

Rapport du devoir J2E – Amina KZIBER & Oumaima CHAHBOUN – 5IIR8

Etude de cas 1 :

- <http://localhost:9101/microservice-commandes/default>

```
localhost:9101/microservice-commandes/default
{"name":"microservice-commandes","profiles":["default"],"label":null,"version":"a8d17b30eb3321cac82a614a68e6780f41076b37","state":null,"propertySources":[{"name":"https://github.com/aminakzb/mcommande-config-repo.git/microservice-commandes.properties","source":{"spring.jpa.show-sql":"true","spring.h2.console.enabled":"true","spring.datasource.sql-script-encoding":"UTF-8","management.endpoints.web.exposure.include":"info,health,refresh","mes-config-ms.commandes-last":"10"}}]}
```

-Affichage des commandes des 10 derniers jours : <http://localhost:8081/Commandes>

```
localhost:8081/Commandes
[{"id":35,"description":"Commande 35","quantite":8,"date":"2024-01-04","montant":150.0}, {"id":36,"description":"Commande 36","quantite":15,"date":"2024-01-05","montant":120.0}, {"id":37,"description":"Commande 37","quantite":10,"date":"2024-01-06","montant":180.0}, {"id":38,"description":"Commande 38","quantite":7,"date":"2024-01-05","montant":120.0}, {"id":39,"description":"Commande 39","quantite":12,"date":"2024-01-06","montant":180.0}, {"id":40,"description":"Commande 40","quantite":12,"date":"2024-01-06","montant":180.0}]
```

-<http://localhost:8081/actuator>

```
localhost:8081/actuator
{"_links":{"self":{"href":"http://localhost:8081/actuator","templated":false},"health":{"href":"http://localhost:8081/actuator/health","templated":false},"health-path":{"href":"http://localhost:8081/actuator/health/{path}","templated":true},"info":{"href":"http://localhost:8081/actuator/info","templated":false},"refresh":{"href":"http://localhost:8081/actuator/refresh","templated":false}}}
```

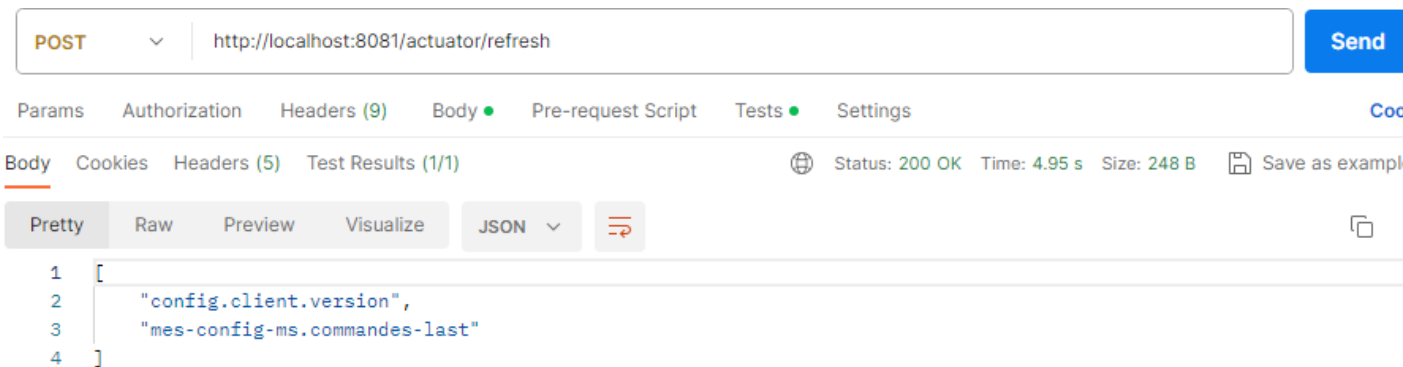
- Rechargement de la configuration à chaud :

[mcommande-config-repo](#) / [microservice-commandes.properties](#)

