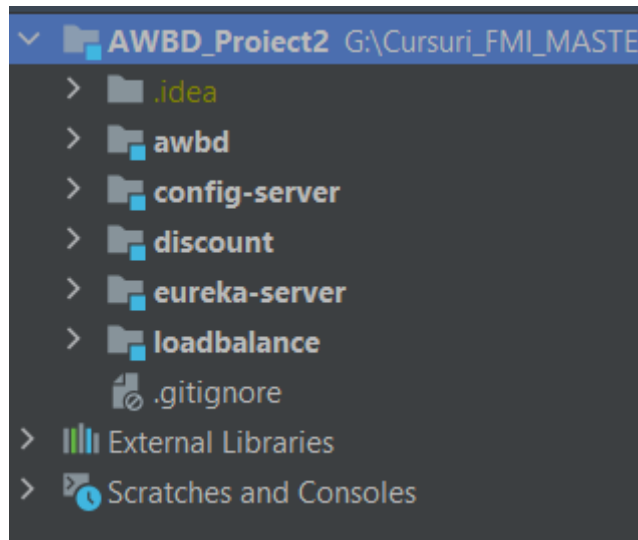


AWBD - Proiect 2

1. Structura proiectului

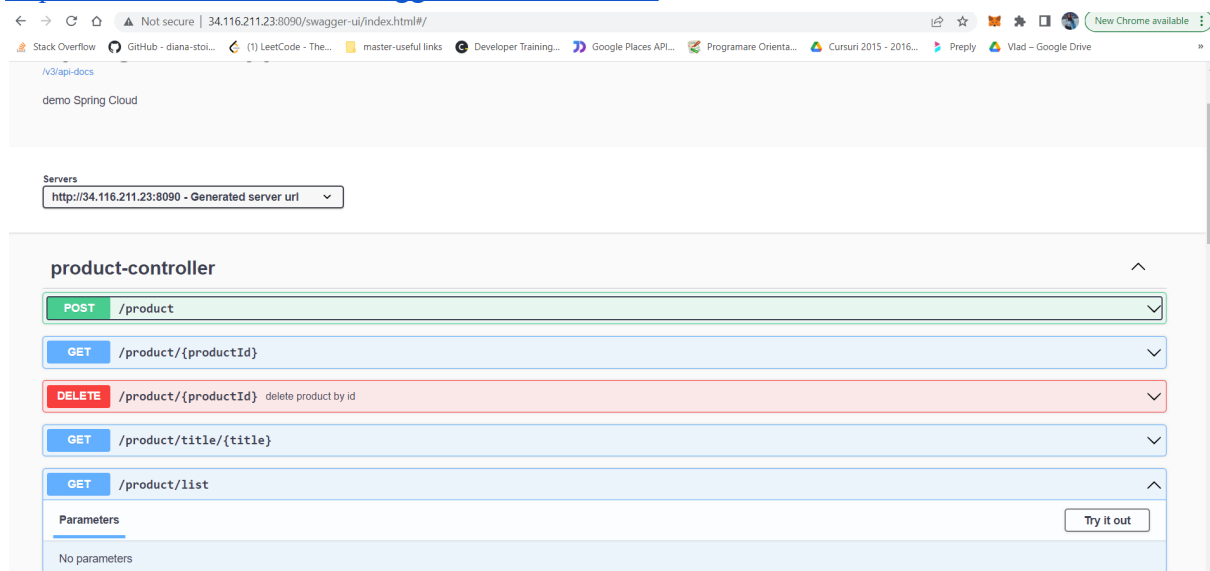


Acesta se poate gasi pe GitHub la adresa:

https://github.com/StefaniaVijulan/AWBD_Proiect2

2. Interfata Swagger poate fi accesata la adresa

<http://34.116.211.23:8090/swagger-ui/index.html#/>



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Răspunsul primit după adaugarea unui produs în baza de date.

```
201
Undocumented
Response body
{
  "id": 3,
  "title": "test3",
  "description": "test3",
  "price": 600
}

Response headers
connection: keep-alive
content-type: application/hal+json
date: Sun, 18 Jun 2023 18:18:24 GMT
keep-alive: timeout=60
location: http://34.116.211.23:8090/product/3
transfer-encoding: chunked
```

3. Service discovery - Eureka

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spring Eureka

HOME LAST 1000 SINCE STARTUP

System Status

Environment	test	Current time	2023-06-18T21:28:27 +0300
Data center	default	Uptime	00:04
		Lease expiration enabled	false
		Renews threshold	6
		Renews (last min)	6

