

# Proyecto final: Gestión de Eventos & Participantes

## Integrantes del Grupo 6:

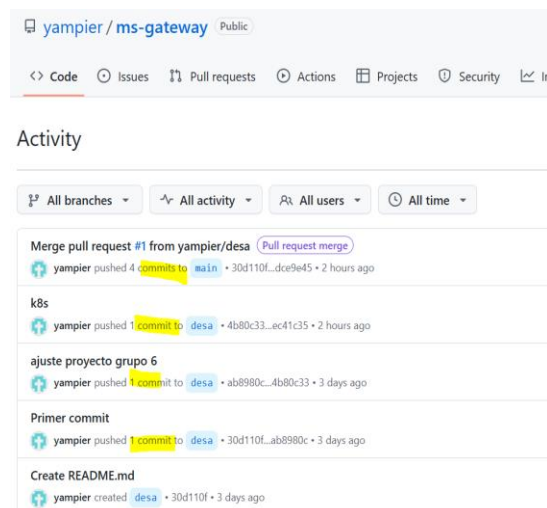
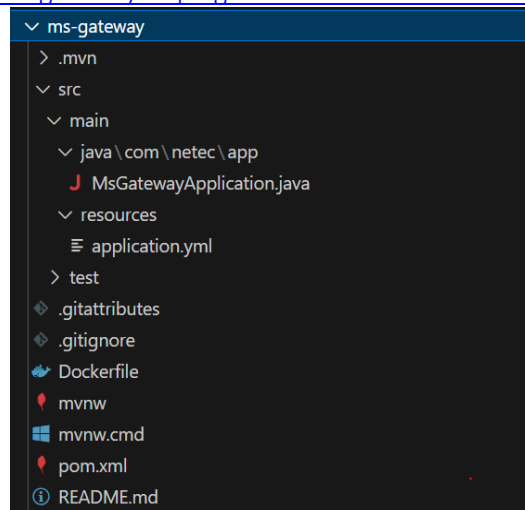
- ❖ Garcia Alvarez Jean Pierre
- ❖ Yugar Ladines Jose Alberto
- ❖ Ambia Hurtado Waldo Alfredo
- ❖ Reynoso Bernachea John Eduard

### 1. Código Fuente

#### 1. Repositorios de Microservicios:

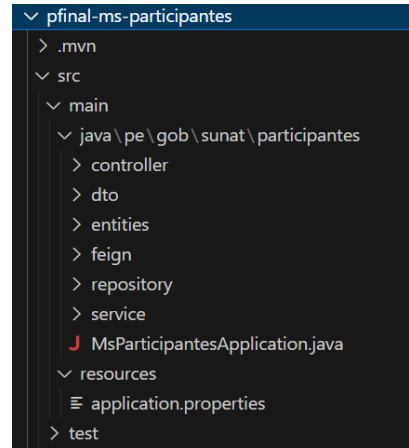
##### MS-Gateway:

[GitHub - yampier/ms-gateway: repo g6 docker & kubernetes intermedio](https://github.com/yampier/ms-gateway)



## MS-Participantes:

[GitHub - yampier/pfinal-ms-participantes](https://github.com/yampier/pfinal-ms-participantes): Repositorio de código fuente del proyecto final de participantes grupo 6



19/5/25, 19:25

Activity · yampier/pfinal-ms-participantes · GitHub

yampier / pfinal-ms-participantes (Public)

<> Code Issues Pull requests 1 Actions Projects Security Insights

### Activity

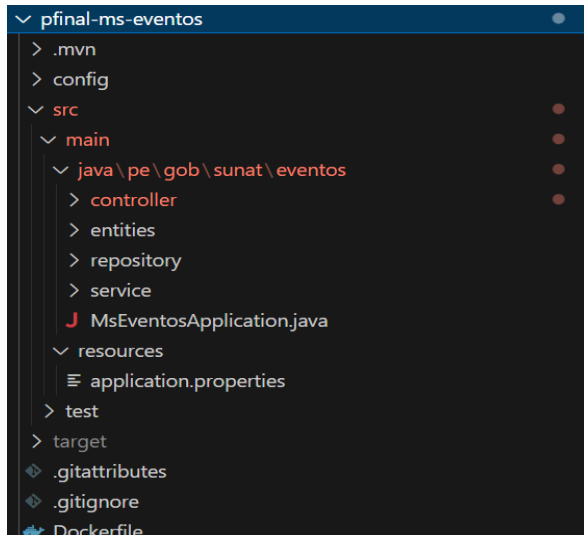
All branches All activity All users All time

Showing most recent first

|                                                                      |     |
|----------------------------------------------------------------------|-----|
| Actualiza para Srping Boot Kubernetes                                | ... |
| walomalo pushed 1 commit to desa • 7035816...e46e3d4 • 2 days ago    |     |
| Actualización del compose con una db y dos schemas                   | ... |
| walomalo pushed 1 commit to compose • 4940464...747be3b • 2 days ago |     |
| cambios k8s                                                          | ... |
| yampier pushed 1 commit to desa • 7aae999...7035816 • 2 days ago     |     |
| arhchivos compose                                                    | ... |
| yampier pushed 1 commit to compose • 7aae999...4940464 • 4 days ago  |     |
| docker compose                                                       | ... |
| yampier created compose • 7aae999 • 4 days ago                       |     |
| docker compose                                                       | ... |
| yampier pushed 1 commit to desa • 493e753...7aae999 • 4 days ago     |     |
| Generacion de 1ra version de la imagen.                              | ... |
| jyugar2023 created desa_jyugar • 5724969 • 5 days ago                |     |
| avance parti                                                         | ... |

## MS-Eventos:

[GitHub - yampier/pfinal-ms-eventos: Repositorio de código fuente del proyecto final del ms eventos grupo 6](https://github.com/yampier/pfinal-ms-eventos)















19/9/25, 19:32 Activity • yampier/pfinal-ms-eventos • GitHub

yampier / pfinal-ms-eventos [Public](#)