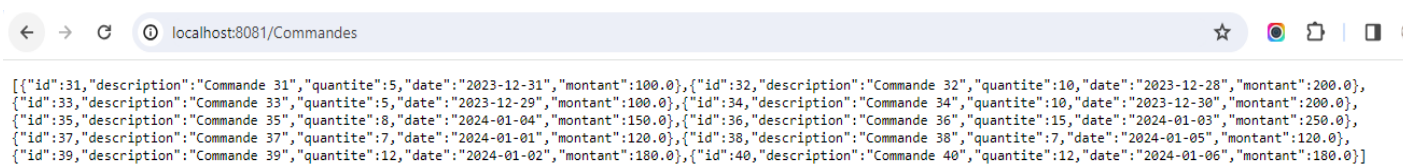
aminakzb Update microservice-commandes.properties

Code Blame 10 lines (9 loc) • 308 Bytes Code 55% faster with GitHub Copilot

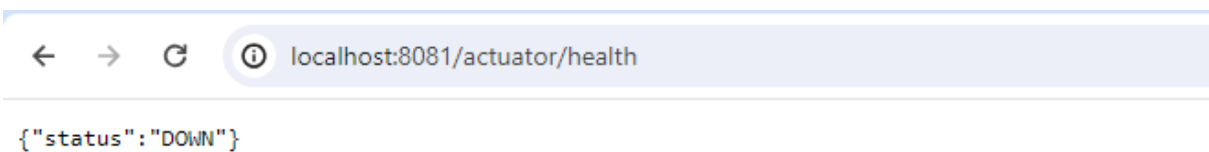
```
1
2 #Configurations H2
3 spring.jpa.show-sql=true
4 spring.h2.console.enabled=true
5 #defini l'encodage pour data.sql
6 spring.datasource.sql-script-encoding=UTF-8
7 #Configuration Actuator
8 management.endpoints.web.exposure.include=info,health,refresh
9 #Les configurations exetrenalisés
10 mes-config-ms.commandes-last = 20
```



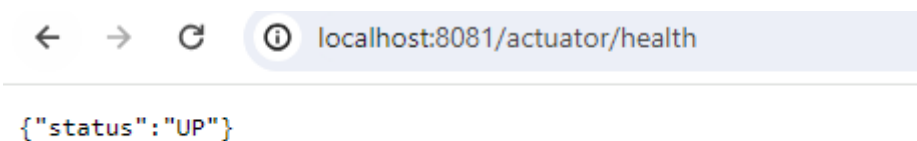
-Affichage des commandes des 20 derniers jours :



-Etat de santé du microservice lorsqu'il n'y a pas de commandes

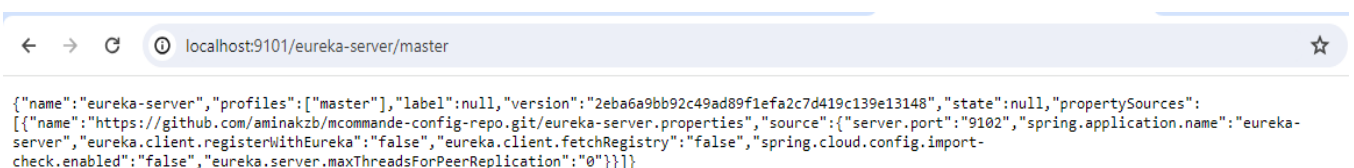


-Etat de santé du microservice lorsqu'il y a des commandes dans la bd




Etude de cas 2 :

- http://localhost:9101/eureka-server/master



← → ↻ localhost:9102 ☆ 🌈 📁 🖨️ 🔍 ⋮

 HOME LAST 1000 SINCE STARTUP

System Status

Environment	test	Current time	2024-01-11T13:20:11 +0100
Data center	default	Uptime	00:04
		Lease expiration enabled	false
		Renews threshold	1
		Renews (last min)	0

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
No instances available			

Activer Windows

-Enregistrement des microservice-commandes et microservice-produits au niveau de eureka :

← → ↻ localhost:9102 ☆ 🌈 📁 🖨️ 🔍 ⋮

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
MICROSERVICE-COMMANDES	n/a (1)	(1)	UP (1) - localhost:microservice-commandes:8081
MICROSERVICE-PRODUITS	n/a (1)	(1)	UP (1) - localhost:microservice-produits:9001

General Info

Services

- Spring Boot
 - Running
 - ConfigServerApplication :9101/
 - EurekaServerApplication**
 - MicroserviceCommandesApplication :808
 - MicroserviceProduitsApplication :9001/

