# Devoir

```json
{
    "name": "microservice-commande",
    "profiles": [
        "default"
    ],
    "label": "master",
    "version": "4d677588f3c89fb6231e4d10ad1a6012f9d6b5df",
    "state": null,
    "propertySources": [
        {
            "name": "https://github.com/Abdlraja/mcommerce-config-repo.git/microservice-commande.properties",
            "source": {
                "server.port": "9001",
                "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": "otg.hibernate.dialect.H2Dialect",
                "spring.jpa.hibernate.ddl-auto": "none",
                "mes-config-ms.commandesLast": "10"
            }
        }
    ]
}
```

JSON CRACK | JSON | View Mode | Import | View | Tools | Cloud | Download | Get Premium | Search Node | 54%

```json
{
    "name": "microservice-command
    "profiles": [
        "default"
    ],
    "label": null,
    "version": "69969124c8484412c
    "state": null,
    "propertySources": [
        {
            "name": "https://github.c
            "source": {
                "server.port": "9999",
                "spring.jpa.show-sql":
                "spring.h2.console.enab
                "spring.datasource.url"
                "spring.datasource.driv
                "spring.datasource.user
                "spring.datasource.pass
                "spring.jpa.database-pl
                "spring.jpa.hibernate.c
                "mes-config-ms.commande
            }
        }
    ]
}
```

Valid | Save to Cloud | Private | Share | Live Transform | Nodes: 7 | Feedback

## LISTE DES COMMANDES

[{"id":1,"description":"Product A","quantite":10.0,"date":"2023-12-01","montant":100.0},{"id":2,"description":"Product B","quantite":5.0,"date":"2023-12-02","montant":50.0},
{"id":3,"description":"Product C","quantite":3.0,"date":"2023-12-03","montant":30.0},{"id":4,"description":"Product D","quantite":8.0,"date":"2023-12-04","montant":80.0},
{"id":5,"description":"Product E","quantite":2.0,"date":"2023-12-05","montant":20.0},{"id":6,"description":"Product F","quantite":6.0,"date":"2023-12-06","montant":60.0},
{"id":7,"description":"Product G","quantite":4.0,"date":"2023-12-07","montant":40.0},{"id":8,"description":"Product H","quantite":7.0,"date":"2023-12-08","montant":70.0},
{"id":9,"description":"Product I","quantite":9.0,"date":"2023-12-09","montant":90.0},{"id":10,"description":"Product J","quantite":1.0,"date":"2023-12-10","montant":10.0},
{"id":11,"description":"Product K","quantite":6.0,"date":"2023-12-11","montant":60.0},{"id":12,"description":"Product L","quantite":3.0,"date":"2023-12-12","montant":30.0}]

```
[
  {
    "id": 1,
    "description": "Product A",
    "quantite": 10.0,
    "date": "2023-12-01",
    "montant": 100.0
  },
  {
    "id": 2,
    "description": "Product B",
    "quantite": 5.0,
    "date": "2023-12-02",
    "montant": 50.0
  },
  {
    "id": 3,
    "description": "Product C",
    "quantite": 3.0,
    "date": "2023-12-03",
    "montant": 30.0
  },
  {
    "id": 4,
    "description": "Product D",
    "quantite": 8.0,
```