<> Code Issues Pull requests Actions Projects Security Insights

### Activity

[🔍 All branches](#) [👤 All activity](#) [👤 All users](#) [🕒 All time](#) Showing most recent first

|                                                                                                                                                                         |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Se crearon los archivos yaml para la configuración                                                                                                                      | ... |
|  walomalo pushed 1 commit to <a href="#">desa</a> • 5cf2ddd...349f1b6 • 2 days ago   |     |
| cambios k8s                                                                                                                                                             | ... |
|  yampier pushed 1 commit to <a href="#">desa</a> • c862f5e...5cf2ddd • 2 days ago    |     |
| archivos compose:                                                                                                                                                       | ... |
|  yampier pushed 1 commit to <a href="#">compose</a> • c862f5e...8eea159 • 4 days ago |     |
| ajustes para docker compose                                                                                                                                             | ... |
|  yampier created <a href="#">compose</a> • c862f5e • 4 days ago                      |     |
| ajustes para docker compose                                                                                                                                             | ... |
|  yampier pushed 1 commit to <a href="#">desa</a> • 4eed6b8...c862f5e • 4 days ago    |     |
| Generacion de 1ra version de la imagen.                                                                                                                                 | ... |
|  jyugar2023 created <a href="#">desa_jyugar</a> • 68f9e18 • 5 days ago               |     |
| crud eventos                                                                                                                                                            | ... |
|  yampier pushed 1 commit to <a href="#">desa</a> • 4d4ecb3...4eed6b8 • 12 days ago   |     |
| init                                                                                                                                                                    | ... |
|  yampier pushed 1 commit to <a href="#">desa</a> • 6ae4d86...4d4ecb3 • 18 days ago   |     |
| Create README.md                                                                                                                                                        | ... |
|  yampier created <a href="#">desa</a> • 6ae4d86 • 18 days ago                        |     |
| Deleted branch                                                                                                                                                          | ... |
|  yampier deleted <a href="#">desa</a> • 18 days ago                                  |     |
| comentario                                                                                                                                                              | ... |
|  yampier pushed 1 commit to <a href="#">desa</a> • 6ae4d86...1109ae3 • 18 days ago   |     |
| Create README.md                                                                                                                                                        | ... |
|  yampier created <a href="#">desa</a> • 6ae4d86 • 18 days ago                        |     |

<https://github.com/yampier/pfinal-ms-eventos/activity>

## 2. Artefactos Contenerizados

### 1. Imágenes Docker:

- Imágenes Docker de ambos microservicios, construidas y publicadas en un repositorio como Docker Hub.

#### Images

[Give feedback](#)

View and manage your local and Docker Hub images. [Learn more](#)

Local

Hub repositories

jean1988

Search

[View Scout c](#)

|                           | Tags | OS | Vulnerabilities | Last pushed | Size      |
|---------------------------|------|----|-----------------|-------------|-----------|
| jean1988/ms-participantes | 1.6  |    | Inactive        | 3 days ago  | 341.75 MB |
|                           | 1.5  |    | Inactive        | 3 days ago  | 341.75 MB |
|                           | 1.4  |    | Inactive        | 3 days ago  | 341.75 MB |
|                           | 1.3  |    | Inactive        | 3 days ago  | 311.19 MB |
|                           | 1.2  |    | Inactive        | 3 days ago  | 311.19 MB |
| jean1988/ms-gateway       | 1.1  |    | Inactive        | 3 days ago  | 297.89 MB |
|                           | 1.0  |    | Inactive        | 7 days ago  | 297.89 MB |
| jean1988/ms-eventos       | 1.3  |    | Inactive        | 3 days ago  | 341.33 MB |
|                           | 1.2  |    | Inactive        | 3 days ago  | 302.63 MB |

## Los Dockerfile en el git

pfinal-ms-eventos / Dockerfile



yampier ajustes para docker compose

Code

Blame

6 lines (6 loc) · 184 Bytes

```
1 FROM openjdk:21-jdk-slim
2 WORKDIR /app
3 COPY target/ms-eventos-0.0.1-SNAPSHOT.jar app.jar
4 EXPOSE 9084
5 RUN apt-get update && apt-get install -y curl
6 ENTRYPOINT ["java", "-jar", "app.jar"]
```

ms-gateway / Dockerfile



yampier Primer commit


Code

Blame

14 lines (10 loc) · 318 Bytes

```
1 # 1. Imagen base.
2 FROM openjdk:21-jdk-slim
3
4 # 2. Establecer el directorio de trabajo.
5 WORKDIR /app
6
7 # 3. Copiar el archivo JAR generado.
8 COPY target/ms-gateway-0.0.1-SNAPSHOT.jar app.jar
9
10 # 4. Exponer el puerto utilizado por el microservicio.
11 EXPOSE 9099
12
13 # 5. Comando de inicio.
14 ENTRYPOINT ["java", "-jar", "app.jar"]
```

pfinal-ms-participantes / Dockerfile 

 yampier docker compose

Code Blame 6 lines (6 loc) · 200 Bytes

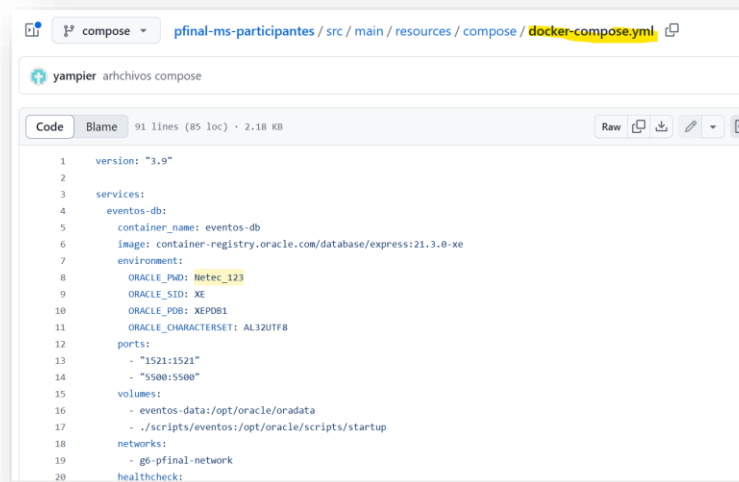
```
1 FROM openjdk:21-jdk-slim
2 WORKDIR /app
3 COPY target/ms-participantes-0.0.1-SNAPSHOT.jar app.jar
4 EXPOSE 9081
5 RUN apt-get update && apt-get install -y curl
6 ENTRYPOINT ["java", "-jar", "app.jar"]
```

## 2. Docker Compose:

- Archivo docker-compose.yml para levantar ambos microservicios junto con sus bases de datos en un entorno de desarrollo local.

