Pending: Spring boot OAuth2 + JWT

Today: Spring boot actuator

Spring boot actuator

Is used to collect metrics about the web service

Lot of metrics to find the health, info about the service

Enabling all or some of the metrics of the service.

Demo:

1. Add the actuator dependency
2. Application.properties

Enable selective or all metrics/ information

server.port=8085

management.endpoints.web.exposure.include=health,info

<https://www.callicoder.com/spring-boot-actuator/>

<https://docs.spring.io/spring-boot/docs/2.5.6/reference/html/actuator.html>

to install spring boot CLI, download and unzip from:

<https://repo.spring.io/release/org/springframework/boot/spring-boot-cli/2.5.0/>

<https://docs.google.com/spreadsheets/d/1jfYo32cTNvyKi4WMoQLlwt6-naRs79RlHBDd6R7wX_Q/edit?usp=sharing>

Docker

Docker is a devops tool

Containerization tool

Light weight (compared to virtual machine). Contains only required libraries and system files, runtime environment to run the application/service

Platform as a service

Problem:

After developing an application or service, you want it to run in another system/server. What are the challenges we face?

Platform difference, configuration, version, etc.

So we can containerize the application and run it in any computer where docker is present.

In my computer, mysql is not there means, I have docker, so I can pull docker image of mysql and run it here.

Lets assume that my computer do not have mysql. Lets pull mysql image and login to mysql in docker container.

If you create a docker image of your web service, then it access a mysql server running in another docker container, then it is possible in 2 ways:

1. docker-compose
2. using network

Spring boot CLI

Docker commands