Console

```
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Current renewal threshold is : 1
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 3ms
: Running the evict task with compensationTime 0ms
: The replica size seems to be empty. Check the route 53 DNS Registry
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 0ms
: Running the evict task with compensationTime 83ms
: Registered instance MICROSERVICE-COMMANDES/localhost:microservice-commandes:8081 with status UP (replication=false)
: Running the evict task with compensationTime 3ms
: Registered instance MICROSERVICE-PRODUITS/localhost:microservice-produits:9001 with status UP (replication=false)
```

Activer Windows

-Enregistrement de Zuul server dans spring cloud config server : <http://localhost:9101/zuul-server/master>

```
localhost:9101/zuul-server/master

{"name":"zuul-server","profiles":["master"],"label":null,"version":"2da2819557ef5a57d736cef2a15dac29a2559e6","state":null,"propertySources":[{"name":"https://github.com/aminakzb/mcommande-config-repo.git/zuul-server.properties","source":{"server.port":"9004","eureka.client.serviceUrl.defaultZone":"http://localhost:9102/eureka/"}}]}
```

- Enregistrement zuul server au niveau de eureka server:

localhost:9102

Renews threshold 3
Renews (last min) 2

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
ZUUL-SERVER	n/a (1)	(1)	UP (1) - localhost:zuul-server:9004

General Info

localhost:9102

Renews threshold 6
Renews (last min) 6

EMERGENCY! EUREKA MAY BE INCORRECTLY CLAIMING INSTANCES ARE UP WHEN THEY'RE NOT. RENEWALS ARE LESSER THAN THRESHOLD AND HENCE THE INSTANCES ARE NOT BEING EXPIRED JUST TO BE SAFE.

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
MICROSERVICE-COMMANDES	n/a (1)	(1)	UP (1) - localhost:microservice-commandes:8081
MICROSERVICE-PRODUITS	n/a (1)	(1)	UP (1) - localhost:microservice-produits:9001
ZUUL-SERVER	n/a (1)	(1)	UP (1) - localhost:zuul-server:9004

General Info

-Test des méthodes crud du microservice commandes :

POST http://localhost:8081/CreateCommandes Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cooki

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** Beautif

```
1 {
2   "description": "Commande 1 ajoutée depuis postman",
3   "quantite": 2,
4   "date": "2024-01-05",
5   "montant": 200.00,
6   "produit_id": 1
7 }
```

Body Cookies Headers (5) Test Results (1/1) 🌐 Status: 201 Created Time: 5.19 s Size: 221 B 📄 Save as example

Pretty Raw Preview Visualize Text 🔍 📄 (

```
1 Commande créée avec succès. ID de la commande : 1
```

GET http://localhost:8081/Commandes/1

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** 📄

```
1 {
```

Body Cookies Headers (5) Test Results (1/1) 🌐 Status: 200 OK Ti

Pretty Raw Preview Visualize **JSON** 🔍 📄

```
1 {
2   "id": 1,
3   "description": "Commande 1 ajoutée depuis postman",
4   "quantite": 2,
5   "date": "2024-01-05",
6   "montant": 200.0,
7   "produit_id": 1
8 }
```

PUT

http://localhost:8081/commandes/1

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTests

none

form-data

x-www-form-urlencoded

raw

binary

Gra

1

{

2

"description": "Commande 1 modifiée",

3

"quantite": 500,

4

"date": "2024-01-05",

5

"montant": 200.00,

6

"produit_id": 1

7

}

8

9

BodyCookiesHeaders (5)Test Results (1/1)

Pretty

Raw

Preview

Visualize

Text

1

Commande mise à jour avec succès

GET

http://localhost:8081/Commandes/1

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTes

none

form-data

x-www-form-urlencoded

raw

binary

1

{

BodyCookiesHeaders (5)Test Results (1/1)

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"id": 1,

3

"description": "Commande 1 modifiée",

4

"quantite": 500,

5

"date": "2024-01-05",

6

"montant": 200.0,

7

"produit_id": 1

8

}

DELETE

▼

http://localhost:8081/commandes/1

Params

Authorization

Headers (9)

Body ●

Pre-request Script

Tests

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ Gr

1

5

Body

Cookies

Headers (5)

Test Results (1/1)

⌵

Pretty

Raw

Preview

Visualize

Text ▼



1

Commande supprimée avec succès