[GitHub - yampier/pfinal-ms-participantes at compose](#)

[GitHub - yampier/pfinal-ms-eventos at compose](#)



- Captura de pantalla que muestre la salida del comando docker-compose up -d

```
PS C:\Users\Wetec\Documents\g6-pfinal-compose> docker-compose up -d
time="2025-05-14T18:58:44-06:00" level=warning msg="C:\Users\Wetec\Documents\g6-pfinal-compose\docker-compose.yml: the attribute 'version' is
obsolete, it will be ignored, please remove it to avoid potential confusion"
[*] Running 7/7
✓ Network g6-pfinal-compose_g6-pfinal-network Created 0.1s
✓ Volume "g6-pfinal-compose_participantes-data" Created 0.1s
✓ Volume "g6-pfinal-compose_eventos-data" Created 0.1s
✓ Container eventos-container Started 470.8s
✓ Container participantes-container Started 470.8s
✓ Container ms-eventos Started 37.7s
✓ Container ms-participantes Started 37.4s
```

```
D:\Kubernetes\pfinal-ms-eventos\src\main\resources\compose>docker-compose up -d
[+] Running 14/14
✓ eventos-db Pulled 943.2s
✓ participantes-db Pulled 943.3s
✓ 2318ff572021 Pull complete 90.9s
✓ c6250726c822 Pull complete 91.0s
✓ 33ac5ea7f7dd Pull complete 779.7s
✓ 753e0fae7e64 Pull complete 939.7s
✓ ms-participantes Pulled 51.8s
✓ a803e7c4b030 Pull complete 13.3s
✓ b4972576c83d Pull complete 13.8s
✓ af800cd8441e Pull complete 48.4s
✓ b9af803af712 Pull complete 48.4s
✓ 8a06bc539db6 Pull complete 49.0s
✓ ms-eventos Pulled 51.7s
✓ 446321a36b1b Pull complete 48.9s
[+] Running 6/6
✓ Volume "compose_participantes-data" Created 0.0s
✓ Volume "compose_eventos-data" Created 0.0s
✓ Container eventos-db Healthy 17.6s
✓ Container participantes-db Healthy 17.6s
✓ Container ms-eventos Started 7.5s
✓ Container ms-participantes Started 7.4s
D:\Kubernetes\pfinal-ms-eventos\src\main\resources\compose>
```


- Captura de pantalla que muestre la salida del comando `docker-compose ps`, verificando que los contenedores y recursos definidos en el archivo `docker-compose.yml` se hayan creado correctamente y estén en ejecución según lo esperado.



```
PS C:\Users\Netec\Documents\g6-pfinal-compose>docker-compose ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS
fc90116875fa   ms-eventos:1.1                     "java -jar app.jar"     About a minute ago Up 46 seconds
0.0.0.0:9084->9084/tcp
5b1b7479763a   ms-participantes:1.1              "java -jar app.jar"     About a minute ago Up 46 seconds
0.0.0.0:9081->9081/tcp
6d8c02a1c32b   container-registry.oracle.com/database/express:21.3.0-xe "/bin/bash -c $ORACL..." 8 minutes ago   Up About a minute (health:
starting)    0.0.0.0:1522->1521/tcp, 0.0.0.0:5501->5500/tcp participantes-container
db02a299ecb4   container-registry.oracle.com/database/express:21.3.0-xe "/bin/bash -c $ORACL..." 8 minutes ago   Up About a minute (health:
starting)    0.0.0.0:1521->1521/tcp, 0.0.0.0:5500->5500/tcp eventos-container
```





### 3. Configuración para Kubernetes

#### 1. Archivos YAML:


[pfinal-ms-participantes/src/main/resources/k8s at main · yampier/pfinal-ms-participantes · GitHub](#)



[pfinal-ms-participantes](#) / [src](#) / [main](#) / [resources](#) / [k8s](#) / 





 **yampier** `yaml k8s` b4bc20b · 3 hours ago  **History**

| Name                                                                                                                            | Last commit message   | Last commit date |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------|
|  ..                                            |                       |                  |
|  <code>configmap-ms-participantes.yaml</code>  | <code>yaml k8s</code> | 3 hours ago      |
|  <code>deployment-ms-participantes.yaml</code> | <code>yaml k8s</code> | 3 hours ago      |
|  <code>service-ms-participantes.yaml</code>    | <code>yaml k8s</code> | 3 hours ago      |


[pfinal-ms-eventos/src/main/resources/k8s at main · yampier/pfinal-ms-eventos · GitHub](#)



[pfinal-ms-eventos](#) / [src](#) / [main](#) / [resources](#) / [k8s](#) / 




 **yampier** `k8s` 43f9425 · 2 hours ago  **History**

| Name                                                                                                                        | Last commit message | Last commit date |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
|  ..                                      |                     |                  |
|  <code>configmap-ms-eventos.yaml</code>  | <code>k8s</code>    | 2 hours ago      |
|  <code>deployment-ms-eventos.yaml</code> | <code>k8s</code>    | 2 hours ago      |
|  <code>service-ms-eventos.yaml</code>    | <code>k8s</code>    | 2 hours ago      |

[ms-gateway/src/main/resources/k8s at main · yampier/ms-gateway · GitHub](#)

[ms-gateway](#) / [src](#) / [main](#) / [resources](#) / [k8s](#) / 

 **yampier** `k8s` ec41c35 · 2 hours ago  **History**

| Name                                                                                                                        | Last commit message | Last commit date |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
|  ..                                      |                     |                  |
|  <code>deployment-ms-gateway.yaml</code> | <code>k8s</code>    | 2 hours ago      |
|  <code>service-ms-gateway.yaml</code>    | <code>k8s</code>    | 2 hours ago      |

