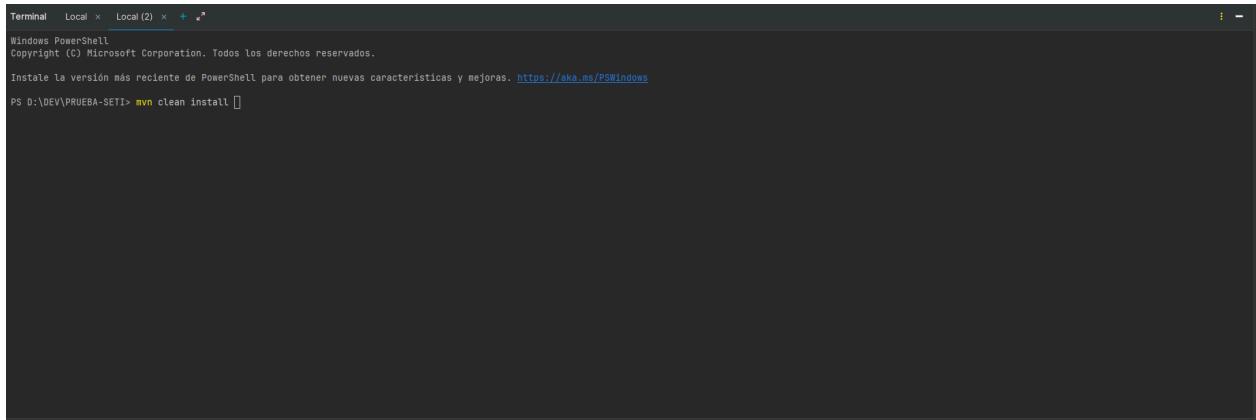


Documento correr localmente

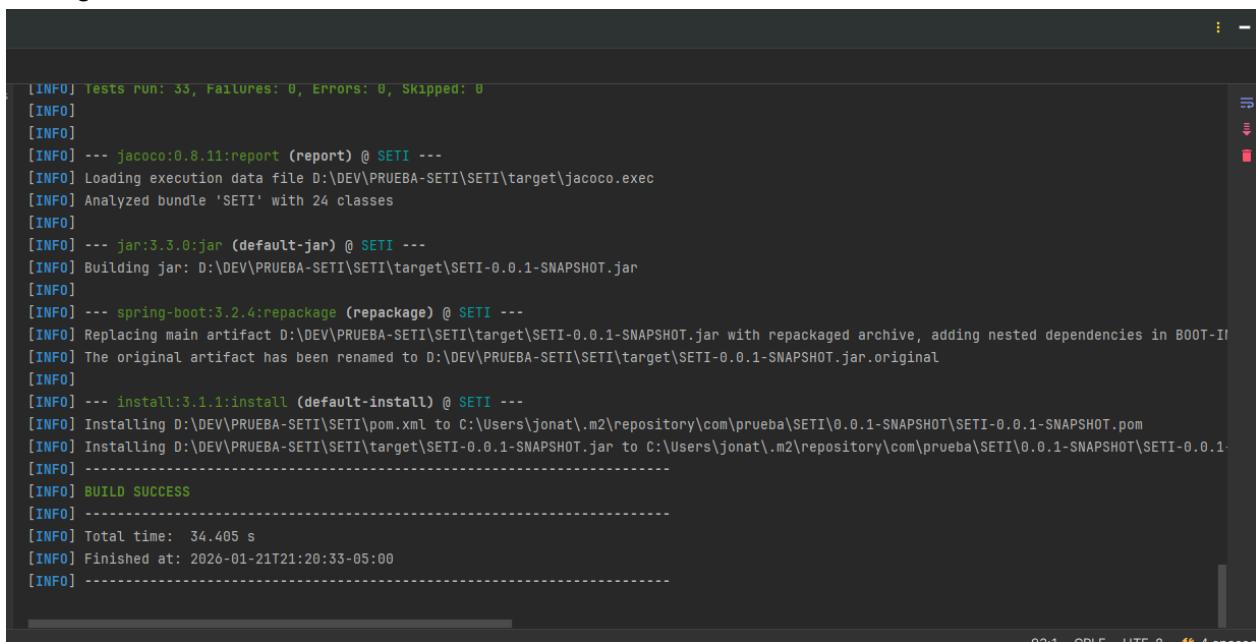
1. Correr el comando mvn clean install para generar el jar



```
Terminal Local x Local (2) x + "Windows PowerShell
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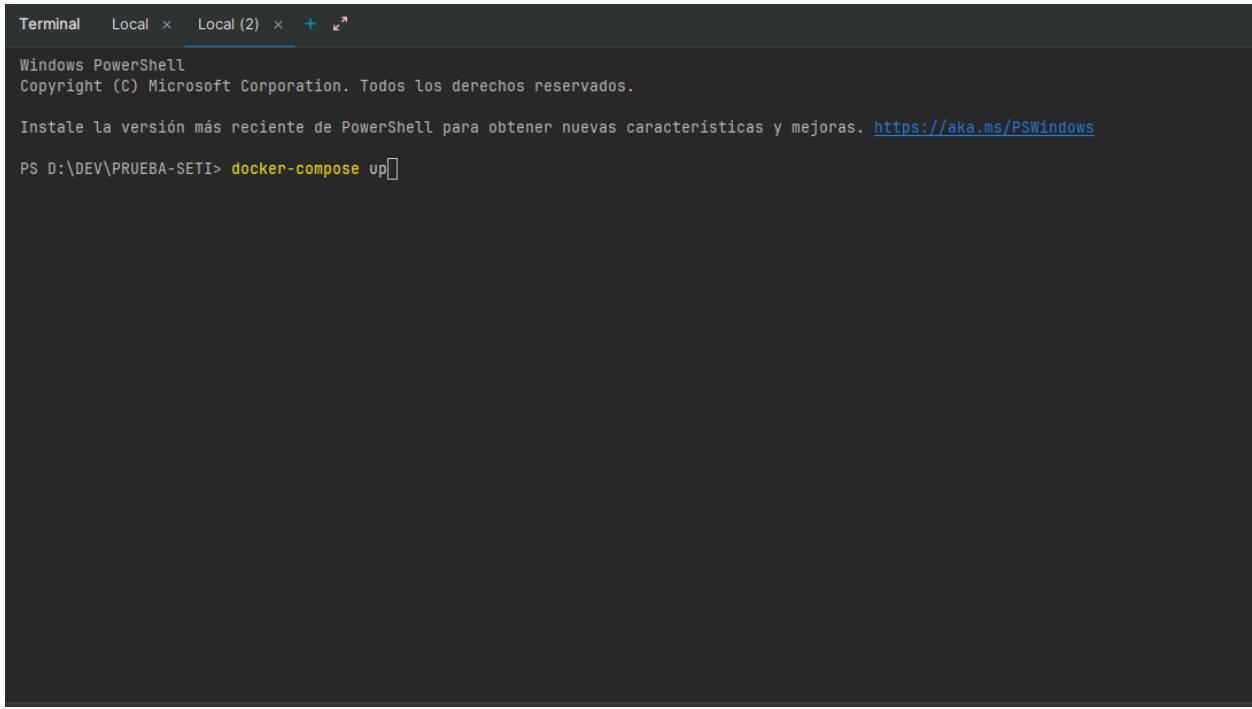
Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows
PS D:\DEV\PRUEBA-SETI> mvn clean install []
```

