**Microservices with Spring Boot 3 and Spring Cloud**

**CREATE EUREKA DISCOVERY SERVER AND REGISTER**

Eureka-discovery-server/src/main/java/com/cognizant/eurekaDiscoveryApplicatio.java

EurekaDiscoveryApplication.java

package com.cognizant;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.cloud.netflix.eureka.server.EnableEurekaServer;

@SpringBootApplication

@EnableEurekaServer

public class EurekaDiscoveryServerApplication {

    public static void main(String[] args) {

        SpringApplication.run(EurekaDiscoveryServerApplication.class, args);

    }

}

Eureka-discovery-server/src/main/resource/application.properties

Application.properties:

server.port=8761

eureka.client.register-with-eureka=false

eureka.client.fetch-registry=false

logging.level.com.netflix.eureka=OFF

logging.level.com.netflix.discovery=OFF

**MICRO SERVICE**

Account-service/src/main/java/com/cognizant/account/AccountServiceApplication

package com.cognizant.account;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.cloud.client.discovery.EnableDiscoveryClient;

@SpringBootApplication

@EnableDiscoveryClient

public class AccountServiceApplication {

    public static void main(String[] args) {

        SpringApplication.run(AccountServiceApplication.class, args);

    }

}

Account-service/src/main/java/com/cognizant/account/controller/accountcontroller

package com.cognizant.account.controller;

import org.springframework.web.bind.annotation.\*;

import java.util.Map;

@RestController

@RequestMapping("/accounts")

public class AccountController {

    @GetMapping("/{number}")

    public Map<String, Object> getAccount(@PathVariable String number) {

        return Map.of(

            "number", number,

            "type", "savings",

            "balance", 234343

        );

    }

}

Account-service/src/main/resources/application

server.port=8080

spring.application.name=account-service

eureka.client.serviceUrl.defaultZone=http://localhost:8761/eureka

loan-service/src/main/java/com/cognizant/loan/loanServiceApplication

package com.cognizant.loan;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.cloud.client.discovery.EnableDiscoveryClient;

@SpringBootApplication

@EnableDiscoveryClient

public class LoanServiceApplication {

    public static void main(String[] args) {

        SpringApplication.run(LoanServiceApplication.class, args);

    }

}

loan-service/src/main/resource/application.properties

server.port=8081

spring.application.name=loan-service

eureka.client.serviceUrl.defaultZone=http://localhost:8761/eureka