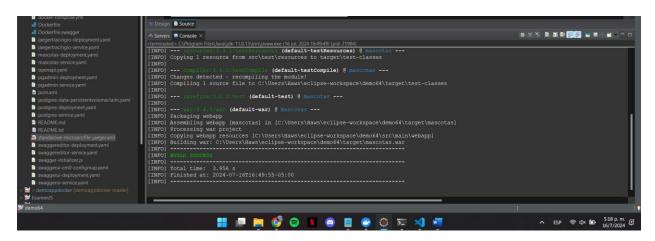
Tarea 1: Desarrollo del Microservicio en Java (30 minutos)

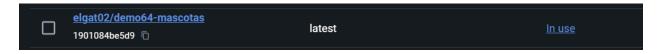
https://github.com/ElGat02/PruebaMicroservicios.git



Tarea 2: Dockerización del Microservicio y la Base de Datos (20 minutos)



Luego le hice un pull de mi repo de dockerhub



Creación del Docker File

```
| File Cells Selection View Go Run Terminal Help (+ 2) | Johnson |
```

Creación del Docker Compose YAML

Para la BD

```
| File | Edit | Selection | View | Go | Run | Terminal | Help | Care | Posenth | Care | Care
```

Para consumir el microservicio

```
| File | Edit | Selection | View | Go | Run | Terminal | Help | C -> | Proceed | Procedure | Color | Selection | Color | Color
```

Despliegue



Welcome to WildFly

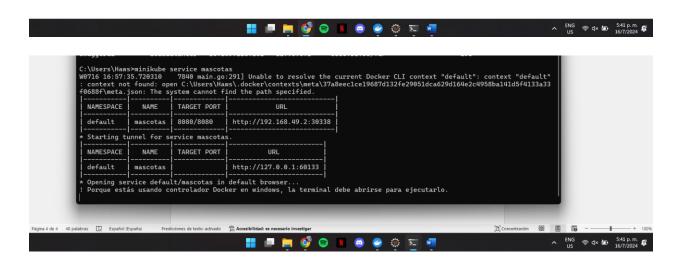
Your WildFly instance is running.

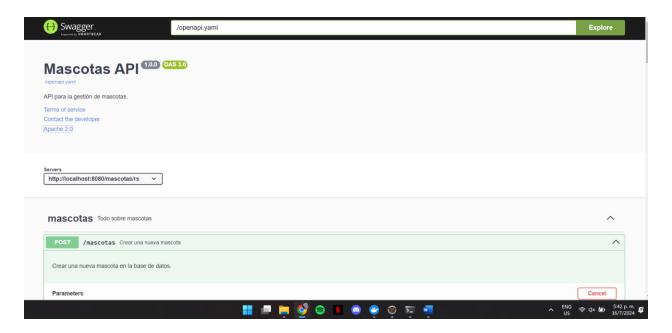
Documentation | Quickstarts | Administration Console

WildFly Project | User Forum | Report an issue

JBoss Community

To replace this page simply deploy your own war with / as its context path.



