

Date : 14-May-21

Spring Boot 9AM

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Spring Cloud Config Server (Coding part)

1. Eureka Server

Name : SpringCloudCSEurekaServer

Dep : Eureka Server

=> At starter class: @EnableEurekaServer

=> Properties

server.port=8761

eureka.client.register-with-eureka=false

eureka.client.fetch-registry=false

2. Config server with setup

--Gitlab Configuration-----

a. Goto : https://gitlab.com/users/sign_up

and fill details

b. Goto Email Account , click on verify email

c. Goto Loing Page

https://gitlab.com/users/sign_in?redirect_to_referer=yes

d. Create New Project

> Click on New Project Button

> Choose Blank Project

> Enter project name : my-config-test

> Use Private(if you dont want to share it to other)
or else use public.

> Click on Create button

> Click on Add File

> Enter file name : application.properties

> Enter key=val

> Commit Button > Commit Message > Click on Commit

> Project > Your Projects

> Click on your Project name

> click on clone

> Copy HTTPS option

ex:

<https://gitlab.com/javabyraghu/my-config-test.git>

-----Github-----

<https://www.youtube.com/watch?v=T2UHpsxJ-2o>

<https://www.youtube.com/watch?v=38UGVeXuj3Q>

--Bitbucket--

<https://support.atlassian.com/bitbucket-cloud/docs/create-a-git-repository/>

----- (coding part for Config Server) -----

Name : SpringCloudCSConfigServer

Dep : Config Server

=> At starter class: @EnableConfigServer

=> application.properties

server.port=8888

spring.cloud.config.server.git.uri=https://gitlab.com/javabyraghu/my-config-test.git

#If it is private account

spring.cloud.config.server.git.username=javabyraghu

spring.cloud.config.server.git.password=*****

3. MS# Application

Name : SpringCloudCSEmployeeService

Dep : Web, EurekaDiscovery Client, Config Client

=> At starter : @EnableEurekaClient

=> properties

server.port=8686

spring.application.name=EMPLOYEE-SERVICE

eureka.client.service-url.defaultZone=http://localhost:8761/eureka

=> RestController

package in.nareshit.raghu.rest;

import org.springframework.beans.factory.annotation.Value;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

@RestController

@RequestMapping("/emp")

public class EmployeeRestController {

 @Value("\${my.app.title}")

 private String code;

 public String showData() {

 return "Hello FROM MS# " + code;

 }

}

=====Execution Order=====

1. Eureka Server

2. Config Server

3. MS# app

http://192.168.0.2:8686/actuator/info

http://192.168.0.2:8686/emp/data

*) Note: When we run our MS# application with Config Client Dependency
 look at first line at console

ConfigServicePropertySourceLocator:

 Fetching config from server at : http://localhost:8888

*) Here, For Every MS# one Parent is Spring Cloud that has code for

Config Client. We just added dependncy in MS#.

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