**UNIVERSIDAD NACIONAL DE ASUNCIÓN**

**FACULTAD POLITÉCNICA**

**DIRECCIÓN DE POSTGRADO**



**DIPLOMADO EN BIG DATA Y BUSINESS ANALYTICS**

**UNIDAD 5 - Procesamiento de Flujo de Datos Masivos**

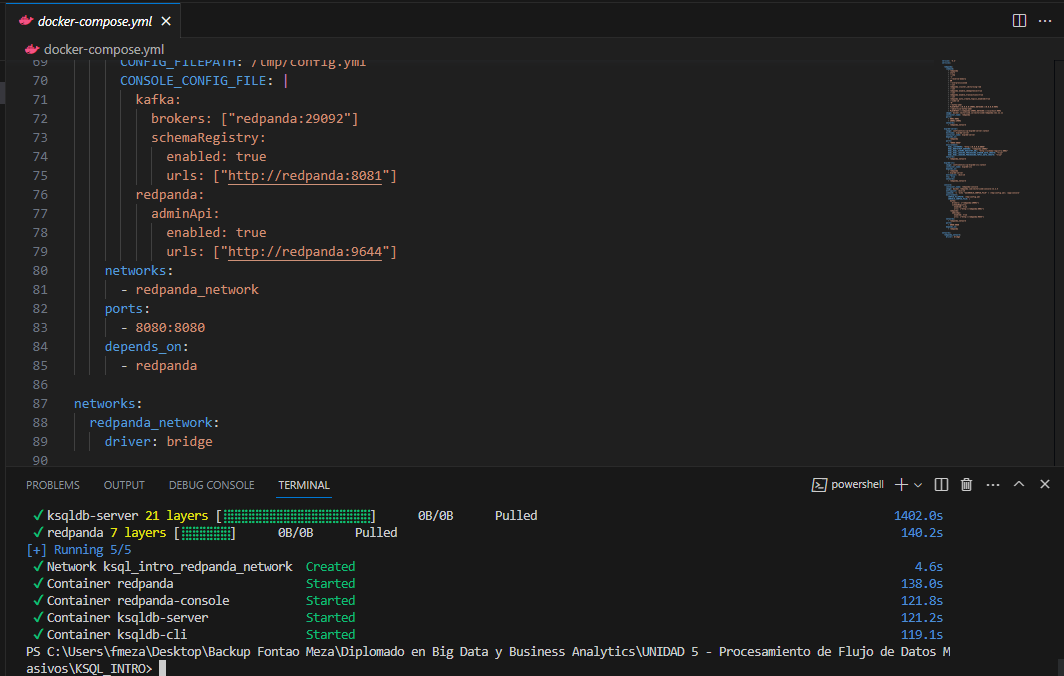
[**Tarea\_modulo\_data\_streaming**](https://github.com/FontaoMeza/Tarea_modulo_data_streaming)

