Task:

1. Create one eureka server application 8761
2. Create few microservices
   1. Customer api 8383
   2. Product api 8384
   3. Sales api 8385
3. All these apis must define their eureka server at 8761

Steps for eureka:

<dependency>

<groupId>org.springframework.cloud</groupId>

<artifactId>spring-cloud-starter-netflix-eureka-server</artifactId>

</dependency>

Steps for creating Eureka Server application:

1) create a spring boot starter application and choose "Eureka Server" in dependencies

2) In application class where main method is there

below @SpringBootApplication, add the following annotation

@EnableEurekaServer

3) in application.properties file, add the following:

eureka.client.registerWithEureka = false

eureka.client.fetchRegistry = false

server.port = 8761

4) update project and run as spring boot application

5) check localhost:8761

------------------

Steps for creating Eureka Client application:

1) create a spring boot starter application and choose "Eureka Discovery Clinet" and "Spring Web" in dependencies

the following dependencies will be added to pom.xml automatically:

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.cloud</groupId>

<artifactId>spring-cloud-starter-netflix-eureka-client</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-tomcat</artifactId>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

2) In application (main) class add the below dependencies:

@SpringBootApplication

@EnableEurekaClient

3) define @RestController with request mappings

@SpringBootApplication

@EnableEurekaClient

@RestController

public class EurekaClient1Application {

public static void main(String[] args) {

SpringApplication.run(EurekaClient1Application.class, args);

}

@GetMapping("/")

public String home()

{

return "Jag welcomes you to eureka client application";

}

}

4) application.properties

server.port=8383

spring.application.name=account-service

eureka.instance.hostname=localhost

eureka.client.serviceUrl.defaultZone=http://${eureka.instance.hostname}:8761/eureka/

server.context-path=/account

5) check localhost:8383

6) In Rest controller class,

@Autowired

EurekaClient eurekaClient;

and create a method

@GetMapping("/applications")

public Applications getApplications()

{

return eurekaClient.getApplications();

}

7) restart the app and check

localhost:8383/applications

we get the meta data of the information about our instances

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-actuator</artifactId>

</dependency>