## 4. Bases de Datos

### 1. Scripts de Inicialización:

- Scripts SQL para inicializar las bases de datos con tablas necesarias y datos de prueba.

```
ALTER SESSION SET CONTAINER = XEPDB1;

CREATE USER dkuser IDENTIFIED BY dkpassword;
GRANT CONNECT, RESOURCE TO dkuser;
ALTER USER dkuser QUOTA UNLIMITED ON users;

-- Cambiar al esquema del usuario recién creado
ALTER SESSION SET CURRENT_SCHEMA = DKUSER;

-- Crear la tabla en el esquema DKUSER
CREATE TABLE EVENTO (
  CODIGO_EVENTO VARCHAR(20) PRIMARY KEY,
  NOMBRE VARCHAR(255) NOT NULL,
  DESCRIPCION VARCHAR(255),
  FECHA_HORA TIMESTAMP NOT NULL,
  UBICACION VARCHAR(255) NOT NULL,
  CAPACIDAD_MAXIMA INT NOT NULL
);

-- Datos iniciales
INSERT INTO EVENTO (CODIGO_EVENTO, NOMBRE, DESCRIPCION, FECHA_HORA, UBICACION, CAPACIDAD_MAXIMA)
VALUES ('EVT202505141', 'Conferencia Tech', 'Evento tecnológico', TO_TIMESTAMP('2025-06-20 10:00:00', 'YYYY-MM-DD HH24:MI:SS'), 'Lima', 100);

COMMIT;
```

```
ALTER SESSION SET CONTAINER = XEPDB1;

CREATE USER dkuser IDENTIFIED BY dkpassword;
GRANT CONNECT, RESOURCE TO dkuser;
ALTER USER dkuser QUOTA UNLIMITED ON users;

-- Cambiar al esquema del usuario recién creado
ALTER SESSION SET CURRENT_SCHEMA = DKUSER;

CREATE TABLE PARTICIPANTE (
  DNI VARCHAR(8) PRIMARY KEY,
  NOMBRE VARCHAR(255) NOT NULL,
  EMAIL VARCHAR(255) NOT NULL
);

CREATE TABLE INSCRIPCION (
  ID NUMBER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,
  DNI_PARTICIPANTE VARCHAR2(8) NOT NULL,
  EVENTO_ID VARCHAR(20) NOT NULL,
  FOREIGN KEY (DNI_PARTICIPANTE) REFERENCES PARTICIPANTE(DNI),
  UNIQUE (DNI_PARTICIPANTE)
);

-- Datos iniciales
INSERT INTO PARTICIPANTE (DNI, NOMBRE, EMAIL) VALUES ('45168670', 'Ana Torres', 'ana@example.com');
INSERT INTO PARTICIPANTE (DNI, NOMBRE, EMAIL) VALUES ('44467619', 'Luis Pérez', 'luis@example.com');

COMMIT;
```

### 2. Volúmenes:

- Configuración de volúmenes en Kubernetes para garantizar la persistencia de los datos.

```
ports:
  - "1522:1521"
  - "5501:5500"
volumes:
  - pfinal-data:/opt/oracle/oradata
  - ./scripts/participantes:/opt/oracle/scripts/startup
  - ./scripts/eventos:/opt/oracle/scripts/startup
networks:
  - g6-pfinal-network
```

## 5. Documentación



## 1. Manual de Despliegue:

- Pasos detallados para:
  - Contenerizar y construir las imágenes.

Compilacion de MS's:

.\mvnw clean install "-Dmaven.test.skip=true"

```
[INFO] PS C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos> .\mvnw clean install "-Dmaven.test.skip=true"
[INFO] Scanning for projects...
[INFO] -----< pe.gob.sunat:ms-eventos >-----
[INFO] Building ms-eventos 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO] --- clean:3.3.2:clean (default-clean) @ ms-eventos ---
[INFO] Deleting C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos\target
[INFO] --- resources:3.3.1:resources (default-resources) @ ms-eventos ---
[INFO] Copying 1 resource from src/main/resources to target/classes
[INFO] Copying 0 resource from src/main/resources to target/classes
[INFO] --- compiler:3.13.0:compile (default-compile) @ ms-eventos ---
[INFO] Recompiling the module because of changed source code.
[INFO] Compiling 6 source files with javac [debug parameters release 21] to target\classes
[INFO] --- resources:3.3.1:testResources (default-testResources) @ ms-eventos ---
[INFO] Not copying test resources
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ ms-eventos ---
[INFO] Not compiling test sources
[INFO] --- surefire:3.2.5:test (default-test) @ ms-eventos ---
[INFO] Tests are skipped.
[INFO] --- jar:3.4.2:jar (default-jar) @ ms-eventos ---
[INFO] Building jar: C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos\target\ms-eventos-0.0.1-SNAPSHOT.jar
[INFO] --- spring-boot:3.3.11:repackage (repackage) @ ms-eventos ---
[INFO] Replacing main artifact C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos\target\ms-eventos-0.0.1-SNAPSHOT.jar with
repackaged archive, adding nested dependencies in BOOT-INF/.
[INFO] The original artifact has been renamed to C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos\target\ms-eventos-0.0.1-SNAPSHOT.jar.original
[INFO] --- install:3.1.4:install (default-install) @ ms-eventos ---
[INFO] Installing C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos\pom.xml to C:\Users\Wetec\.m2\repository\pe\gob\sunat\ms-eventos\0.0.1-SNAPSHOT\ms-eventos-0.0.1-SNAPSHOT.pom
[INFO] Installing C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos\target\ms-eventos-0.0.1-SNAPSHOT.jar to C:\Users\Wetec\.m2\repository\pe\gob\sunat\ms-eventos\0.0.1-SNAPSHOT\ms-eventos-0.0.1-SNAPSHOT.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 5.551 s
[INFO] Finished at: 2025-05-13T15:35:54-06:00
[INFO] -----
PS C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos>
```

```

PS C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes> .\mvnw clean install "-Dmaven.test.skip=true"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< pe.gob.sunat:ms-participantes >-----
[INFO] Building ms-participantes 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- clean:3.3.2:clean (default-clean) @ ms-participantes ---
[INFO] Deleting C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ ms-participantes ---
[INFO] Copying 1 resource from src/main/resources to target/classes
[INFO] Copying 0 resource from src/main/resources to target/classes
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ ms-participantes ---
[INFO] Recompiling the module because of changed source code.
[INFO] Compiling 12 source files with javac [debug parameters release 21] to target/classes
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ ms-participantes ---
[INFO] Not copying test resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ ms-participantes ---
[INFO] Not compiling test sources
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ ms-participantes ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- jar:3.4.2:jar (default-jar) @ ms-participantes ---
[INFO] Building jar: C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes\target\ms-participantes-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot:3.3.11:repackage (repackage) @ ms-participantes ---
[INFO] Replacing main artifact C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes\target\ms-participantes-0.0.1-SNAPSHOT.jar with repackaged archive, adding nested dependencies in BOOT-INF/.
[INFO] The original artifact has been renamed to C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes\target\ms-participantes-0.0.1-SNAPSHOT.jar.original
[INFO]
[INFO] --- install:3.1.4:install (default-install) @ ms-participantes ---
[INFO] Installing C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes\pom.xml to C:\Users\Wetec\.m2\repository\pe\gob\
sunat\ms-participantes\0.0.1-SNAPSHOT\ms-participantes-0.0.1-SNAPSHOT.pom
[INFO] Installing C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes\target\ms-participantes-0.0.1-SNAPSHOT.jar to C:\
Users\Wetec\.m2\repository\pe\gob\sunat\ms-participantes\0.0.1-SNAPSHOT\ms-participantes-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 6.104 s
[INFO] Finished at: 2025-05-13T15:37:14-06:00
[INFO]

