

## Documento correr localmente

### 1. Correr el comando mvn clean install para generar el jar

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Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS D:\DEV\PRUEBA-SETI> mvn clean install
```

### 2. Jar generado

```
[INFO] Tests run: 33, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- jacoco:0.8.11:report (report) @ SETI ---
[INFO] Loading execution data file D:\DEV\PRUEBA-SETI\SETI\target\jacoco.exec
[INFO] Analyzed bundle 'SETI' with 24 classes
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ SETI ---
[INFO] Building jar: D:\DEV\PRUEBA-SETI\SETI\target\SETI-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot:3.2.4:repackage (repackage) @ SETI ---
[INFO] Replacing main artifact D:\DEV\PRUEBA-SETI\SETI\target\SETI-0.0.1-SNAPSHOT.jar with repackaged archive, adding nested dependencies in BOOT-INF
[INFO] The original artifact has been renamed to D:\DEV\PRUEBA-SETI\SETI\target\SETI-0.0.1-SNAPSHOT.jar.original
[INFO]
[INFO] --- install:3.1.1:install (default-install) @ SETI ---
[INFO] Installing D:\DEV\PRUEBA-SETI\SETI\pom.xml to C:\Users\jonat\.m2\repository\com\prueba\SETI\0.0.1-SNAPSHOT\SETI-0.0.1-SNAPSHOT.pom
[INFO] Installing D:\DEV\PRUEBA-SETI\SETI\target\SETI-0.0.1-SNAPSHOT.jar to C:\Users\jonat\.m2\repository\com\prueba\SETI\0.0.1-SNAPSHOT\SETI-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 34.405 s
[INFO] Finished at: 2026-01-21T21:20:33-05:00
[INFO]
```

### 3. Ejecutar docker-compose up

```
Terminal Local (2) + ↗

Windows PowerShell
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PS D:\DEV\PRUEBA-SETI> docker-compose up
```

### 4. la imagen se ejecutan

```
Project pom.xml (SETI) README.md SetiApplication.java Maven

Terminal Local (2) + ↗

seti_db | PostgreSQL init process complete; ready for start up.
seti_db |
seti_db | 2020-01-22 02:23:02.660 UTC [1] LOG: starting PostgreSQL 10.1 (Debian 10.1-1.pgdg15+2) on x86_64-pc-linux-gnu, compiled by gcc (Debian 14.2.0-19) 14.2.0, 64-bit
seti_db | 2020-01-22 02:23:02.662 UTC [1] LOG: listening on IPv4 address '0.0.0.0', port 5432
seti_db | 2020-01-22 02:23:02.662 UTC [1] LOG: listening on IPv6 address '::', port 5432
seti_db | 2020-01-22 02:23:02.686 UTC [1] LOG: listening on Unix socket '/var/run/postgresql/.s.PGSQL.5432'
seti_db | 2020-01-22 02:23:02.720 UTC [74] LOG: database system is shut down at 2020-01-22 02:23:02 UTC
seti_db | 2020-01-22 02:23:02.734 UTC [1] LOG: database system is ready to accept connections
prueba-seti | 2020-01-22T02:23:03.913Z INFO 1 --- [SETI] [ main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data R2DBC repositories in DEFAULT mode.
prueba-seti | 2020-01-22T02:23:04.311Z INFO 1 --- [SETI] [ main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 308 ms. Found 3 R2DBC repository interfaces.
prueba-seti | 2020-01-22T02:23:06.993Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.026Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.074Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] o.s.r2dbc.core.DefaultDatabaseClient : Executing SQL statement [SELECT 1]
prueba-seti | 2020-01-22T02:23:07.094Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SELECT 1
prueba-seti | DB connectado ✓
prueba-seti | 2020-01-22T02:23:07.173Z DEBUG 1 --- [SETI] [tor-tcp-epoll-3] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.179Z DEBUG 1 --- [SETI] [tor-tcp-epoll-3] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.253Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: CREATE TABLE IF NOT EXISTS franchises ( id VARCHAR(20) PRIMARY KEY, name VARCHAR(100) NOT NULL )
prueba-seti | 2020-01-22T02:23:07.287Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: CREATE TABLE IF NOT EXISTS branches ( id VARCHAR(20) PRIMARY KEY, franchise_id VARCHAR(20) NOT NULL, name VARCHAR(100) NOT NULL, CONSTRAINT fk_franchise FOREIGN KEY (franchise_id) REFERENCES franchises(id) )
prueba-seti | 2020-01-22T02:23:07.306Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: CREATE TABLE IF NOT EXISTS products ( id VARCHAR(20) PRIMARY KEY, branch_id VARCHAR(20) NOT NULL, name VARCHAR(100) NOT NULL, stock INT NOT NULL, CONSTRAINT fk_branch FOREIGN KEY (branch_id) REFERENCES branches(id) )
prueba-seti | 2020-01-22T02:23:07.307Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.311Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.325Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: CREATE TABLE IF NOT EXISTS sequences ( name VARCHAR(50) PRIMARY KEY, value BIGINT NOT NULL )
prueba-seti | 2020-01-22T02:23:07.336Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: INSERT INTO sequences (name, value) VALUES ('franchise', 0), ('branch', 0), ('product', 0) ON CONFLICT (name) DO NOTHING
prueba-seti | 2020-01-22T02:23:07.396Z DEBUG 1 --- [SETI] [tor-tcp-epoll-7] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.404Z DEBUG 1 --- [SETI] [tor-tcp-epoll-7] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.501Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.504Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.543Z INFO 1 --- [SETI] [ main] o.s.boot.reactor.netty.NettyWebServer : Netty started on port 8080 (http)
prueba-seti | 2020-01-22T02:23:07.581Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.591Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.625Z INFO 1 --- [SETI] [ main] com.prueba.SETI.SetiApplication : Started SetiApplication in 7.235 seconds (process running for 9.37)
prueba-seti | 2020-01-22T02:23:07.661Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.672Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.729Z DEBUG 1 --- [SETI] [tor-tcp-epoll-7] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.736Z DEBUG 1 --- [SETI] [tor-tcp-epoll-7] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.793Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.803Z DEBUG 1 --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
prueba-seti | 2020-01-22T02:23:07.865Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2020-01-22T02:23:07.876Z DEBUG 1 --- [SETI] [tor-tcp-epoll-5] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')

