## Prerequisites

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

## Install environment

- 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

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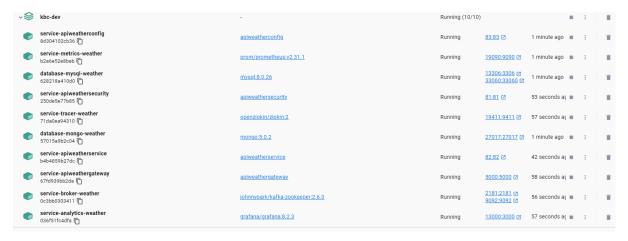
Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS D:\Trabajo\GlobantCodeChallenge\knowledgeboost-challenge\kbc-dev>
```

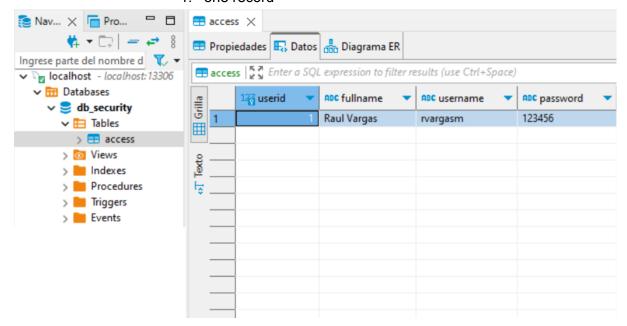
3. Execute command docker compose -f .\compose-service.yml up -d

```
☑ Windows PowerShell
PS D:\Trabajo\GlobantCodeChallenge\knowledgeboost-challenge\kbc-dev> docker compose -f .\compose-service.yml up -d
 - Network weathernet-ms
                                         Created
 - Container service-metrics-weather
                                         Started
 - Container service-apiweathersecurity Started
 - Container service-broker-weather
                                         Started
 - Container service-apiweatherservice
                                         Started
 - Container service-apiweathergateway
                                         Started
 - Container database-mongo-weather
                                         Started
 - Container database-mysql-weather
                                         Started
 - Container service-tracer-weather
                                         Started
 - Container service-apiweatherconfig
                                          Started
   Container service-analytics-weather
                                          Started
PS D:\Trabajo\GlobantCodeChallenge\knowledgeboost-challenge\kbc-dev>
```

4. Verify in docker desktop that all containers are alive



- 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.