```

Generación de imágenes

docker build -t ms-eventos:1.0 .

```

PS C:\Users\Wetec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos> docker build -t ms-eventos:1.0 .
[+] Building 19.2s (8/8) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile              0.3s
=> => transferring dockerfile: 181B                             0.1s
=> [internal] load metadata for docker.io/library/openjdk:21-jdk-slim 0.3s
=> [internal] load .dockerignore                                0.2s
=> => transferring context: 2B                                    0.0s
=> [1/3] FROM docker.io/library/openjdk:21-jdk-slim@sha256:7072053847a8a05d7f3a14ebc778a90b38c50ce7e8f199382128a53385160688 0.3s
=> => resolve docker.io/library/openjdk:21-jdk-slim@sha256:7072053847a8a05d7f3a14ebc778a90b38c50ce7e8f199382128a53385160688 0.3s
=> [internal] load build context                                8.4s
=> => transferring context: 52.79MB                             8.0s
=> CACHED [2/3] WORKDIR /app                                    0.0s
=> [3/3] COPY target/ms-eventos-0.0.1-SNAPSHOT.jar app.jar      2.3s
=> exporting to image                                           5.9s
=> => exporting layers                                          4.3s
=> => exporting manifest sha256:f3f3bc5ba4f75e28191e72b23e93f60586bf0857ba808adc5eccdfeab65d1fa4 0.1s
=> => exporting config sha256:9b45a97cf0f1cc94c42632a8316b67022bf1985a128c272d19291f938f9dcf54 0.1s
=> => exporting attestation manifest sha256:0e8c4192dddc4f1d93014ef8e9681e217ee054d3542d11896eebe9aa1951f9a7 0.1s
=> => exporting manifest list sha256:2035245bd472e6b14eebfff003bf3234b6de8929b9f8683dfcb35c19b64ffe84 0.1s
=> => naming to docker.io/library/ms-eventos:1.0              0.0s
=> => unpacking to docker.io/library/ms-eventos:1.0           1.0s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/28xaycrpw3jvy2oy8e2t2qmvmv

```

docker build -t ms-participantes:1.0 .

```
PS C:\Users\Netec\Documents\workspace-spring-tool-suite\pfinal-ms-participantes> docker build -t ms-participantes:1.0 .
[+] Building 30.7s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 187B
=> [internal] load metadata for docker.io/library/openjdk:21-jdk-slim
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 62.61MB
=> [1/3] FROM docker.io/library/openjdk:21-jdk-slim@sha256:7072053847a8a05d7f3a14ebc778a90b38c50ce7e8f199382128a53385160688
=> => resolve docker.io/library/openjdk:21-jdk-slim@sha256:7072053847a8a05d7f3a14ebc778a90b38c50ce7e8f199382128a53385160688
=> CACHED [2/3] WORKDIR /app
=> [3/3] COPY target/ms-participantes-0.0.1-SNAPSHOT.jar app.jar
=> exporting to image
=> => exporting layers
=> => exporting manifest sha256:808ca97f8e6b88a333cbae7a359c77285216f32b52854eb27fc8fe7b98cd4bd6
=> => exporting config sha256:2bdc25dce15f2f45b0c0eff4c5bea7946118bb881ac8cf928882752434b161b5
=> => exporting attestation manifest sha256:c7de80e34366420fcee4dc0ff9dde4fb1d5b3bb262f1419bdc0b5bdb0dc86d8
=> => exporting manifest list sha256:ae9c27b7b9235e2c6684505a4fb7fcb844854c2ff263f8148ff1169bf931f8dc
=> => naming to docker.io/library/ms-participantes:1.0
=> => unpacking to docker.io/library/ms-participantes:1.0
```

Imágenes generadas

docker image ls

| REPOSITORY       | TAG | IMAGE ID     | CREATED            | SIZE  |
|------------------|-----|--------------|--------------------|-------|
| ms-participantes | 1.0 | ae9c27b7b923 | About a minute ago | 808MB |
| ms-eventos       | 1.0 | 2035245bd472 | 5 minutes ago      | 789MB |

Subir las imágenes a Docker Hub

Loguearse

docker login

```
PS C:\Users\Netec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos> docker login
Authenticating with existing credentials...
Login Succeeded
```