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-
[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

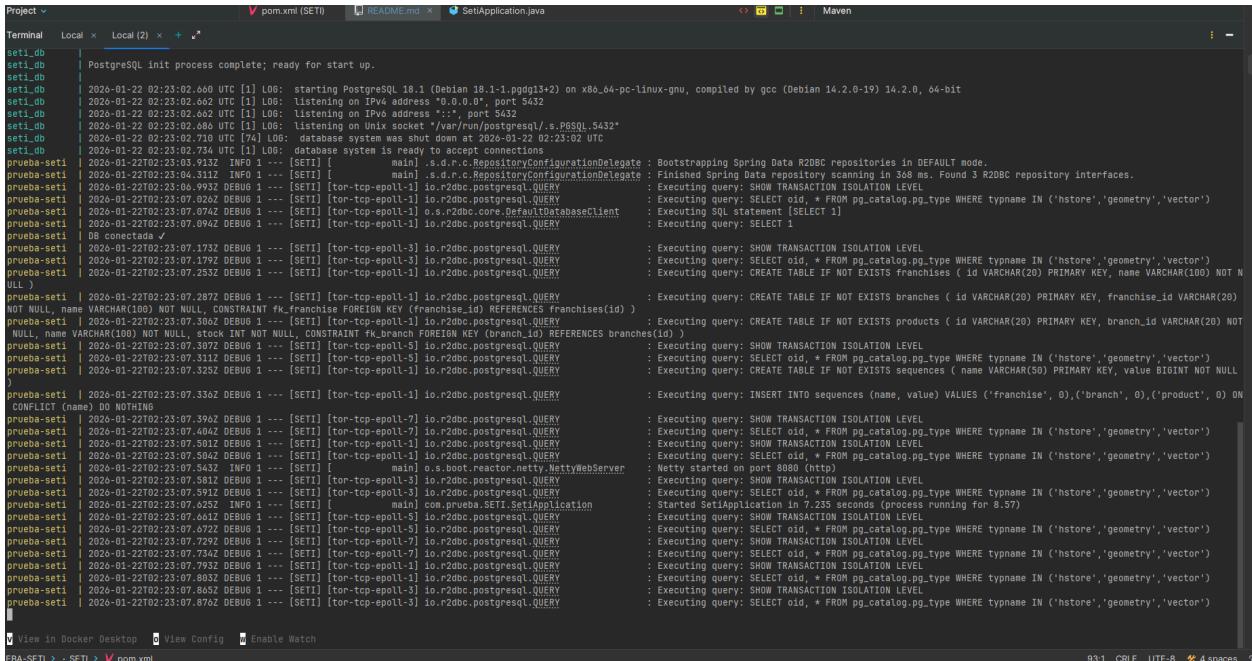


```
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

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

4. La imagen se ejecutan



