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Prerequisites

- Hardware
  - RAM: 8GB at least
  - 64 bit processor
  - BIOS-level hardware virtualization support must be enabled in the BIOS settings
- Software
  - Windows 10 64 bits
  - Docker Desktop 4.16.3 with WSL 2 BackEnd
    - https://docs.docker.com/desktop/install/windows-install/

Install environment

1. Generate the docker images executing the next commands in the corresponding Dockerfile project folder
   a. docker build -t apiweatherconfig .

```
\knowledgeboost-challenge\apiweatherconfig>docker build -t apiweatherconfig .
```

   b. docker build -t apiweathergateway .

```
\knowledgeboost-challenge\apiweathergateway>docker build -t apiweathergateway .
```

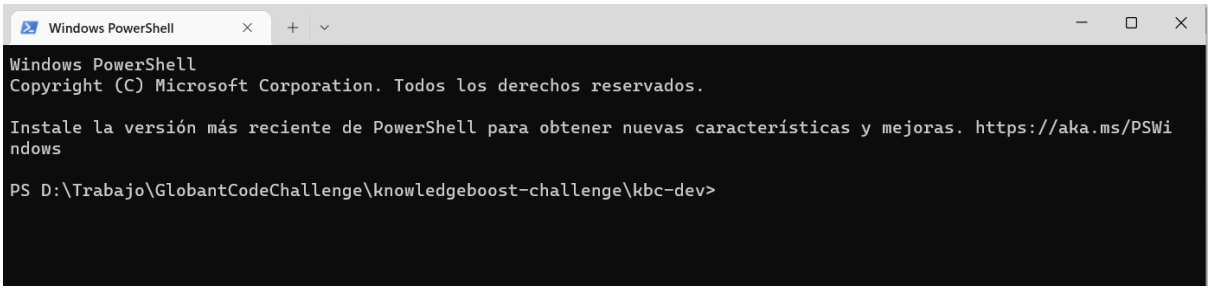
   c. docker build -t apiweathersecurity .

```
\knowledgeboost-challenge\apiweathersecurity>docker build -t appweathersecurity .
```

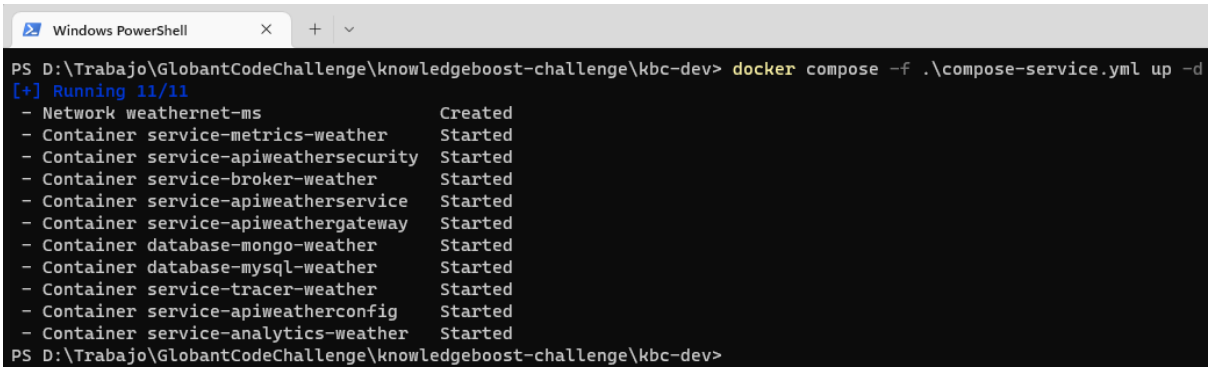
   d. docker build -t apiweatherservice .

```
\knowledgeboost-challenge\apiweatherservice>docker build -t apiweatherservice .
```

2. Open a terminal in the kbc-dev folder



3. Execute command docker compose -f .\compose-service.yml up -d



4. Verify in docker desktop that all containers are alive

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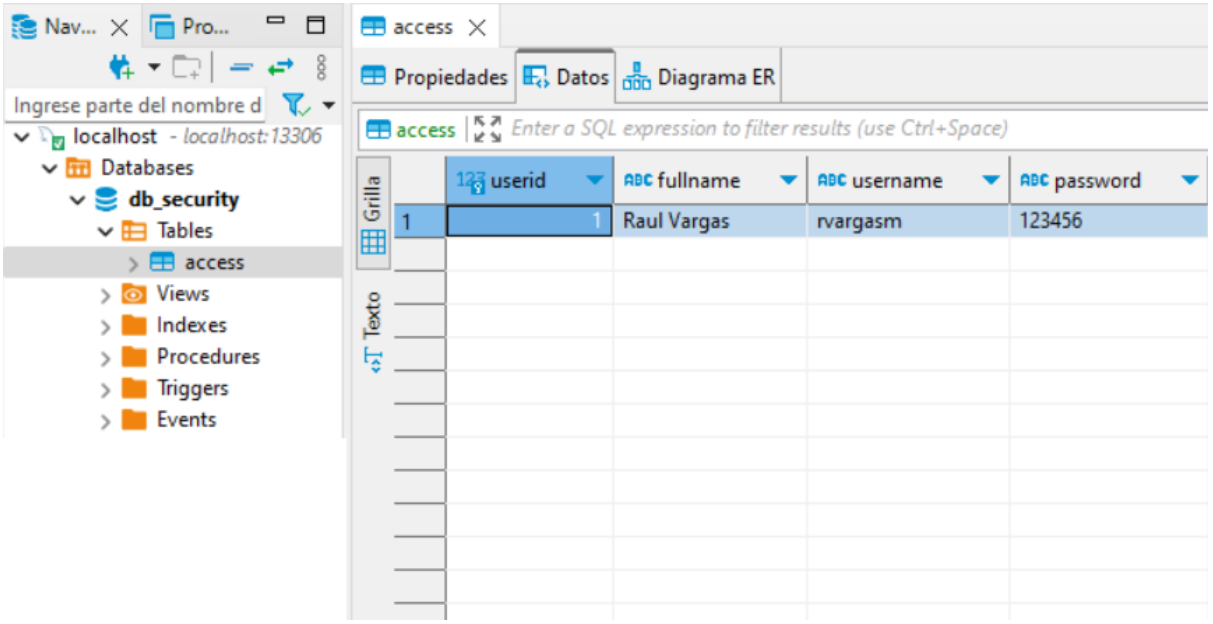
5. Verify in the mysql container that follow components were created:
    a. **db_security** database
        i. **access** table
            1. one record



6. Go to endpoints.pdf to see how to consume the services.