Etiquetar las imágenes

docker tag ms-eventos:1.0 jyugar/ms-eventos:1.0

docker tag ms-participantes:1.0 jyugar/ms-participantes:1.0

docker image ls

```
PS C:\Users\Netec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos> docker tag ms-eventos:1.0 jyugar/ms-eventos:1.0
PS C:\Users\Netec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos> docker tag ms-participantes:1.0 jyugar/ms-participantes:1.0
PS C:\Users\Netec\Documents\workspace-spring-tool-suite\pfinal-ms-eventos> docker image ls
```

| REPOSITORY              | TAG | IMAGE ID     | CREATED        | SIZE  |
|-------------------------|-----|--------------|----------------|-------|
| jyugar/ms-participantes | 1.0 | ae9c27b7b923 | 8 minutes ago  | 808MB |
| ms-participantes        | 1.0 | ae9c27b7b923 | 8 minutes ago  | 808MB |
| jyugar/ms-eventos       | 1.0 | 2035245bd472 | 12 minutes ago | 789MB |
| ms-eventos              | 1.0 | 2035245bd472 | 12 minutes ago | 789MB |

Images [Give feedback](#)

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LocalHub repositories

jyugar

Q Search

|                         | Tags | OS | Vulnerabilities | Last pushed    | Size      |
|-------------------------|------|----|-----------------|----------------|-----------|
| jyugar/ms-eventos       | 1.0  |    | Inactive        | 37 minutes ago | 284.94 MB |
| jyugar/ms-participantes | 1.0  |    | Inactive        | 46 minutes ago | 293.51 MB |

- Desplegar en Kubernetes utilizando los manifiestos YAML.

```
mnadmin@Master:~$ kubectl get configmap
```

| NAME                    | DATA | AGE  |
|-------------------------|------|------|
| kube-root-ca.crt        | 1    | 83d  |
| ms-deseos-config        | 3    | 19d  |
| ms-eventos-config       | 8    | 3d7h |
| ms-participantes-config | 9    | 3d7h |
| ms-productos-config     | 8    | 7d   |
| oracle-init-scripts     | 2    | 83d  |
| test-config             | 1    | 21d  |

```
mnadmin@Master:~$ kubectl get deployment
```

| NAME             | READY | UP-TO-DATE | AVAILABLE | AGE   |
|------------------|-------|------------|-----------|-------|
| ms-deseos        | 0/0   | 0          | 0         | 19d   |
| ms-eventos       | 1/1   | 1          | 1         | 3d7h  |
| ms-gateway       | 1/1   | 1          | 1         | 6d23h |
| ms-participantes | 1/1   | 1          | 1         | 2d22h |
| ms-productos     | 0/0   | 0          | 0         | 6d23h |
| nginx            | 1/1   | 1          | 1         | 21d   |
| oracle-db        | 1/1   | 1          | 1         | 83d   |

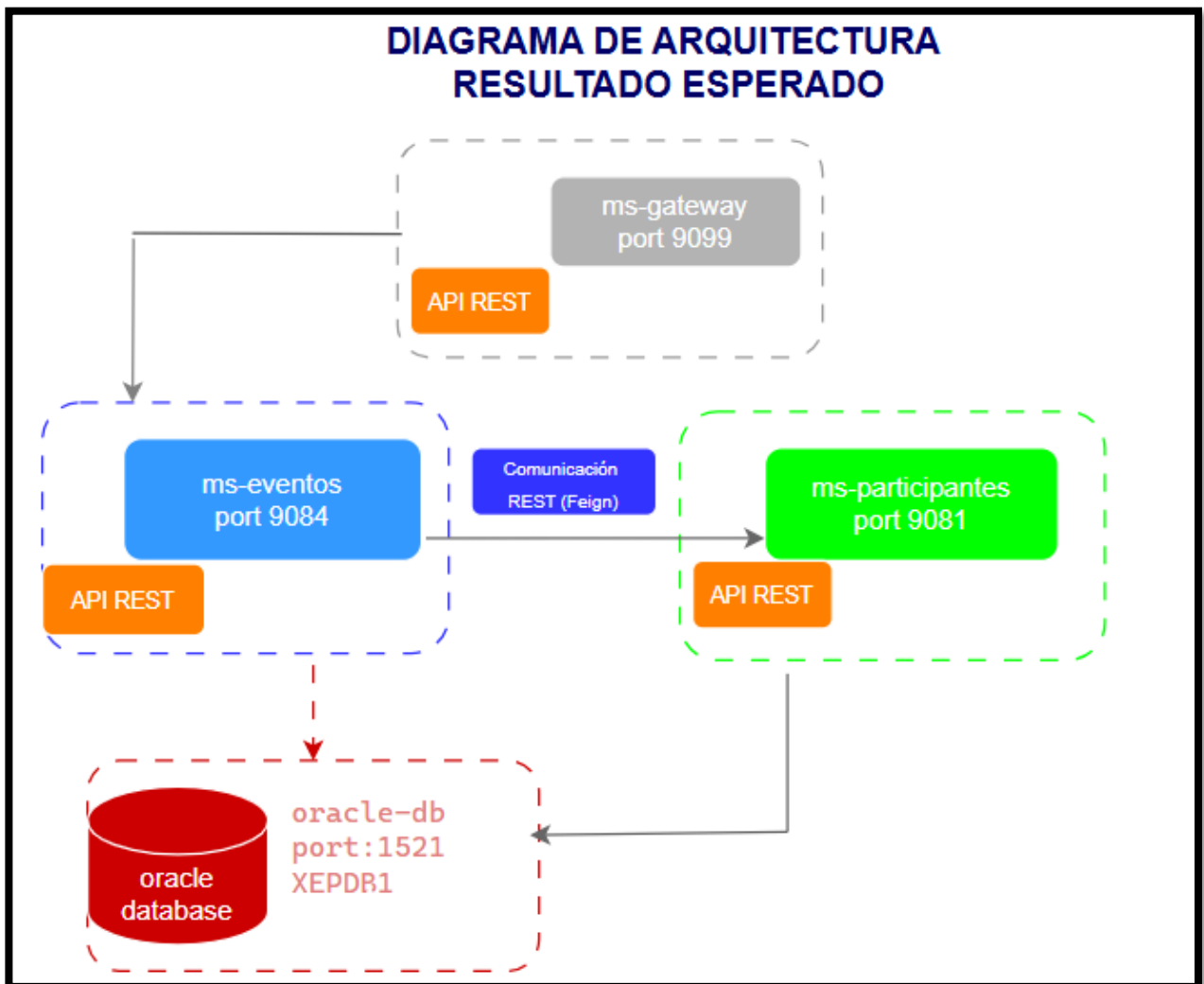
```
mnadmin@Master:~$ kubectl get services
```