## LIMITE DE 10 COMMANDES : localhost:9001/Commandes

[{"id":1,"description":"Product A","quantite":10.0,"date":"2023-12-01","montant":100.0},{"id":2,"description":"Product B","quantite":5.0,"date":"2023-12-02","montant":50.0},
{"id":3,"description":"Product C","quantite":3.0,"date":"2023-12-03","montant":30.0},{"id":4,"description":"Product D","quantite":8.0,"date":"2023-12-04","montant":80.0},
{"id":5,"description":"Product E","quantite":2.0,"date":"2023-12-05","montant":20.0},{"id":6,"description":"Product F","quantite":6.0,"date":"2023-12-06","montant":60.0},
{"id":7,"description":"Product G","quantite":4.0,"date":"2023-12-07","montant":40.0},{"id":8,"description":"Product H","quantite":7.0,"date":"2023-12-08","montant":70.0},
{"id":9,"description":"Product I","quantite":9.0,"date":"2023-12-09","montant":90.0},{"id":10,"description":"Product J","quantite":1.0,"date":"2023-12-10","montant":10.0}]

```json
[
  {
    "id": 1,
    "description": "Product A",
    "quantite": 10.0,
    "date": "2023-12-01",
    "montant": 100.0
  },
  {
    "id": 2,
    "description": "Product B",
    "quantite": 5.0,
    "date": "2023-12-02",
    "montant": 50.0
  },
  {
    "id": 3,
    "description": "Product C",
    "quantite": 3.0,
    "date": "2023-12-03",
    "montant": 30.0
  },
  {
    "id": 4,
    "description": "Product D",
    "quantite": 8.0,
```
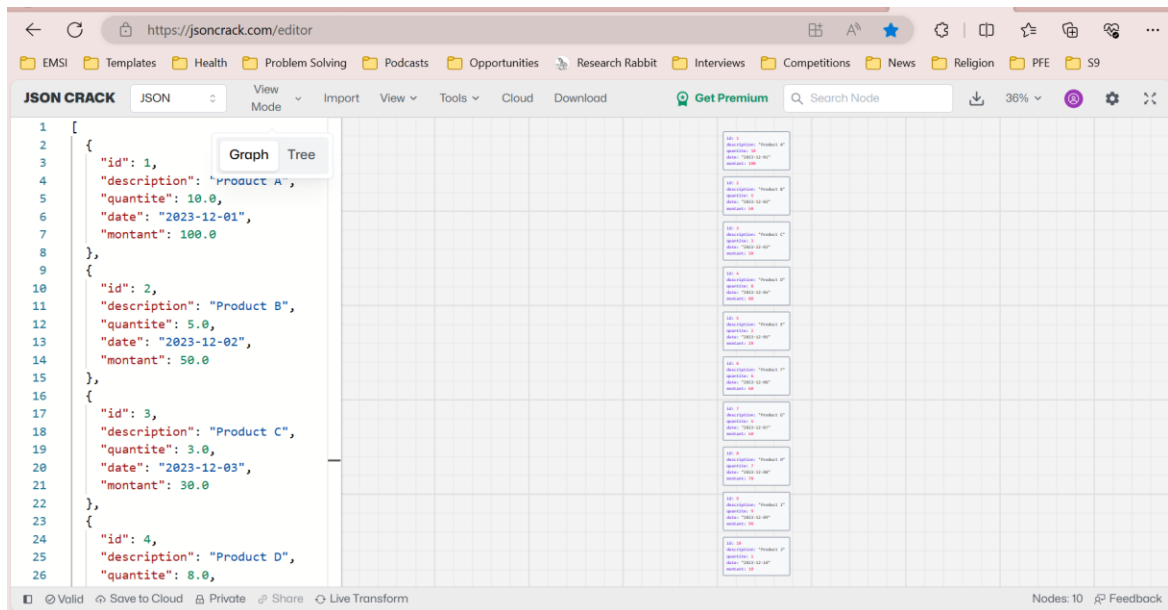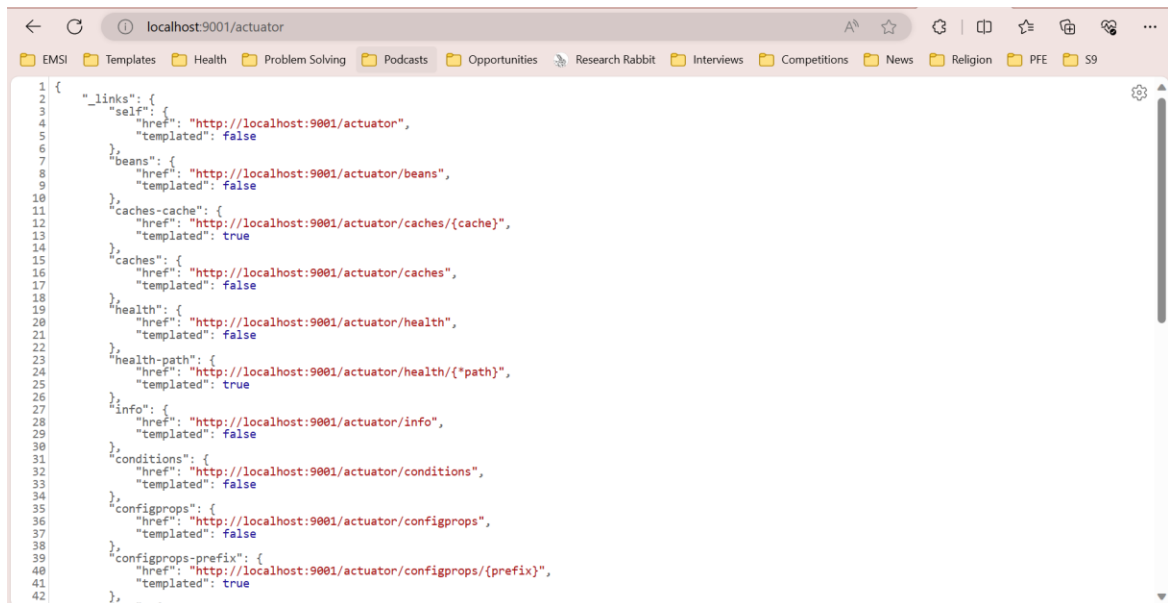
root: [] 10 items
- 0: {} 5 keys
- 1: {} 5 keys
- 2: {} 5 keys
- 3: {} 5 keys
- 4: {} 5 keys
- 5: {} 5 keys
- 6: {} 5 keys
- 7: {} 5 keys
- 8: {} 5 keys
- 9: {} 5 keys