View in Docker Desktop View Config Enable Watch
EBA-SETI - . SETI - pom.xml 93-1 CRLF UTF-8 4 spaces
```

## 5.verificar con el comando de docker ps

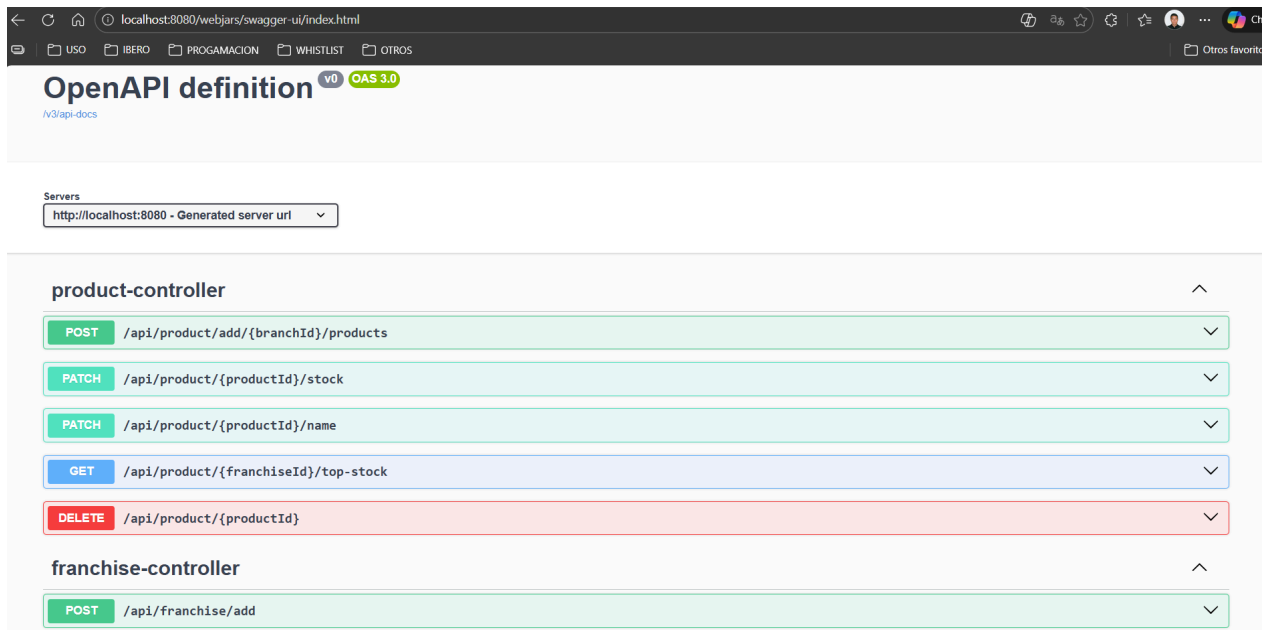
```
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PS D:\DEV\PRUEBA-SETI> docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                               NAMES
f8509fbc4caa   seti:v1    "java -jar app.jar"     57 seconds ago Up 55 seconds 0.0.0.0:8080->8080/tcp, [::]:8080->8080/tcp   prueba-seti
ebcd53dc2e61   postgres  "docker-entrypoint.s..." 57 seconds ago Up 56 seconds 0.0.0.0:5432->5432/tcp, [::]:5432->5432/tcp   seti_db
PS D:\DEV\PRUEBA-SETI>
```

## 6.probar en el local puede usar la colección de postman o por swagger

<http://localhost:8080/webjars/swagger-ui/index.htm>



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