


Nom : AZZAIM Nisrine

Classe : 5IIR8

Etude de cas 2 :

```
server.port = 9001
eureka.client.serverUrl.defaultZone=http://localhost:8761/eureka/
spring.jpa.show-sql = true
spring.h2.console.enabled = true
spring.datasource.url=jdbc:h2:mem:testdb
spring.datasource.driverClassName = org.h2.Driver
spring.datasource.username = sa
spring.datasource.password =
spring.jpa.database-platform = org.hibernate.dialect.H2Dialect
spring.jpa.hibernate.ddl-auto = update
mes-configs-ms.commandes_last = 20
management.endpoints.web.exposure.include=*
#management.endpoints.web.exposure.include=refresh
```

```
server.port = 9011
eureka.client.serverUrl.defaultZone=http://localhost:8761/eureka/
spring.jpa.show-sql = true
spring.h2.console.enabled = true
spring.datasource.url=jdbc:h2:mem:testdb
spring.datasource.driverClassName = org.h2.Driver
spring.datasource.username = sa
spring.datasource.password =
spring.jpa.database-platform = org.hibernate.dialect.H2Dialect
spring.jpa.hibernate.ddl-auto = update
mes-configs.limitDeProduits = 7
management.endpoints.web.exposure.include=*
#management.endpoints.web.exposure.include=refresh
```

```
C: > Users > azzai > Desktop > studies > 5IIR > JEE > projects > Devoir > Etude_de_cas_1 > configs-repo >  zuul-server,
1  server.port = 9004
2  eureka.client.serviceUrl.defaultZone = http://localhost:8761/eureka/
```

```
server.port = 8761
spring.application.name = eureka-server
eureka.client.registerWithEureka=false
eureka.client.fetchRegistry=false
spring.cloud.config.import-check-enabled=false
eureka.server.maxThreadsForPeerReplication=0
```

```
package com.dev01r.eurekaserver;

import ...

1 usage
@SpringBootApplication
@EnableEurekaServer
public class EurekaServerApplication {

    no usages
    public static void main(String[] args) { SpringApplication.run(EurekaServerApplication.class, args); }

}
```

```
bootstrap.properties x EurekaServerApplication.java x pom.xml (eureka-server) x
1 spring.application.name=eureka-server
2 spring.cloud.config.uri=http://localhost:9101
3 management.endpoints.web.exposure.include=refresh
4
```

```
1 usage
@SpringBootApplication
@EnableZuulProxy
@EnableDiscoveryClient
public class ZuulServerApplication {

    no usages
    public static void main(String[] args) { SpringApplication.run(ZuulServerApplication.class, args); }

}
```

m pom.xml (zuul-server) × bootstrap.properties × ZuulServerApplication.java ×

1

spring.application.name=zuul-server

2

spring.cloud.config.uri=http://localhost:9101

3

spring Eureka

HOME LAST 1000 SINCE STARTUP

System Status

Environment	test	Current time	2024-01-06T03:58:41 +0100
Data center	default	Uptime	00:00
		Lease expiration enabled	false
		Renews threshold	5
		Renews (last min)	0

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
MICROSERVICE-COMMANDES	n/a (1)	(1)	UP (1) - localhost:microservice-commandes:9001
MICROSERVICE-PRODUITS	n/a (1)	(1)	UP (1) - localhost:microservice-produits:9011

