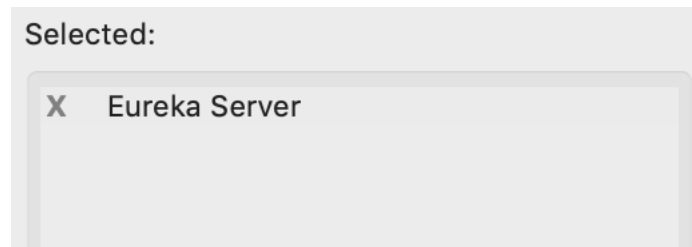


Microservice

Spring Cloud, Spring Boot ve Eureka Server

Eureka Server

Pom.xml
spring-cloud-starter-netflix-eureka-server



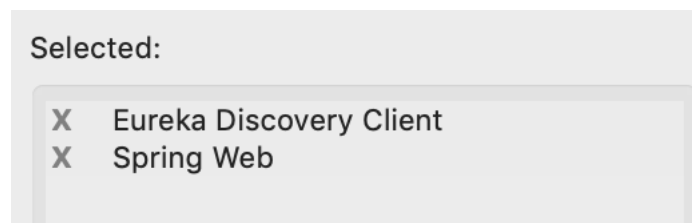
```
application.properties
server.port=9999
eureka.instance.hostname=localhost
eureka.client.registerWithEureka=false
eureka.client.fetchRegistry=false
```

```
@SpringBootApplication
@EnableEurekaServer
public class Application {
```

Server Connect: http://localhost:9999

Product Server

Pom.xml
spring-boot-starter-web
spring-cloud-starter-netflix-eureka-client



```
public class Product {
    private String title;
```

```
private String price;
```

```
@RestController
public class ProductController {

    @GetMapping("/list")
    public Map<String, Object> getAllProduct() {

        Map<String, Object> hm = new HashMap<String, Object>();
        List<Movie> ls = new ArrayList<Movie>();
        ls.add(new Movie("Buzdolabi", "2000"));
        ls.add(new Movie("Televizyon", "300"));
        hm.put("ls", ls);
        return hm;
    }
}
```

```
@SpringBootApplication
@EnableDiscoveryClient
public class ProductServerApplication {
```

```
application.properties
server.port=9011
eureka.client.serviceUrl.defaultZone=http://localhost:9999/eureka/
```

```
bootstrap.properties
spring.application.name=Product-Service
```

Product Client

```
Pom.xml
spring-boot-starter-web
spring-cloud-starter-netflix-eureka-client
com.google.code.gson
```

Selected:

- X Spring Boot DevTools
- X Eureka Discovery Client
- X Spring Web

```
@SpringBootApplication
@EnableDiscoveryClient
public class ProductServerApplication {
```

```
    @Autowired
    private DiscoveryClient discoveryClient;

    @GetMapping("/")
    public Map<String, Object> handleRequest(Model model) {

        List<ServiceInstance> instances =
discoveryClient.getInstances("Product-Service");
        if (instances != null && !instances.isEmpty()) {
            ServiceInstance serviceInstance = instances.get(0);
            String url = serviceInstance.getUri().toString();
            url = url + "/list";
            System.out.println("url : " + url);
            RestTemplate restTemplate = new RestTemplate();
            String result = restTemplate.getForObject(url,
String.class);
            System.out.println("Gelen Yanıt : " + result);

            Gson gs = new Gson();
            DataMovie prl = gs.fromJson(result, DataMovie.class);
            prl.getMovies().forEach(item -> {
                System.out.println("item : " + item.getName());
            });

            //model.addAttribute("result", result);
        }

        return new HashMap<String, Object>();
    }
}
```

```
application.properties
server.port=9010
eureka.client.serviceUrl.defaultZone=http://localhost:9999/eureka/

bootstrap.properties
spring.application.name=Movie-Client-Service
```