**ACTUATOR : localhost:9001/actuator**

```
Code   Blame    18 lines (18 loc) · 638 Bytes

 1      #Configuration H2
 2      spring.jpa.show-sql=true
 3      spring.h2.console.enabled=true
 4      spring.datasource.url=jdbc:h2:mem:testdb
 5      spring.datasource.driverClassName=org.h2.Driver
 6      spring.datasource.username=sa
 7      spring.datasource.password=
 8      spring.jpa.hibernate.ddl-auto=none
 9      spring.jpa.database-platform=org.hibernate.dialect.H2Dialect
10      #Server configuration
11      server.port=9001
12      mes-config-ms.commandesLast= 8
13      #Configuration Actuator
14      management.endpoints.web.exposure.include=*
15      #management.endpoints.web.exposure.include=refresh
16      #Defini l'encodage pour data.sql
17      spring.datasource.sql-script-encoding=UFT-8
18      management.endpoints.web.expose = info, health,refresh
```

**Déclenchement de l'événement Refresh :** http://localhost:9001/actuator/refresh

POST http://localhost:9001/ac   +   ∘∘∘

HTTP  **http://localhost:9001/actuator/refresh**                    💾 Save    </>

| POST ⌄ | http://localhost:9001/actuator/refresh | **Send** ⌄ |

Params  Authorization  Headers (10)  Body •  Pre-request Script  Tests  Settings        Cookies