General Info

Name	Value
total-avail-memory	80mb

← ↻ localhost:9004/microservice-produits/Produits

```
1  [
2    {
3      "id": 0,
4      "titre": "Bougie fonctionnant au feu",
5      "description": "bougie qui fonctionne comme une ampoule mais sans électricité !",
6      "image": "blob/master/images/Bougie.PNG?raw=true",
7      "prix": 22
8    },
9    {
10     "id": 1,
11     "titre": "Chaise pour s'asseoir",
12     "description": "Chaise rare avec non pas 1 ni 2 mais 3 pieds",
13     "image": "blob/master/images/Chaise.PNG?raw=true",
14     "prix": 95
15   },
16   {
17     "id": 2,
18     "titre": "Cheval pour nains",
19     "description": "Ce cheval ne portera certainement pas blanche neige, mais sans problème les nains",
20     "image": "blob/master/images/Cheval.PNG?raw=true",
21     "prix": 360
22   },
23   {
24     "id": 3,
25     "titre": "Coq of steel, le superman des volailles",
26     "description": "Ne passe pas au four",
27     "image": "blob/master/images/coq.PNG?raw=true",
28     "prix": 620
29   },
30   {
31     "id": 4,
32     "titre": "Flacon à frotter avec un génie dedans",
33     "description": "Vous donne droit à l'équivalent de 3/0 voeux",
34     "image": "blob/master/images/lampe.PNG?raw=true",
35     "prix": 1200
36   },
37   {
38     "id": 5,
39     "titre": "Horloge quantique",
40     "description": "Donne l'heure, les minutes et même les secondes. Ne fait pas de café",
41     "image": "blob/master/images/Horloge.PNG?raw=true",
42     "prix": 180
43   },
44   {
45     "id": 6,
46     "titre": "Table d'opération pour Hamsters",
47     "description": "Pour réaliser vos opérations chirurgicales sur votre Hamster!",
48     "image": "blob/master/images/table%20d'op%C3%A9ration.PNG?raw=true",
49     "prix": 210
50   }
51 ]
```

← ↻ localhost:9004/microservice-commandes/Commandes

```
1  [
2    {
3      "id": 1,
4      "description": "desc2",
5      "quantite": 200,
6      "date": "2023-12-29",
7      "montant": 23,
8      "id_produit": null
9    },
10   {
11     "id": 2,
12     "description": "desc2",
13     "quantite": 200,
14     "date": "2023-12-31",
15     "montant": 100,
16     "id_produit": null
17   },
18   {
19     "id": 3,
20     "description": "desc3",
21     "quantite": 100,
22     "date": "2024-01-01",
23     "montant": 2200,
24     "id_produit": null
25   },
26   {
27     "id": 6,
28     "description": "desc1",
29     "quantite": 100,
30     "date": "2024-01-01",
31     "montant": 22,
32     "id_produit": null
33   },
34   {
35     "id": 7,
36     "description": "desc7",
37     "quantite": 300,
38     "date": "2023-12-27",
39     "montant": 22,
40     "id_produit": null
41   },
42   {
43     "id": 8,
44     "description": "desc8",
45     "quantite": 100,
46     "date": "2024-01-05",
47     "montant": 22,
48     "id_produit": null
49   },
50   {
51     "id": 9,
52     "description": "desc9",
53     "quantite": 200,
54     "date": "2024-01-04",
55     "montant": 22,
56     "id_produit": null
57   },
58   {
59     "id": 10,
60     "description": "desc10",
61     "quantite": 100,
```

GET

localhost:9004/microservice-commandes/Commandes

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value	Description
	Key	Value	Description

Body

Cookies

Headers (3)

Test Results

Status: 200 OKTime: 35

Pretty

Raw

Preview

Visualize

JSON

```
1  [
2    {
3      "id": 1,
4      "description": "desc2",
5      "quantite": 200,
6      "date": "2023-12-29",
7      "montant": 23,
8      "id_produit": null
9    },
10   {
11     "id": 2,
12     "description": "desc2",
13     "quantite": 200,
14     "date": "2023-12-31",
15     "montant": 100,
16     "id_produit": null
17   }
18 ]
```

GET

localhost:9004/microservice-commandes/Commandes/1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value
	Key	Value

Body

Cookies

Headers (3)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1  {
2    "id": 1,
3    "description": "desc2",
4    "quantite": 200,
5    "date": "2023-12-29",
6    "montant": 23,
7    "id_produit": null
8  }
```

POST localhost:9004/microservice-commandes/Commandes

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

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

```
1 {
2   ...."description": "desc2222",
3   ...."quantite": 2012,
4   ...."date": "2024-01-06",
5   ...."montant": 320.0,
6   ...."id_produit": 1
7 }
```

Body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize **JSON** ▾ ↻

```
1 {
2   "id": 28,
3   "description": "desc2222",
4   "quantite": 2012,
5   "date": "2024-01-06",
6   "montant": 320,
7   "id_produit": 1
8 }
```

PUT localhost:9004/microservice-commandes/Commandes/1

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

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

```
1 { "id": 1,
2   ...."description": "desc2222",
3   ...."quantite": 2012,
4   ...."date": "2024-01-06",
5   ...."montant": 320.0,
6   ...."id_produit": 1
7 }
```

Body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize **JSON** ▾ ↻