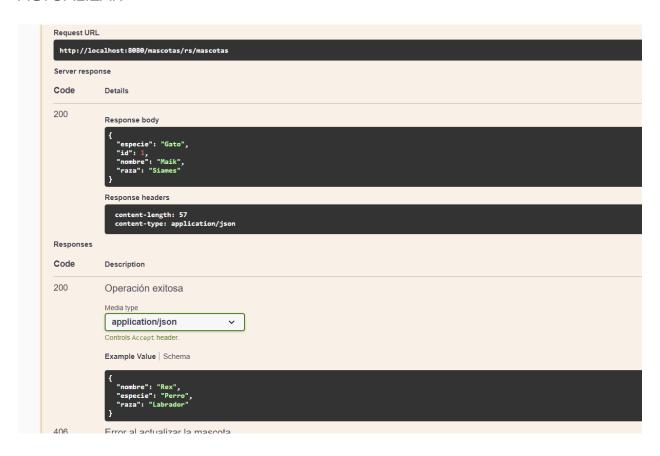


Agregar



LISTAR

ACTUALIZAR

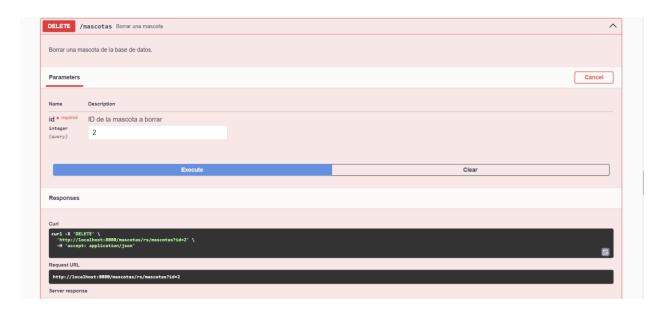


Vemos que se edito

```
## Second | Tradeor | Novitable | Intelogram | Anima | M Secolars by Marath. | ANAC | GPT |
## Request URL

| Intelogram | Novitable | Intelogram | Novitable | Intelogram | Novitable | Intelogram | In
```

Eliminar



Al listar vemos que se elimina

```
Response body

[

( "sspecie": "Perro",
    "idf': 3,
    "nonbre": "Rex",
    "raza": "Labrador"
},

( "especie": "Perro",
    "idf': 5,
    "nonbre": "Rex",
    "raza": "Labrador"
},

( "especie": "Perro",
    "idf': 5,
    "nonbre": "Rex",
    "raza": "Labrador"
},

( "especie": "Perro",
    "idf': 6,
    "nonbre": "Rex",
    "raza": "Labrador"
},

( "especie": "Perro",
    "idf': 6,
    "nonbre": "Rex",
    "raza": "Labrador"
},

( "especie": "Perro",
    "idf': 6,
    "nonbre": "Rex",
    "raza": "Labrador"
},

( "especie": "Perro",
    "idf': 6,
    "nonbre": "Rex",
    "raza": "Labrador"
},

( "especie": "Perro",
    "raza": "Labrador"
},

( "especie": "Perro",
```

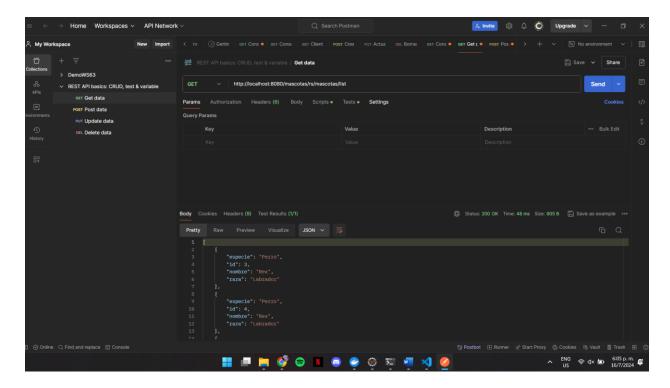
```
C:\Users\Haws>minikube service swaggerui
W0716 16:59:26.853470 10808 main.go:291] Unable to resolve the current Docker CLI context "default": context "default": context not found: open C:\Users\Haws\.docker\contexts\meta\37a8eec1ce19687d132fe29051dca629d164e2c4958ba141d5f4133a33
f0688f\meta.json: The system cannot find the path specified.
    NAMESPACE
                           NAME
                                            TARGET PORT
    default
                                            8888/8888
                                                                    http://192.168.49.2:31780
                        swaggerui
    Starting tunnel for service swaggeru
    NAMESPACE
                           NAME
                                            TARGET PORT
                                                                                   URL
    default
                        swaggerui
                                                                    http://127.0.0.1:60287
   Opening service default/swaggerui in default browser...
Porque estás usando controlador Docker en windows, la terminal debe abrirse para ejecutarlo.
```