Query Params

| Key | Value | Bulk Edit |
|-----|-------|-----------|
| Key | Value | |

Body  Cookies  Headers (5)  Test Results          🌐  200 OK  2.72 s  219 B  Save Response ⌄
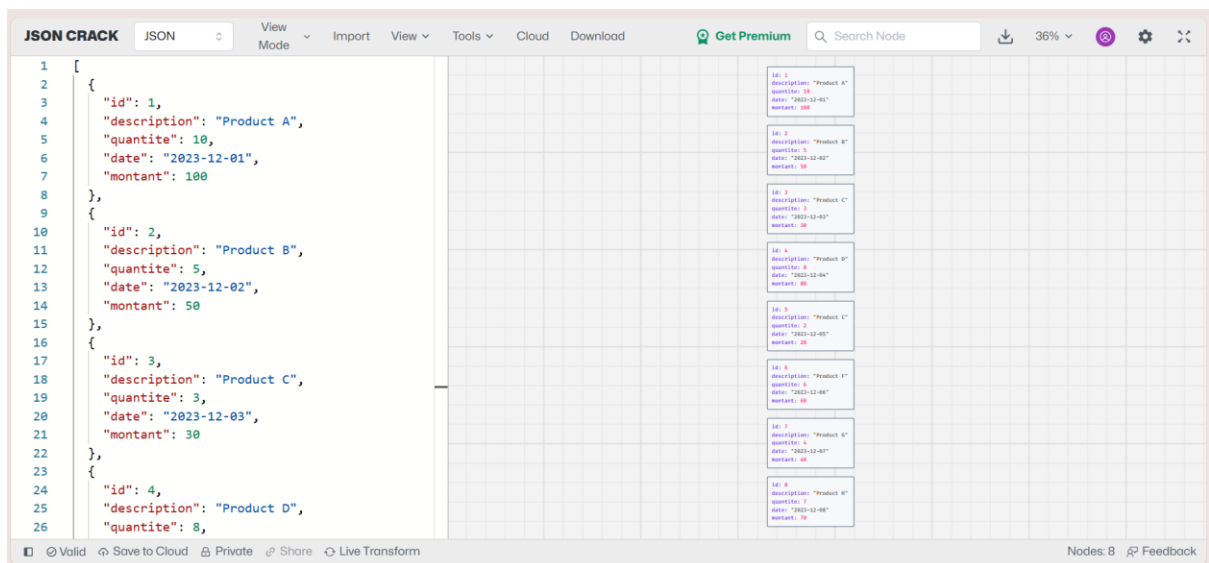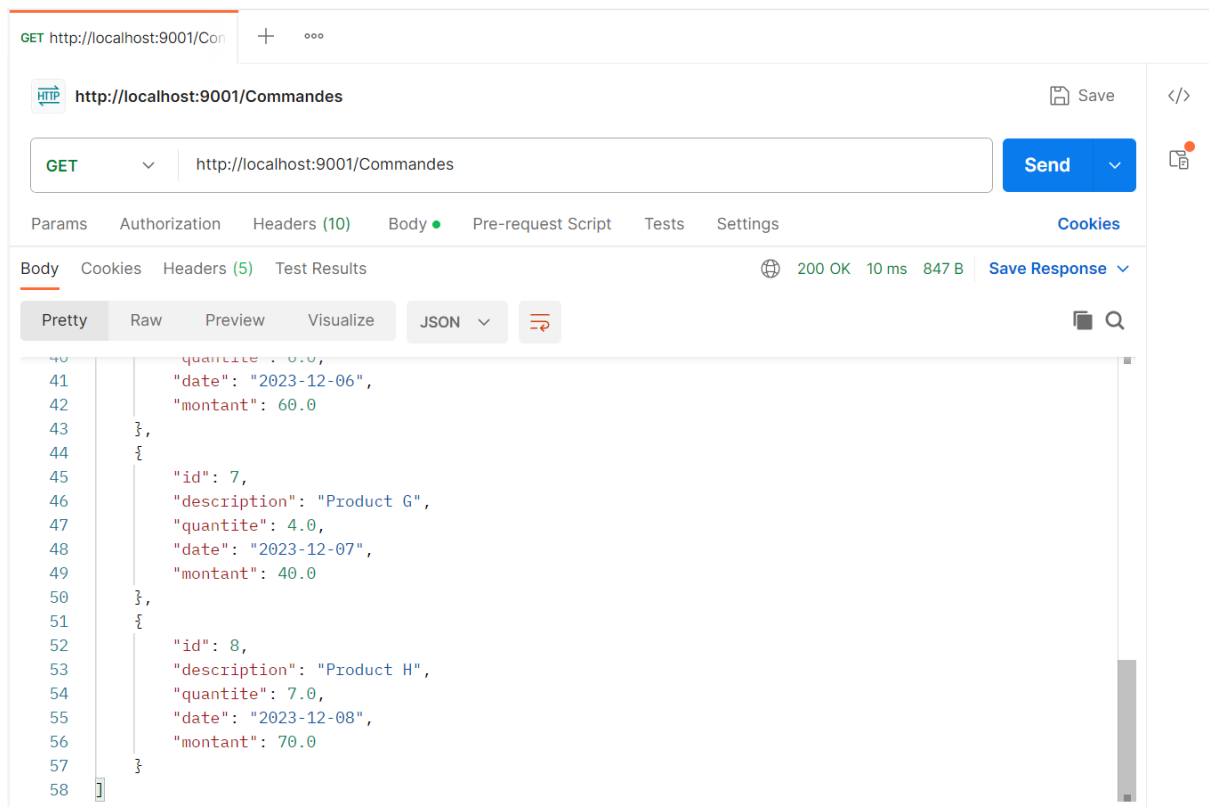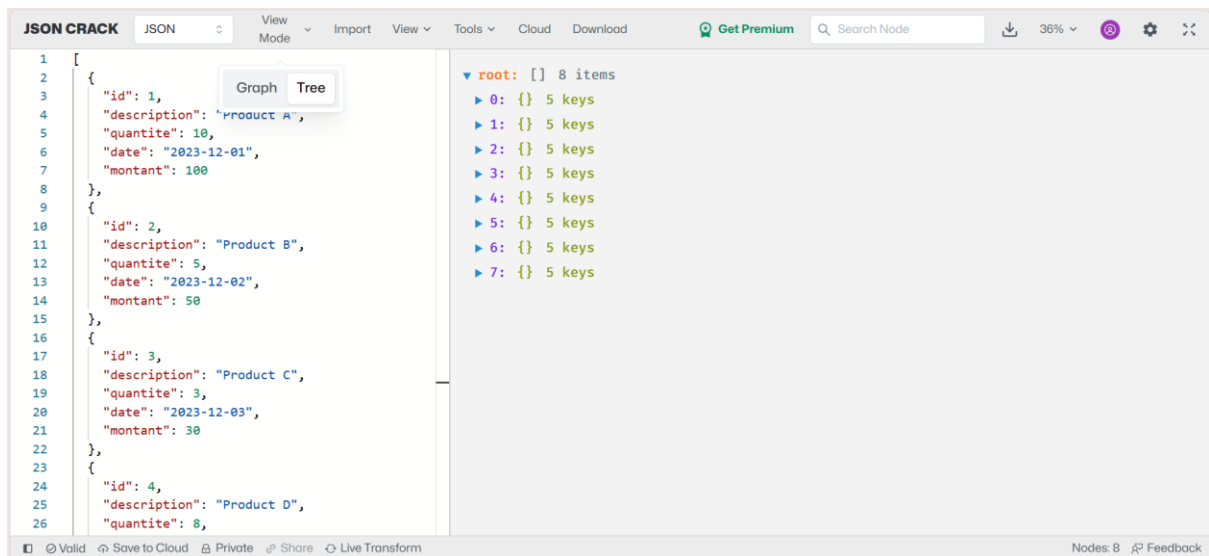
Pretty  Raw  Preview  Visualize    JSON ⌄

```
1  [
2      "config.client.version",
3      "mes-config-ms.commandesLast"
4  ]
```

