

Service Discovery and Service Registration (using Eureka)

Eureka Server Dependencies

- Eureka Server
- Config Client
- Actuator

Steps to enable Eureka Server

1. Add @EnableEurekaServer in SpringBoot Application
2. Add following properties in Eureka Server application.yml file –

```
spring.application.name = "eurekaserver"

spring.config.import = "optional:configserver:http://localhost:8071/"

management.endpoints.web.exposure.include = "*"

management.health.readiness-state = true

management.health.liveness-state = true

management.endpoint.health.probes.enabled = true
```

3. Rest All other properties will be picked from config server github repo –

```
server.port = 8070

eureka.instance.hostname = "localhost"

eureka.client.fetchRegistry = false

eureka.client.registerWithEureka = false

eureka.client.serviceUrl.defaultZone =
http://${eureka.instance.hostname}:${server.port}/eureka/
```

Check for Eureka Server running –

- <http://localhost:8071/eurekaserver/default>
- http://localhost:8070/

Steps for enabling Eureka Client and register microservices

1. Add Eureka Discovery Client Dependency in all Microservices
2. Add below properties in all microservices –

`management.info.env.enabled = true`

`management.endpoint.shutdown.enabled = true`

`endpoints.shutdown.enabled = true`

`eureka.instance.preferIpAddress = true`

`eureka.client.fetchRegistry = true`

`eureka.client.registerWithEureka = true`

`eureka.client.serviceUrl.defaultZone = http://localhost:8070/eureka/`

`info.app.name = "accounts"`

`info.app.description = "Some description about registered microservice"`

`info.app.version = "1.0.0"`