Base de datos

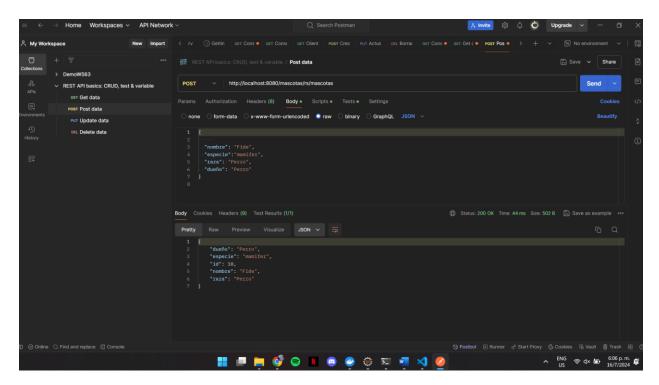


PotMan

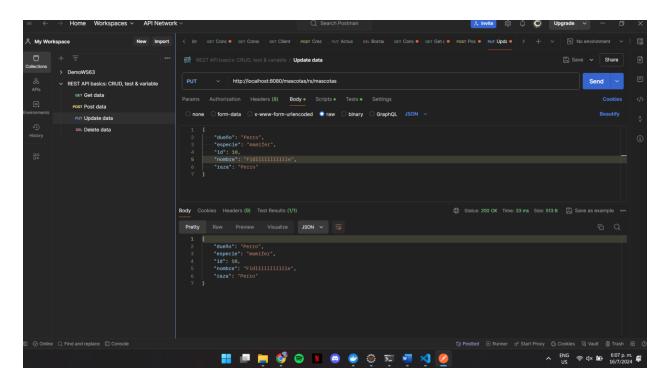
Listar



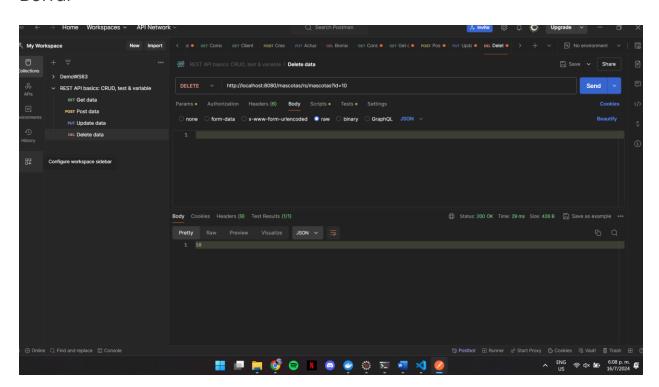
Agregar



Actualizar



Borrar



Tarea 3: Despliegue en Kubernetes (40 minutos)

Cree un archivo YAML llamado microservice-service.yaml para un Service de tipo LoadBalancer que exponga el microservicio en el puerto 8080.

```
×
    File
         Edit
               Selection View
                                    Run
                                          Terminal
                                                   Help
(1) Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage
                                                                                      Learn
                                   ! swaggerui-service.yaml X
        ! postgres-service.yaml
       C: > Users > Haws > OneDrive > Escritorio > Prue > ! swaggerui-service.yaml
               apiVersion: v1
               kind: Service
               metadata:
                 annotations:
                    kompose.cmd: kompose convert
                    kompose.version: 1.34.0 (cbf2835db)
                  labels:
                    io.kompose.service: swaggerui
品
                 name: swaggerui
               spec:
         11
                  type: LoadBalancer
12
                  ports:
                    - name: "8888"
                      port: 8888
                      targetPort: 8080
                  selector:
                    io.kompose.service: swaggerui
```

Puesto de tipo LoadBalancer

```
ClusterIP
                                                                  5432/TCP
postgres
                                  10.103.61.235
                                                   <none>
                                  10.102.190.112
                                                   127.0.0.1
swaggereditor
                  LoadBalancer
                                                                  9999:30247/TCP
swaggerui
                  LoadBalancer
                                  10.109.126.102
                                                   127.0.0.1
                                                                  8888:31780/TCP
C:\Users\Haws>minikube service mascotas
```

Cree un archivo YAML llamado database-service.yaml para un Service de tipo ClusterIP que permita al microservicio comunicarse con la base de datos.

```
! postgres-service.yaml X
C: > Users > Haws > OneDrive > Escritorio > Prue > ! postgres-service.yaml
       apiVersion: v1
       kind: Service
       metadata:
         annotations:
           kompose.cmd: kompose convert
           kompose.version: 1.34.0 (cbf2835db)
         labels:
            io.kompose.service: postgres
         name: postgres
 10
       spec:
 11
         ports:
            - name: "5432"
 12
 13
              port: 5432
 14
              targetPort: 5432
 15
         selector:
           io.kompose.service: postgres
 17
```

Puesto Como cluster

```
5432/TCP
postgres
                  ClusterIP
                                  10.103.61.235
                                                   <none>
                                  10.102.190.112
                                                   127.0.0.1
swaggereditor
                  LoadBalancer
                                                                 9999:30247/TCP
                                  10.109.126.102
                                                   127.0.0.1
                                                                 8888:31780/TCP
swaggerui
                  LoadBalancer
C:\Users\Haws>minikube service mascotas
```

Escalado de las replicas