Propriété activer ; affichage de 8 commandes seulement

http://localhost:9001/Commandes    💾 Save    </>

| GET ∨ | http://localhost:9001/Commandes | **Send** ∨ |

Params   Authorization   Headers (10)   Body •   Pre-request Script   Tests   Settings                    Cookies

Body   Cookies   Headers (5)   Test Results                    🌐   200 OK   10 ms   847 B   Save Response ∨

Pretty   Raw   Preview   Visualize    JSON ∨    ⇥

```json
40          "quantite": 6.0,
41          "date": "2023-12-06",
42          "montant": 60.0
43      },
44      {
45          "id": 7,
46          "description": "Product G",
47          "quantite": 4.0,
48          "date": "2023-12-07",
49          "montant": 40.0
50      },
51      {
52          "id": 8,
53          "description": "Product H",
54          "quantite": 7.0,
55          "date": "2023-12-08",
56          "montant": 70.0
57      }
58 ]
```

JSON CRACK   JSON ∨    View Mode ∨   Import   View ∨   Tools ∨   Cloud   Download    📍 Get Premium   🔍 Search Node   ⬇   36% ∨   👤   ⚙   ⤢

```json
1  [
2      {
3          "id": 1,
4          "description": "Product A",
5          "quantite": 10,
6          "date": "2023-12-01",
7          "montant": 100
8      },
9      {
10         "id": 2,
11         "description": "Product B",
12         "quantite": 5,
13         "date": "2023-12-02",
14         "montant": 50
15     },
16     {
17         "id": 3,
18         "description": "Product C",
19         "quantite": 3,
20         "date": "2023-12-03",
21         "montant": 30
22     },
23     {
24         "id": 4,
25         "description": "Product D",
26         "quantite": 8,
```

⊙ Valid   ⟳ Save to Cloud   🔒 Private   🔗 Share   ⟳ Live Transform                    Nodes: 8   ⚑ Feedback

