we already set up service registory now we are gonna set up admin server zipkin tells about response tym of request and data come back amin server helps to know the health of the server

api server 1 --- server registory api server 2 --- admin server zipkin server

add eureka server in dependency @EnableEurekaServer add to main file

server.port=8761 -- microservices will auromatically registory eureka.client.register-with-eureka=false -- this is not client eureka.client.fetch-registry=false -- no fetching should happened

admin server:

this will use spring activator in back ground but its provide ui to monitor the health of microservices

create a new spring starter project

## ADD DEPENDENCY:

<dependency>

<groupId>de.codecentric</groupId>

<artifactId>spring-boot-admin-starter-server</artifactId>

</dependency>

<dependency>

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

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

</dependency>

\_\_\_\_\_

Enable Admin Server by adding @EnableAdminServer annotation to your main class:

server.port:8081

localhost:8081

## Zipkin SERVER:

1. Download Zipkin Servers: https://zipkin.io/pages/quickstart ---> choose java and latest version --> click ---> zip got downloaded

now copy it and make a folder in c and paste it in new folder --zipkin folder

2. To run jar file: java -jar file-name

now open cmd -- and use {{ java -jar zipkin-server-3.5.1-exec.jar }} to run the zipkin server locally

3. Access that on port 9411

In cmd we will get the link paste it to get ui

Now its tym to create the first microservices:

add : zipkin
spring web
spring dev tools
spring boot activator
admin client
eruka discoury client

finish

http://127.0.0.1:9411/

spring.application.name=microservice-1 server.port=8082

# Eureka - Optional if you are running eureka on port 8671 if it is not there also it will work eureka.client.service-url.defaultZone=http://localhost:8761/eureka

# Admin Server spring.boot.admin.client.url=http://localhost:8081

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

# Zipkin - Optional to mention. It will register with ZIPKIN Automatically if it is not there also it will work

spring.zipkin.base-url=http://localhost:9411

```
mow make congtroller layer:

@RestController
@RequestMapping("/user")
public class Controller {
     @GetMapping("/msg")
     public String userSignin()
     {
         return "it is working";
     }
```

}

then run the app go to eureka and click on the microservices : you will get this in status

http://sasank2323:8082/actuator/info---> remove actuator and info and add user url http://sasank2323:8082/user/msg

• Design Patterns (Singleton, Factory, Strategy, etc.)