

DÉPARTEMENT MATHÉMATIQUES ET INFORMATIQUE

# Exam Blanc

Filière :

« Génie du Logiciel et des Systèmes Informatiques Distribués »

GLSID

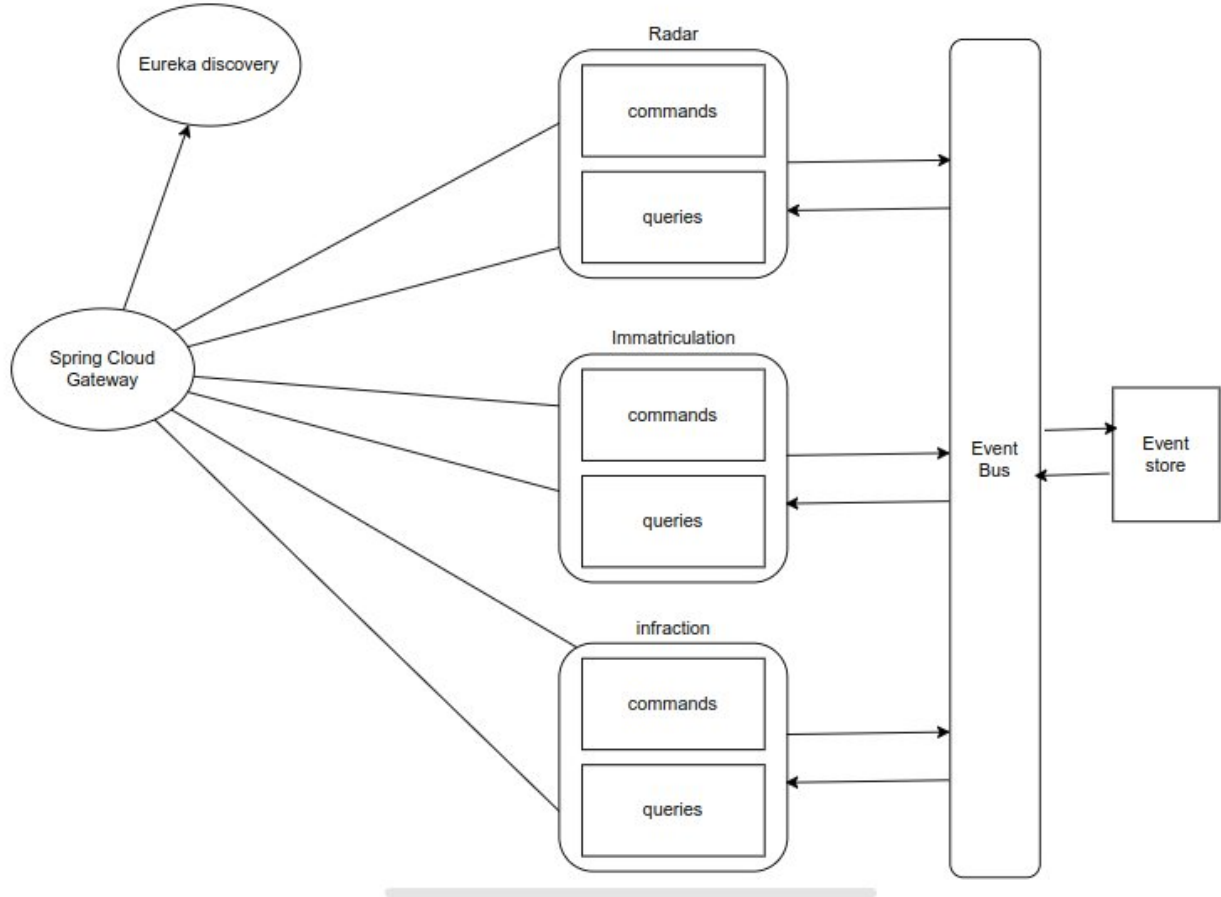
## Compte rendu Exam Blanc

Réalisé par :

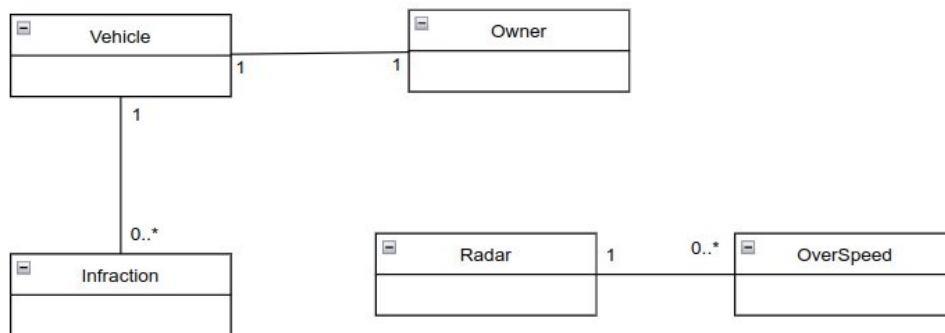
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## Architecture technique du projet :



## Diagramme de classe :



### micro-service Radar :

- ▼ radar-service-ex [boot]
  - src/main/resources
    - target/generated-sources/annotations
  - ▼ src/main/java
    - com.example.demo
      - RadarServiceExApplication.java
    - com.example.demo.commands.aggregates
      - OverSpeedMember.java
      - RadarAggregate.java
    - com.example.demo.commands.controllers
      - RadarCommandController.java
    - com.example.demo.queries.controllers
      - RadarQueryController.java
    - com.example.demo.queries.entities
      - OverSpeedDetection.java
      - Radar.java
    - com.example.demo.queries.repositories
      - OverSpeedDetectionRepository.java
      - RadarRepository.java
    - com.example.demo.queries.service
      - RadarEventHadlerService.java
      - RadarQueryHandler.java