**Plus de visibiliser su le nombre de commandes afficher**



**HealthIndicator :** localhost:9001/actuator/health
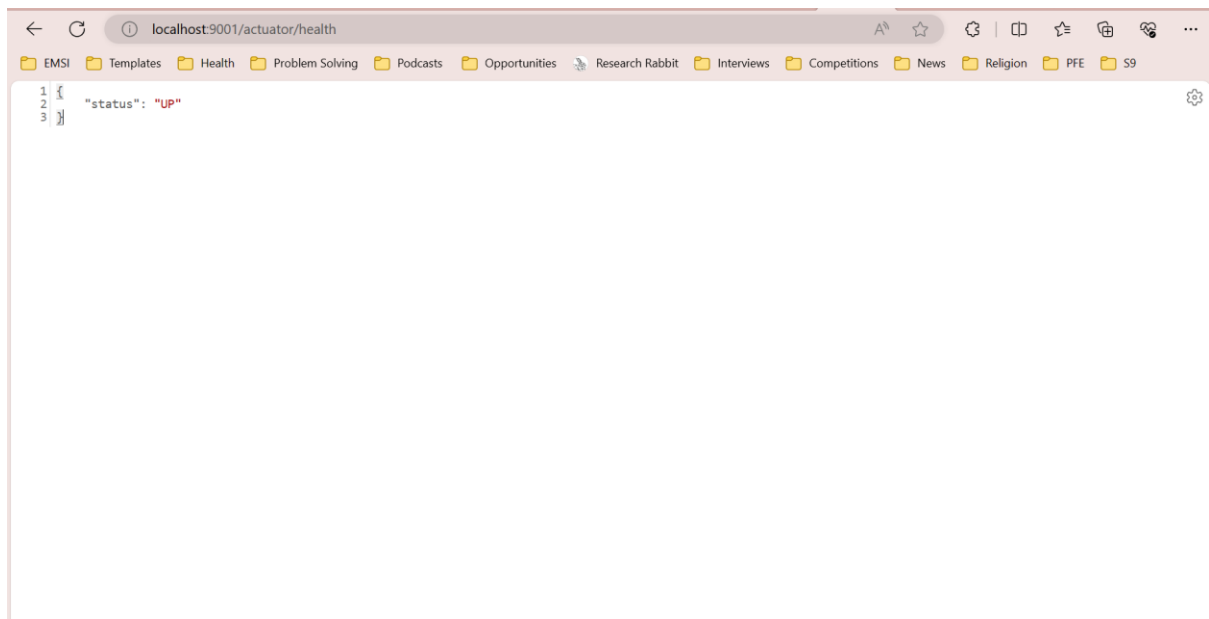
# USE CASE 2

**Fichier properties d'eureka**

← C ⓘ localhost:9102

EMSI  Templates  Health  Problem Solving  Podcasts  Opportunities  Research Rabbit  Interviews  Competitions  News  Religion  PFE  S9

| Renews threshold | 1 |
|---|---|
| Renews (last min) | 0 |

## DS Replicas

## Instances currently registered with Eureka

| Application | AMIs | Availability Zones | Status |
|---|---|---|---|
| No instances available | | | |

## General Info

| Name | Value |
|---|---|
| total-avail-memory | 88mb |
| num-of-cpus | 8 |
| current-memory-usage | 37mb (42%) |
| server-uptime | 00:00 |
| registered-replicas | |

← C ⓘ localhost:9102

EMSI  Templates  Health  Problem Solving  Podcasts  Opportunities  Research Rabbit  Interviews  Competitions  News  Religion  PFE  S9

## DS Replicas

## Instances currently registered with Eureka

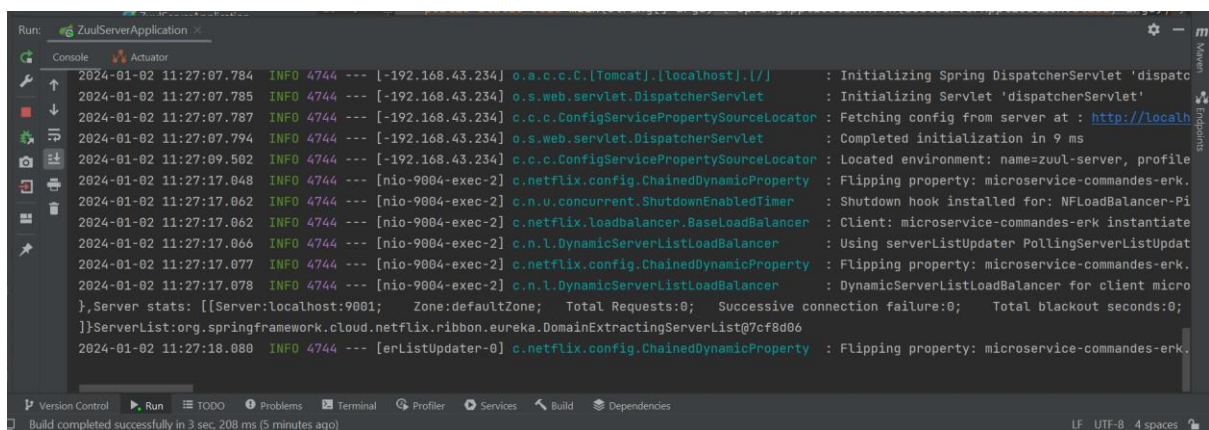| Application | AMIs | Availability Zones | Status |
|---|---|---|---|
| MICROSERVICE-COMMANDES-ERK | n/a (1) | (1) | UP (1) - localhost:microservice-commandes-erk |

## General Info

| Name | Value |
|---|---|
| total-avail-memory | 88mb |
| num-of-cpus | 8 |
| current-memory-usage | 55mb (62%) |
| server-uptime | 00:06 |
| registered-replicas | |
| unavailable-replicas | |
| available-replicas | |

```
Run:    EurekaserverApplication ×

Console    Actuator

stanceRegistry  : Running the evict task with compensationTime 6ms
stanceRegistry  : Running the evict task with compensationTime 6ms
stanceRegistry  : Registered instance MICROSERVICE-COMMANDES-ERK/localhost:microservice-commandes-erk with status UP (replication=false)
stanceRegistry  : Registered instance MICROSERVICE-COMMANDES-ERK/localhost:microservice-commandes-erk with status DOWN (replication=false)
stanceRegistry  : Cancelled instance MICROSERVICE-COMMANDES-ERK/localhost:microservice-commandes-erk (replication=false)
stanceRegistry  : Running the evict task with compensationTime 10ms
stanceRegistry  : Registered instance MICROSERVICE-COMMANDES-ERK/localhost:microservice-commandes-erk with status UP (replication=false)
stanceRegistry  : Running the evict task with compensationTime 13ms
```