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
AWBD	n/a (1)	(1)	UP (1) - host.docker.internal:awbd:8090
DISCOUNT	n/a (1)	(1)	UP (1) - host.docker.internal:discount:8081
UNKNOWN	n/a (1)	(1)	UP (1) - host.docker.internal:9090

General Info

4. Zipkin Distributed Tracing Server

Am folosit imagine de docker după ce am făcut pull utilizând comanda : `docker pull openzipkin/zipkin`

← → ↺ 🏠 localhost:9411/zipkin/?lookback=15m&endTs=1687112876091&limit=10

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Zipkin

Find a traceDependencies

ENGLISH

Search by trace ID

+

RUN QUERY

⚙

4 Results

EXPAND ALLCOLLAPSE ALLService filters

Root	Start Time	Spans	Duration	
awbd: http get /product/{productId}	a few seconds ago (06/18 21:27:42:624)	2	567.342ms	SHOW
awbd: http post /product	a few seconds ago (06/18 21:27:29:094)	1	395.894ms	SHOW
awbd: http get /product/list	a few seconds ago (06/18 21:27:50:604)	1	261.766ms	SHOW
awbd: http post /product	a few seconds ago (06/18 21:27:30:682)	1	20.706ms	SHOW

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5. Docker - pentru fiecare microserviciu am creat o imagine de docker, pe care am rulat-o si am publicat-o și pe DockerHub.

	kind_taussig 882980bfbd1	veronica01/awbd.config-server-0.0.3-SNAPSHOT	Running	8070:8070	12 seconds ago			
	happy_wiles 756bb00e00ee	veronica01/awbd.eureka-server-0.0.3-SNAPSHOT	Running	8761:8761	12 seconds ago			
	vibrant_mclean 85e1550283a7	veronica01/awbd.discount-0.0.3-SNAPSHOT	Running	8081:8081	12 seconds ago			
	pensive_meitner 8ef20aee2a66	veronica01/awbd.loadbalance-0.0.3-SNAPSHOT	Running	9090:9090	12 seconds ago			
	vigilant_wright 352b8316cc02	veronica01/awbd.awbdapp-0.0.3-SNAPSHOT	Running	8090:8090	12 seconds ago			
	awesome_buck d20e8cd307df	openzipkin/zipkin:latest	Running	9413:9413	12 seconds ago			

6. Kubernetes - pentru fiecare microserviciu s-a creat în proiectul de pe GoogleCloud cate un fișier .yaml corespunzător, apoi s-a rulat comanda *kubectl apply -f awbdapp.yml*.

awbdapp.tar

awbdapp.yml

config.yml

configMap.yml

discount.yml

eureka.yml

README-cloudshell.txt

OVERVIEW

OBSERVABILITY

COST OPTIMIZATION

Filter

Is system object : False

Filter workloads

<input type="checkbox"/>	Name ↑	Status	Type	Pods	Namespace	Cluster
<input type="checkbox"/>	awbdapp-deployment	OK	Deployment	1/1	default	cluster-2
<input type="checkbox"/>	configserver-deployment	OK	Deployment	1/1	default	cluster-2
<input type="checkbox"/>	discount-deployment	OK	Deployment	1/1	default	cluster-2
<input type="checkbox"/>	eurekaserver-deployment	OK	Deployment	1/1	default	cluster-2

21) X +

Kubernetes Engine

Clusters

Workloads

Services & Ingress

Applications

Secrets & ConfigMaps

Storage

Object Browser

Migrate to Containers

Backup for GKE

Security Posture

Marketplace

Release Notes

Deployment d...

REFRESH

EDIT

DELETE

ACTIONS

SHOW INFO PANEL

OPERATIONS

HELP ASSISTANT

LEARN

Active revisions

Revision	Name	Status	Summary	Created on	Pods running/Pods total
7	awbdapp-deployment-6b67c75b8	OK	awbdapp: veronica01/awbd.awbdapp-0.0.1-SNAPSHOT	Jun 18, 2023, 9:37:40 AM	1/1

Managed pods

Revision	Name	Status	Restarts	Created on
7	awbdapp-deployment-6b67c75b8-9d57b	Running	0	Jun 18, 2023, 9:37:41 AM

Exposing services

Name ↑	Type	Endpoints
awbdapp-deployment-service	Load balancer	34.116.211.23:8090

Configuration

Name	Type
awbd-configmap	Config Map
dockerhub-secret	Secret: kubernet.es.io/dockerconfigson

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