### micro-service Immatriculation :

- ▼ commands
  - aggregates
    - VehicleRegistrationCenterAggregate.java
  - controllers
    - VehicleCommandController.java
  - queries
    - controllers
      - VehicleRegistrationQueryController.java
    - entities
      - Vehicle.java
      - VehicleOwner.java
    - repositories
      - VehicleOwnerRepository.java
      - VehicleRepository.java
    - service
      - VehicleRegistrationEventHandler.java
      - VehicleRegistrationQueryHandler.java

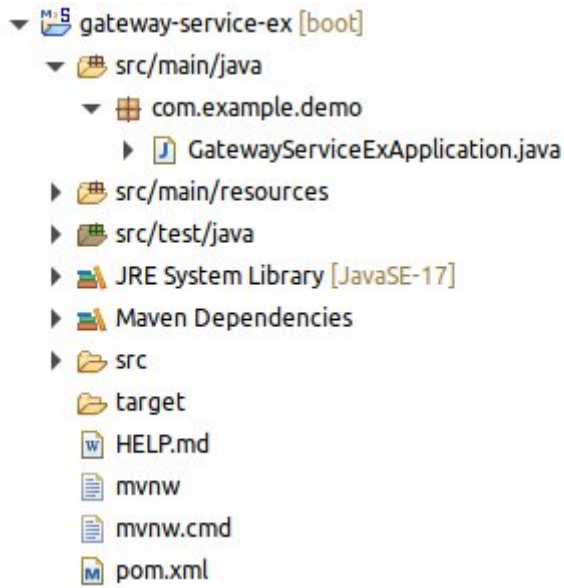
## micro-service Infractions :

- ▼ commands
  - ▼ aggregates
    - InfractionAggregate.java
  - ▼ controllers
    - InfractionCommandController.java
- ▼ queries
  - ▼ controllers
    - InfractionQueryController.java
  - ▼ entities
    - Infraction.java
    - Vehicle.java
    - VehicleOwner.java
  - ▼ repositories
    - InfractionRepository.java
    - VehicleOwnerRepository.java
    - VehicleRepository.java
  - ▼ service
    - InfractionEventHandler.java
    - InfractionQueryHandler.java
    - InfractionServiceHandler.java
- utils
  - InfractionServiceExApplication.java

## Micro service eureka :

- ▼ exam-blanc-ramli
  - ▼ eureka-service-ex [boot]
    - ▼ src/main/java
      - ▼ com.example.demo
        - EurekaServiceExApplication.java
    - src/main/resources
    - src/test/java
    - JRE System Library [JavaSE-17]
    - Maven Dependencies
    - src
    - target
    - HELP.md
    - mvnw
    - mvnw.cmd
    - pom.xml

Micro service gateway :



Eureka server :

**System Status**

Environment	test	Current time
Data center	default	Uptime
		Lease expiration enabled
		Renews threshold
		Renews (last min)

**DS Replicas**

[localhost](#)

**Instances currently registered with Eureka**

Application	AMIs	Availability Zones	Status
GATEWAY-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">192.168.1.89:gateway-servi</a>

Axon server :

```
ar@ar-X541UAK: ~/Downloads/AxonServer/AxonServer-4.6.7
ar@ar-X541UAK:~/Downloads/AxonServer/AxonServer-4.6.7$ java -jar axonserver.jar

AxonServer
Standard Edition Powered by AxonIQ

version: 4.6.7
2022-12-26 01:31:35.542 INFO 80092 --- [main] io.axoniq.axonserver.AxonServer : Starting
AxonServer using Java 1.8.0_312 on ar-X541UAK with PID 80092 (/home/ar/Downloads/AxonServer/AxonServer-4.6.7/a
xonserver.jar started by ar in /home/ar/Downloads/AxonServer/AxonServer-4.6.7)
2022-12-26 01:31:35.551 INFO 80092 --- [main] io.axoniq.axonserver.AxonServer : No active
profile set, falling back to 1 default profile: "default"
2022-12-26 01:31:42.959 INFO 80092 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat in
itialized with port(s): 8024 (http)
2022-12-26 01:31:43.340 INFO 80092 --- [main] A.i.a.a.c.MessagingPlatformConfiguration : Configura
tion initialized with SSL DISABLED and access control DISABLED.
2022-12-26 01:31:49.609 INFO 80092 --- [main] io.axoniq.axonserver.AxonServer : Axon Serv
er version 4.6.7
2022-12-26 01:32:00.392 INFO 80092 --- [main] io.axoniq.axonserver.grpc.Gateway : Axon Serv
er Gateway started on port: 8124 - no SSL
2022-12-26 01:32:00.437 INFO 80092 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat st
```

Post :

POST http://localhost:8888/RADAR-COMMAND-SERVICE/commands/radar/create

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

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   ... "longitude" : 1.00050,
3   ... "latitude" : 6.444444,
4   ... "maxSpeed" : 20
}
```

Get :

GET http://localhost:8083/query/radars/all

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE
Key	Value

Body Cookies Headers (8) Test Results

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "radarId": "e154be5e-fe75-4d2c-adeb-b3142affb2f8",
4     "longitude": 11.0005,
5     "latitude": 60.444444,
6     "maxSpeed": 40
7   },
8   {
9     "radarId": "f14e6f7a-050b-4b53-845e-c03da2b499bc",
10    "longitude": 1.0005,
11    "latitude": 6.444444,
12    "maxSpeed": 20
13  }
]
```