Version Control    Run    TODO    Problems    Terminal    Services    Profiler    Build    Dependencies

Typo: In word 'Eurekaserver'                                    LF  UTF-8  Tab*

```
1  {
2      "name": "zuul-server",
3      "profiles": [
4          "master"
5      ],
6      "label": null,
7      "version": "8b9976fd4a286e9d211f5fbe0af9cbb3dc680b11",
8      "state": null,
9      "propertySources": [
10         {
11             "name": "https://github.com/Abdlraja/mcommerce-config-repo.git/zuul-server.properties",
12             "source": {
13                 "server.port": "9004",
14                 "eureka.client.serviceUrl.defaultZone": "http://localhost:9102/eureka/"
15             }
16         }
17     ]
18 }
```

## 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

| Name | Value |
|---|---|
| total-avail-memory | 94mb |
| num-of-cpus | 8 |
| current-memory-usage | 50mb (53%) |
| server-uptime | 00:05 |
| registered-replicas | |
| unavailable-replicas | |
| available-replicas | |

## DS Replicas

## Instances currently registered with Eureka

| Application | AMIs | Availability Zones | Status |
|---|---|---|---|
| MICROSERVICE-COMMANDES-ERK | n/a (1) | (1) | UP (1) - localhost:microservice-commandes-erk |
| ZUUL-SERVER | n/a (1) | (1) | UP (1) - localhost:zuul-server:9004 |

## General Info
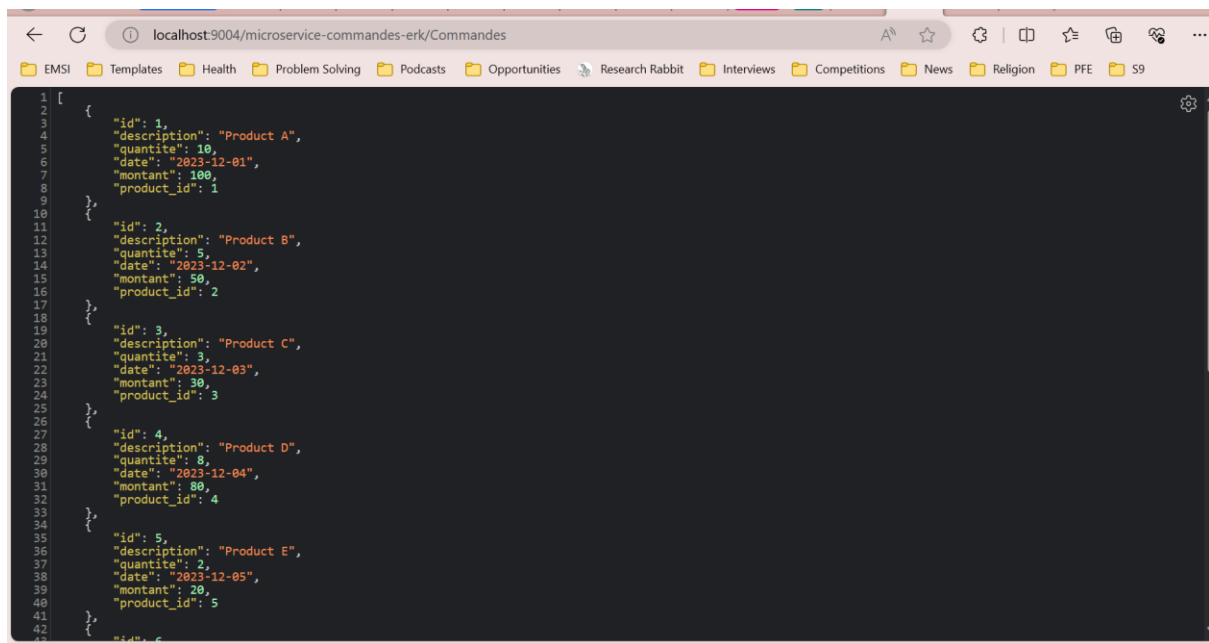
| Name | Value |
|---|---|
| total-avail-memory | 94mb |
| num-of-cpus | 8 |
| current-memory-usage | 51mb (54%) |
| server-uptime | 00:08 |
| registered-replicas | |
| unavailable-replicas | |

```json
[
    {
        "id": 1,
        "description": "Product A",
        "quantite": 10,
        "date": "2023-12-01",
        "montant": 100,
        "product_id": 1
    },
    {
        "id": 2,
        "description": "Product B",
        "quantite": 5,
        "date": "2023-12-02",
        "montant": 50,
        "product_id": 2
    },
    {
        "id": 3,
        "description": "Product C",
        "quantite": 3,
        "date": "2023-12-03",
        "montant": 30,
        "product_id": 3
    },
    {
        "id": 4,
        "description": "Product D",
        "quantite": 8,
        "date": "2023-12-04",
        "montant": 80,
        "product_id": 4
    },
    {
        "id": 5,
        "description": "Product E",
        "quantite": 2,
        "date": "2023-12-05",
        "montant": 20,
        "product_id": 5
    },
    {
        "id": 6,
```

