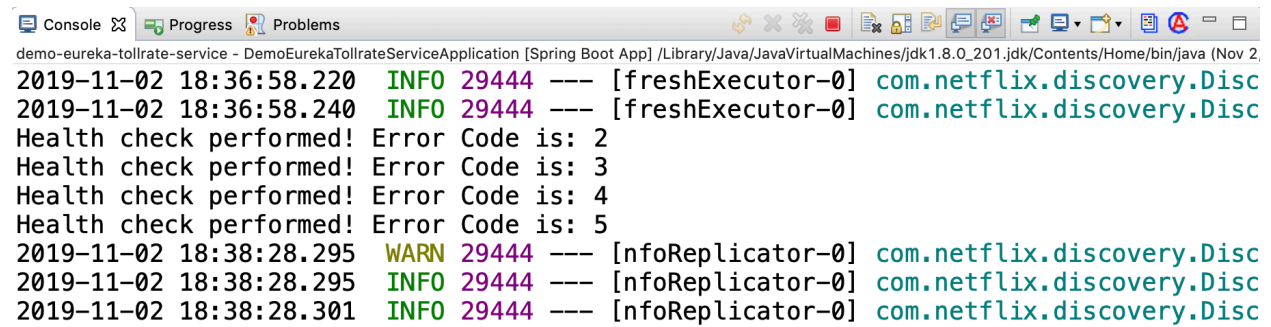
Environment	DEV	Current time	2019-11-02T18:38:19 -0400
Data center	Camden NJ	Uptime	00:02
		Lease expiration enabled	true
		Renews threshold	3
		Renews (last min)	4

#### DS Replicas

localhost

#### Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
DEMO-TOLL-SERVICE	n/a (1)	(1)	UP (1) - demo-toll-service.-585488133



The screenshot shows the console output of a Java application. The title bar indicates the application is 'demo-eureka-tollrate-service - DemoEurekaTollrateServiceApplication [Spring Boot App]'. The logs show the application starting and performing health checks.

```
demo-eureka-tollrate-service - DemoEurekaTollrateServiceApplication [Spring Boot App] /Library/Java/JavaVirtualMachines/jdk1.8.0_201.jdk/Contents/Home/bin/java (Nov 2, 2019-11-02 18:36:58.220 INFO 29444 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient:
2019-11-02 18:36:58.240 INFO 29444 --- [freshExecutor-0] com.netflix.discovery.DiscoveryClient:
Health check performed! Error Code is: 2
Health check performed! Error Code is: 3
Health check performed! Error Code is: 4
Health check performed! Error Code is: 5
2019-11-02 18:38:28.295 WARN 29444 --- [infoReplicator-0] com.netflix.discovery.DiscoveryClient:
2019-11-02 18:38:28.295 INFO 29444 --- [infoReplicator-0] com.netflix.discovery.DiscoveryClient:
2019-11-02 18:38:28.301 INFO 29444 --- [infoReplicator-0] com.netflix.discovery.DiscoveryClient:
```

Console

Progress

Problems

localhost

### DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
DEMO-TOLL-SERVICE	n/a (1)	(1)	UP (1) - demo-toll-service.-585488133

```

2019-11-02 18:39:28.309 INFO 29444 --- [InfoReplicator-0] com.netflix.discovery.DiscoveryClient
2019-11-02 18:39:28.315 INFO 29444 --- [InfoReplicator-0] com.netflix.discovery.DiscoveryClient
Health check performed! Error Code is: 9
Health check performed! Error Code is: 10
  
```

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
DEMO-TOLL-SERVICE	n/a (1)	(1)	DOWN (1) - demo-toll-service.-585488133

5. You can try this with multiple instances of Tollrate Service





