

Creating Eureka Service

To implement the Eureka service in a Spring Boot Application, you can follow these steps:

Step 1: Project creation

- Go to Spring initializer and create a project. Include two dependencies
 - “Spring Web”
 - “Eureka Server”

Step 2: Setting up the Service

In the application.yml file, you have to configure the following properties:

- Server port
- Configure *service URL*
- Set *SSL*, *fetchRegistry* and *register-with-eureka* to false (so it doesn't register itself with Eureka)

For example: Here is a yml configuration of a eureka service with port 8085

```
server:
  port: 8087

eureka:
  service-url:
    defaultZone: http://localhost:8085/eureka/
```

Eureka Server Annotation

```
@EnableEurekaServer
public class EurekaserverApplication {

    public static void main(String[] args) {
        SpringApplication.run(EurekaserverApplication.class, args);
    }

}
```

Step 3: Registering other services with Eureka Service

In the application.yml file of your user Service, E-commerce service and Notification service, you have to configure the following property:

- Set Eureka client serviceUrl

For example: Here is the yml configuration of a service we must register with Eureka Service, as shown in the above example.

```
eureka:
  client:
    serviceUrl:
      defaultZone: ${EUREKA_URI:http://localhost:8087/eureka} // our Eureka service url
```

Eureka Client Annotation

```
@EnableEurekaClient
public class EcommerceappApplication {

    public static void main(String[] args) {
        SpringApplication.run(EcommerceappApplication.class, args);
    }
}
```

Thats it! You have created Eureka Service. Whenever any service is started, it will be registered with the Eureka service and visible on the Eureka service port.