```
1 {
2   "id": 29,
3   "description": "desc2222",
4   "quantite": 2012,
5   "date": "2024-01-06",
6   "montant": 320,
7   "id_produit": 1
8 }
```

localhost:9004/microservice-commandes/Commandes/1

DELETE

localhost:9004/microservice-commandes/Commandes/1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

{

2

"id": 1,

3

"description": "desc2222",

4

"quantite": 2012,

5

"date": "2024-01-06",

6

"montant": 320.0,

7

"id_produit": 1

8

}

Body

Cookies

Headers (2)

Test Results

Status: 200 OK

Time: 36 ms

Size: 94

Pretty

Raw

Preview

Visualize

Text

1

DELETE

localhost:9004/microservice-commandes/Commandes/1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value	Description
	Key	Value	Description

Body

Cookies

Headers (2)

Test Results

Status:

Pretty

Raw

Preview

Visualize

Text

1

GET localhost:9004/microservice-commandes/Commandes

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": 2,
4     "description": "desc2222",
5     "quantite": 2012,
6     "date": "2024-01-06",
7     "montant": 320,
8     "id_produit": 1
9   },
10  {
11    "id": 3,
12    "description": "desc3",
13    "quantite": 100,
14    "date": "2024-01-01",
```

```
1 usage
2 @EnableConfigurationProperties
3 @EnableDiscoveryClient
4 @EnableHystrix
5 @SpringBootApplication
6 public class MicroserviceCommandesApplication {
7
8     no usages
9     public static void main(String[] args) {
10         SpringApplication.run(MicroserviceCommandesApplication.class, args);
11     }
12 }
13 }
```



```

@RestController
@EnableHystrixDashboard
@EnableCircuitBreaker
@Configuration
public class CommandController implements HealthIndicator {
    8 usages
    @Autowired
    CommandeDao commandeDao ;
    1 usage
    @Autowired
    ApplicationPropertiesConfiguration appProps ;
    no usages
    @GetMapping("/testHystrix")
    @HystrixCommand(fallbackMethod = "myHystrixbuildFallbackMessage",
        commandProperties = {@HystrixProperty(
            name="execution.isolation.thread.timeoutInMilliseconds",value="2000"
        )},threadPoolKey = "messageThreadPool")
    public String testHystrix() throws InterruptedException {
        System.out.println("Message from CommandController.testHystrix() : Begin to sleep for 4 seconds");
        Thread.sleep(4000);
        return "Message from CommandController.testHystrix() : End from sleep for 4 seconds";
    }

    no usages
    private String myHystrixbuildFallbackMessage() {
        return "Message from myHystrixbuildFallbackMessage() : Hystrix Fallback message ( after timeout : 2 second )";
    }
}

```

localhost:9001/testHystrix

Message from myHystrixbuildFallbackMessage() : Hystrix Fallback message (after timeout : 2 second)

Hystrix Stream: <http://localhost:9001/actuator/hystrix.stream>



Circuit Sort: [Error then Volume](#) | [Alphabetical](#) | [Volume](#) | [Error](#) | [Mean](#) | [Median](#) | [90](#) | [99](#) | [99.5](#)

[Success](#) | [Short-Circuited](#) | [Bad Request](#) | [Timeout](#) | [Rejected](#)

testHystrix

0 0 0.0 %

Host: 0.0/s

Cluster: 0.0/s

Circuit Closed

Host	1	50th	90th	95th	99th	99.5th	Mean	Median
Mean	0ms	0ms	0ms	0ms	0ms	0ms	0ms	0ms

Thread Pools Sort: [Alphabetical](#) | [Volume](#) |

messageThreadPool

Host: 0.0/s

Cluster: 0.0/s

Active	Queued	Pool Size	Max Active	Max Queue Size	Executions	Queue Size
0	0	4	0	0	0	5

Hystrix Stream: <http://localhost:9001/actuator/hystrix.stream>

Circuit Sort: [Error then Volume](#) | [Alphabetical](#) | [Volume](#) | [Error](#) | [Mean](#) | [Median](#) | [90](#) | [99](#) | [99.5](#)



Thread Pools Sort: [Alphabetical](#) | [Volume](#) |