[localhost:9004/microservice-commandes-erk/Commandes](localhost:9004/microservice-commandes-erk/Commandes)

GET http://localhost:9004/mic

http://localhost:9004/microservice-commandes-erk/Commandes

Save

GET | http://localhost:9004/microservice-commandes-erk/Commandes | Send

Params | Authorization | Headers (10) | Body | Pre-request Script | Tests | Settings | Cookies

Query Params

| Key | Value | Bulk Edit |
| --- | --- | --- |
| Key | Value | |

Body | Cookies | Headers (5) | Test Results    400 Bad Request  291 ms  1.15 KB   Save Response

Pretty | Raw | Preview | Visualize | JSON

```
 1  [
 2      {
 3          "id": 1,
 4          "description": "Product A",
 5          "quantite": 10.0,
 6          "date": "2023-12-01",
 7          "montant": 100.0,
 8          "product_id": 1
 9      },
10      {
11          "id": 2,
12          "description": "Product B",
13          "quantite": 5.0,
```



```
Run:  ZuulServerApplication

Console   Actuator

.43.234] o.s.web.servlet.DispatcherServlet        : Completed initialization in 9 ms
.43.234] c.c.c.ConfigServicePropertySourceLocator : Fetching config from server at : http://localhost:9101
.43.234] c.c.c.ConfigServicePropertySourceLocator : Located environment: name=zuul-server, profiles=[default], label=null, version=43bcf4af3b94687
-exec-5] c.netflix.config.ChainedDynamicProperty  : Flipping property: microservice-commandes-erk.ribbon.ActiveConnectionsLimit to use NEXT proper
-exec-5] c.n.u.concurrent.ShutdownEnabledTimer    : Shutdown hook installed for: NFLoadBalancer-PingTimer-microservice-commandes-erk
-exec-5] c.netflix.loadbalancer.BaseLoadBalancer  : Client: microservice-commandes-erk instantiated a LoadBalancer: DynamicServerListLoadBalancer:
-exec-5] c.n.l.DynamicServerListLoadBalancer      : Using serverListUpdater PollingServerListUpdater
-exec-5] c.netflix.config.ChainedDynamicProperty  : Flipping property: microservice-commandes-erk.ribbon.ActiveConnectionsLimit to use NEXT proper
-exec-5] c.n.l.DynamicServerListLoadBalancer      : DynamicServerListLoadBalancer for client microservice-commandes-erk initialized: DynamicServer
:defaultZone;   Total Requests:0;   Successive connection failure:0;   Total blackout seconds:0;   Last connection made:Thu Jan 01 00:00:00 WET 1
ibbon.eureka.DomainExtractingServerList@64fd7516
-exec-5] c.m.z.filters.MyZuulReponseFilter        :  *** MyZuulReponseFilter : CODE HTTP 400 ****
dater-0] c.netflix.config.ChainedDynamicProperty  : Flipping property: microservice-commandes-erk.ribbon.ActiveConnectionsLimit to use NEXT proper

Version Control  Run  TODO  Problems  Terminal  Profiler  Services  Build  Dependencies
Build completed successfully in 3 sec, 280 ms (4 minutes ago)                                        CRLF  UTF-8  4 spaces
```

# CRUD

## MODIFICATION



## RECHERCHE PAR ID

**AJOUT**



POST http://localhost:9001/Co    +    ooo

HTTP **http://localhost:9001/Commandes**                                    Save

| POST ⌄ | http://localhost:9001/Commandes | **Send** ⌄ |

Params    Authorization    Headers (10)    **Body** ●    Pre-request Script    Tests    Settings                    **Cookies**

○ none    ○ form-data    ○ x-www-form-urlencoded    ● raw    ○ binary    **JSON** ⌄                    **Beautify**

```
1  {
2      "description": "Product X_ADDED",
3      "quantite": 23.0,
4      "date": "2023-12-09",
5      "montant": 670.0,
6      "product_id": 12
7  }
```

**Body**    Cookies    Headers (5)    Test Results                    200 OK    25 ms    273 B    **Save Response** ⌄

Pretty    Raw    Preview    Visualize    JSON ⌄

```
1  {
2      "id": 13,
3      "description": "Product X_ADDED",
4      "quantite": 23.0,
5      "date": "2023-12-09",
6      "montant": 670.0,
7      "product_id": 12
8  }
```