| NAME               | TYPE         | CLUSTER-IP    | EXTERNAL-IP | PORT(S)        | AGE   |
|--------------------|--------------|---------------|-------------|----------------|-------|
| kubernetes         | ClusterIP    | 10.96.0.1     | <none>      | 443/TCP        | 83d   |
| ms-eventos         | NodePort     | 10.103.82.175 | <none>      | 9084:30084/TCP | 3d    |
| ms-gateway-service | LoadBalancer | 10.97.51.16   | <pending>   | 9099:30435/TCP | 6d23h |
| ms-participantes   | NodePort     | 10.110.26.44  | <none>      | 9081:30081/TCP | 2d22h |
| nginx              | ClusterIP    | 10.106.250.75 | <none>      | 80/TCP         | 21d   |
| oracle-db          | NodePort     | 10.102.75.242 | <none>      | 1521:30011/TCP | 83d   |

```
mnadmin@Master:~$ kubectl get pods
```

| NAME                              | READY | STATUS  | RESTARTS   | AGE   |
|-----------------------------------|-------|---------|------------|-------|
| ms-eventos-6bcfdd677c-vqhnj       | 1/1   | Running | 0          | 2d23h |
| ms-gateway-5884cd94d6-bmcrr       | 1/1   | Running | 0          | 2d23h |
| ms-participantes-6d77bb5d9b-zl7wq | 1/1   | Running | 0          | 2d22h |
| nginx-bf5d5cf98-nt7n6             | 1/1   | Running | 2 (7d ago) | 21d   |
| oracle-db-cbf654876-g6jrl         | 1/1   | Running | 6 (7d ago) | 83d   |

## 2. Diagrama de Arquitectura:



## 6. Resultados

### 1. Validación del Despliegue:

- Evidencia del despliegue exitoso en Kubernetes (por ejemplo, capturas de pantalla o logs que muestren los pods corriendo). Jeanpierre

```
mnadmin@Master:~$ kubectl get configmap
NAME                                DATA  AGE
kube-root-ca.crt                    1      83d
ms-deseos-config                     3      19d
ms-eventos-config                    8      3d7h
ms-participantes-config              9      3d7h
ms-productos-config                 8       7d
oracle-init-scripts                  2      83d
test-config                          1      21d

mnadmin@Master:~$ kubectl get deployment
NAME                                READY  UP-TO-DATE  AVAILABLE  AGE
ms-deseos                           0/0      0            0          19d
ms-eventos                           1/1      1            1          3d7h
ms-gateway                           1/1      1            1          6d23h
ms-participantes                     1/1      1            1          2d22h
ms-productos                         0/0      0            0          6d23h
nginx                                1/1      1            1          21d
oracle-db                            1/1      1            1          83d

mnadmin@Master:~$ kubectl get services
NAME                                TYPE        CLUSTER-IP    EXTERNAL-IP  PORT(S)          AGE
kubernetes                          ClusterIP    10.96.0.1     <none>       443/TCP          83d
ms-eventos                          NodePort     10.103.82.175 <none>       9084:30084/TCP   3d
ms-gateway-service                  LoadBalancer 10.97.51.16   <pending>     9099:30435/TCP   6d23h
ms-participantes                    NodePort     10.110.26.44  <none>       9081:30081/TCP   2d22h
nginx                               ClusterIP    10.106.250.75 <none>       80/TCP          21d
oracle-db                           NodePort     10.102.75.242 <none>       1521:30011/TCP   83d

mnadmin@Master:~$ kubectl get pods
NAME                                READY  STATUS    RESTARTS  AGE
ms-eventos-6bcfdd677c-vqhnj         1/1    Running   0          2d23h
ms-gateway-5884cd94d6-bmcrr         1/1    Running   0          2d23h
ms-participantes-6d77bb5d9b-z17wq   1/1    Running   0          2d22h
nginx-bf5d5cf98-nt7n6               1/1    Running   2 (7d ago)  21d
oracle-db-cbf654876-g6jrl           1/1    Running   6 (7d ago)  83d
```

- Pruebas realizadas en los servicios mediante Postmano o CURL.