```
Project ▾ pom.xml (SETI) README.md SetiApplication.java Maven
Terminal Local Local (2) + ↻

seti_db | PostgreSQL init process complete; ready for start up.
seti_db | 2026-01-22 02:23:02.660 UTC [1] LOG:  starting PostgreSQL 18.1 (Debian 18.1.1-pgdg13+2) on x86_64-pc-linux-gnu, compiled by gcc (Debian 14.2.0-19) 14.2.0, 64-bit
seti_db | 2026-01-22 02:23:02.660 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port 5432
seti_db | 2026-01-22 02:23:02.660 UTC [1] LOG:  listening on IPv6 address "::", port 5432
seti_db | 2026-01-22 02:23:02.660 UTC [1] LOG:  listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
seti_db | 2026-01-22 02:23:02.660 UTC [1] LOG:  database system ready to accept connections
seti_db | 2026-01-22 02:23:02.734 UTC [1] LOG:  database system is ready to accept connections
prueba-seti | 2026-01-22T02:23:03.912Z INFO 1 --- [SETI] [main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data R2DBC repositories in DEFAULT mode.
prueba-seti | 2026-01-22T02:23:04.312Z INFO 1 --- [SETI] [main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 368 ms. Found 3 R2DBC repository interfaces.
prueba-seti | 2026-01-22T02:23:06.993Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.020Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.074Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] o.s.r2dbc.core.DefaultDatabaseClient : Executing SQL statement [SELECT 1]
prueba-seti | 2026-01-22T02:23:07.094Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SELECT 1
prueba-seti | DB connected.
prueba-seti | 2026-01-22T02:23:07.173Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.179Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.253Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.287Z DEBUG 0  --- [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_branches FOREIGN KEY (franchise_id) REFERENCES franchises(id) )
prueba-seti | 2026-01-22T02:23:07.306Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.307Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.312Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.325Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.336Z DEBUG 0  --- [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 DO NOTHING
prueba-seti | 2026-01-22T02:23:07.390Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.404Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.501Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.504Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.543Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] o.s.boot.reactor.netty.NettyWebServer : Netty started on port 8080 (http)
prueba-seti | 2026-01-22T02:23:07.581Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.591Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.612Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.641Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] co.prueba.SETI.SetiApplication : Starting Application in 7.230 seconds (process running for 8.57)
prueba-seti | 2026-01-22T02:23:07.641Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] co.prueba.SETI.SetiApplication : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.672Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.729Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.734Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.793Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.803Z DEBUG 0  --- [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 | 2026-01-22T02:23:07.805Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SHOW TRANSACTION ISOLATION LEVEL
prueba-seti | 2026-01-22T02:23:07.876Z DEBUG 0  --- [SETI] [tor-tcp-epoll-1] io.r2dbc.postgresql.QUERY : Executing query: SELECT oid, * FROM pg_catalog.pg_type WHERE typname IN ('hstore','geometry','vector')
```

5.verificar con el comando de docker ps

```
Terminal Local x Local (2) x Local (3) x + ↗
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> 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>

The screenshot shows the Swagger UI interface running at <http://localhost:8080/webjars/swagger-ui/index.html>. The top navigation bar includes links for 'USO', 'IBERO', 'PROGAMACION', 'WHISTLIST', 'OTROS', and 'Otros favoritos'. The main content area displays the 'OpenAPI definition' for version 3.0. A 'Servers' dropdown is set to 'http://localhost:8080 - Generated server url'. The interface is organized into sections for different controllers:

- product-controller**: Contains five operations:
 - POST** /api/product/add/{branchId}/products
 - PATCH** /api/product/{productId}/stock
 - PATCH** /api/product/{productId}/name
 - GET** /api/product/{franchiseId}/top-stock
 - DELETE** /api/product/{productId}
- franchise-controller**: Contains one operation:
 - POST** /api/franchise/add