**prueba ms-eventos:**

```
mnadmin@Master:~$ curl -X POST http://10.97.51.16:9099/api2 \
> -H "Content-Type: application/json" \
> -d '{
>   "nombre": "Concierto de Rock",
>   "descripcion": "Concierto en vivo con bandas locales",
>   "fechaHora": "2025-07-15T20:00:00",
>   "ubicacion": "Estadio Nacional",
>   "capacidadMaxima": 5000
> }'
{"timestamp":"2025-05-20T00:23:40.405+00:00","status":404,"error":"Not
Found","path":"/"}mnadmin@Master:~$ curl -X POST
http://10.97.51.16:9099/api2/eventos \
> -H "Content-Type: application/json" \
> -d '{
>   "nombre": "Concierto de Rock",
>   "descripcion": "Concierto en vivo con bandas locales",
>   "fechaHora": "2025-07-15T20:00:00",
>   "ubicacion": "Estadio Nacional",
>   "capacidadMaxima": 5000
> }'
{"codigoEvento":"EVT20250520001","nombre":"Concierto de
Rock","descripcion":"Concierto en vivo con bandas locales","fechaHora":"2025-07-
15T20:00:00","ubicacion":"Estadio
Nacional","capacidadMaxima":5000}mnadmin@Master:~$ curl -X PUT
http://10.97.51.16:9099/api2/eventos/EVT20250520001 \
> -H "Content-Type: application/json" \
> -d '{
>   "nombre": "Concierto de Rock - Edici3n Especial",
>   "descripcion": "Concierto en vivo con bandas nacionales e internacionales",
mnadmin@Master:~$ curl -s -X GET http://10.97.51.16:9099/api2/eventos | jq
[
{
  "codigoEvento": "EVT202505141",
  "nombre": "Conferencia Tech",
  "descripcion": "Evento tecnol3gico",
  "fechaHora": "2025-06-20T10:00:00",
  "ubicacion": "Lima",
  "capacidadMaxima": 100
}
]
mnadmin@Master:~$ curl -s -X GET
http://10.97.51.16:9099/api2/eventos/EVT202505141 | jq
{
  "codigoEvento": "EVT202505141",
```

```

"nombre": "Conferencia Tech",
"descripcion": "Evento tecnologico",
"fechaHora": "2025-06-20T10:00:00",
"ubicacion": "Lima",
"capacidadMaxima": 100
}
mnadmin@Master:~$ curl -X POST http://10.97.51.16:9099/api2/eventos \
> -H "Content-Type: application/json" \
> -d '{
>   "nombre": "Concierto de Rock",
>   "descripcion": "Concierto en vivo con bandas locales",
>   "fechaHora": "2025-07-15T20:00:00",
>   "ubicacion": "Estadio Nacional",
>   "capacidadMaxima": 5000
> }' | jq
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload  Total   Spent    Left     Speed
100 407    0 203 100 204 2388 2400 --:--:-- --:--:-- --:--:-- 4788
{
  "codigoEvento": "EVT20250520002",
  "nombre": "Concierto de Rock",
  "descripcion": "Concierto en vivo con bandas locales",
  "fechaHora": "2025-07-15T20:00:00",
  "ubicacion": "Estadio Nacional",
  "capacidadMaxima": 5000
}
mnadmin@Master:~$ curl -X PUT
http://10.97.51.16:9099/api2/eventos/EVT20250520002 \
> -H "Content-Type: application/json" \
> -d '{
>   "nombre": "Concierto de Rock - Edición Especial",
>   "descripcion": "Concierto en vivo con bandas nacionales e internacionales",
>   "fechaHora": "2025-07-15T21:00:00",
>   "ubicacion": "Estadio Nacional",
>   "capacidadMaxima": 20
> }' | jq
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload  Total   Spent    Left     Speed
100 485    0 242 100 243 3666 3681 --:--:-- --:--:-- --:--:-- 7461
{
  "codigoEvento": "EVT20250520002",
  "nombre": "Concierto de Rock - Edición Especial",
  "descripcion": "Concierto en vivo con bandas nacionales e internacionales",
  "fechaHora": "2025-07-15T21:00:00",
  "ubicacion": "Estadio Nacional",
  "capacidadMaxima": 20
}

```



```

mnadmin@Master:~$ curl -s -X GET
http://10.97.51.16:9099/api2/eventos/EVT20250520002 | jq
{
  "codigoEvento": "EVT20250520002",
  "nombre": "Concierto de Rock - Edición Especial",
  "descripcion": "Concierto en vivo con bandas nacionales e internacionales",
  "fechaHora": "2025-07-15T21:00:00",
  "ubicacion": "Estadio Nacional",
  "capacidadMaxima": 20
}
mnadmin@Master:~$ curl -X DELETE
http://10.97.51.16:9099/api2/eventos/EVT20250520002 | jq
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload  Total   Spent    Left     Speed
  0   0   0    0    0    0     0      0  --:--:-- --:--:-- --:--:--    0
mnadmin@Master:~$ curl -s -X GET http://10.97.51.16:9099/api2/eventos | jq
[
  {
    "codigoEvento": "EVT202505141",
    "nombre": "Conferencia Tech",
    "descripcion": "Evento tecnologico",
    "fechaHora": "2025-06-20T10:00:00",
    "ubicacion": "Lima",
    "capacidadMaxima": 100
  }
]

```

### ms-participante:

```

mnadmin@Master:~$ curl -X POST -H "Content-Type: application/json" -d
'{"dni": "44467619", "codigoEvento": "EVT202505141"}'
http://10.97.51.16:9099/api1/inscripciones
Inscripción exitosa.

mnadmin@Master:~$ curl -X GET
http://10.97.51.16:9099/api1/inscripciones?dni=44467619 | jq
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
Speed     Time      Time      Time      Current
           Dload  Upload  Total   Spent    Left     Speed
100   124    0   124    0    0    2000      0  --:--:-- --:--:-- --:--:--
:--  2000
[
  {
    "id": 2,
    "participante": {

```

```

    "dni": "44467619",
    "nombre": "Luis Pérez",
    "email": "luis@example.com"
  },
  "eventoId": "EVT202505141"
}
]

```

```

mnadmin@Master:~$ curl -X POST
http://10.97.51.16:9099/api1/inscripciones \
> -H "Content-Type: application/json" \
> -d '{
> "dni": "44467619",
> "codigoEvento": "EVT202505141"
> }'

```

El participante ya está inscrito en el evento con código: EVT202505141

```

curl -X POST http://10.97.51.16:9099/api1/inscripciones -H "Content-
Type: application/json" -d '{
"dni": "44467619",
"codigoEvento": "EVT202505140"
}'

```

Evento no encontrado con

código: EVT202505140

## 2. Registro de Imágenes:

- URL de las imágenes Docker publicadas (Docker Hub).  
[jean1988/ms-participantes - Docker Image | Docker Hub](https://hub.docker.com/r/jean1988/ms-participantes)




## [jean1988/ms-eventos - Docker Image | Docker Hub](https://hub.docker.com/r/jean1988/ms-eventos)

← ↻ 🔒 <https://hub.docker.com/r/jean1988/ms-eventos>

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### jean1988/ms-eventos

By [jean1988](#) · Updated 5 days ago

[IMAGE](#)

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## [jean1988/ms-gateway - Docker Image | Docker Hub](https://hub.docker.com/r/jean1988/ms-gateway)

← ↻ 🔒 <https://hub.docker.com/r/jean1988/ms-gateway>

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### jean1988/ms-gateway

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[IMAGE](#)

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