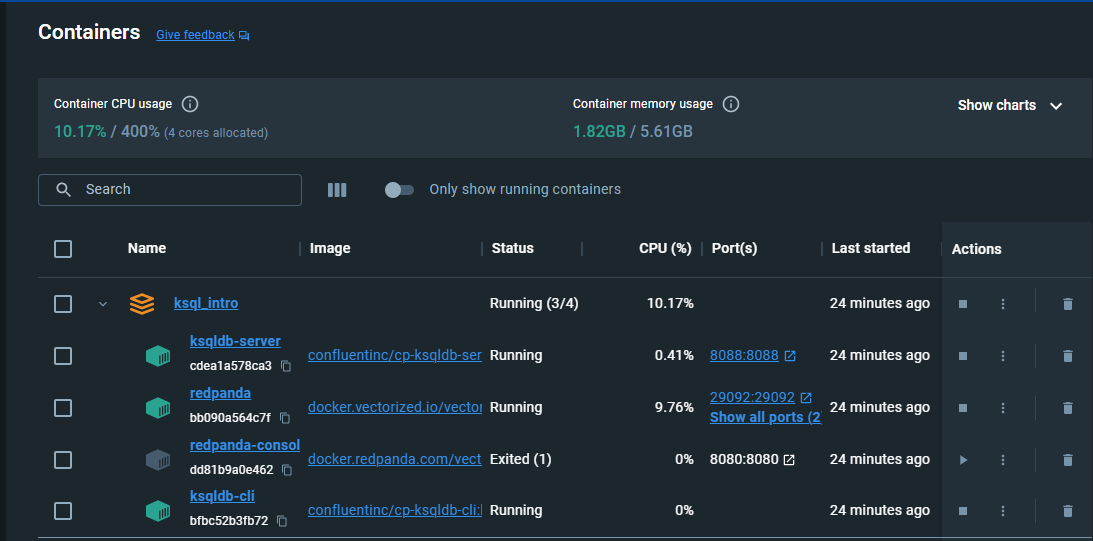
**Autores:**

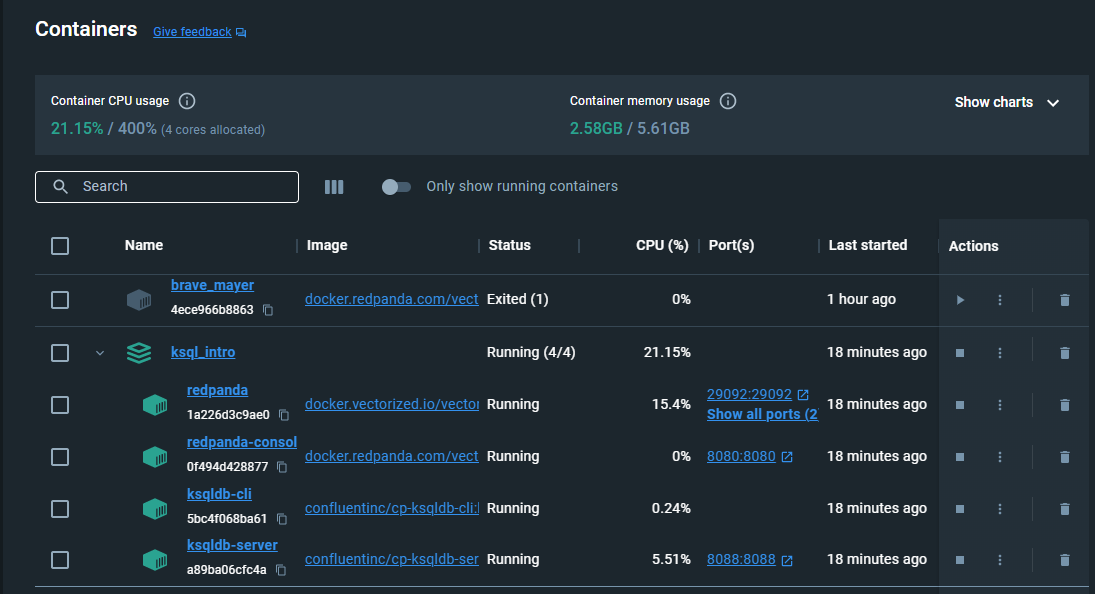
**Ana Lorena Cardozo**

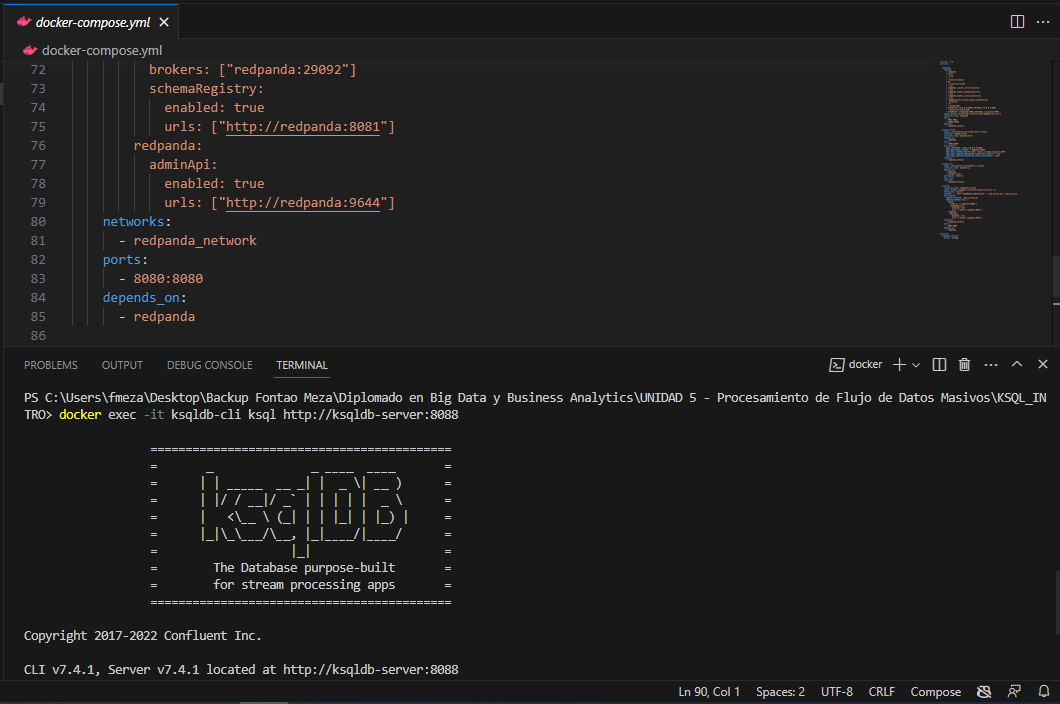
**Fontao Alberto Meza Bobadilla**

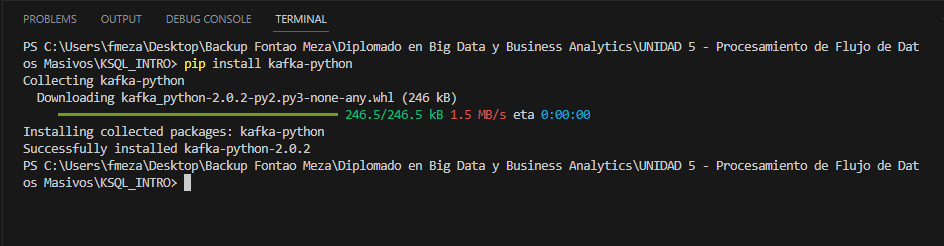
**Karina Lopez**

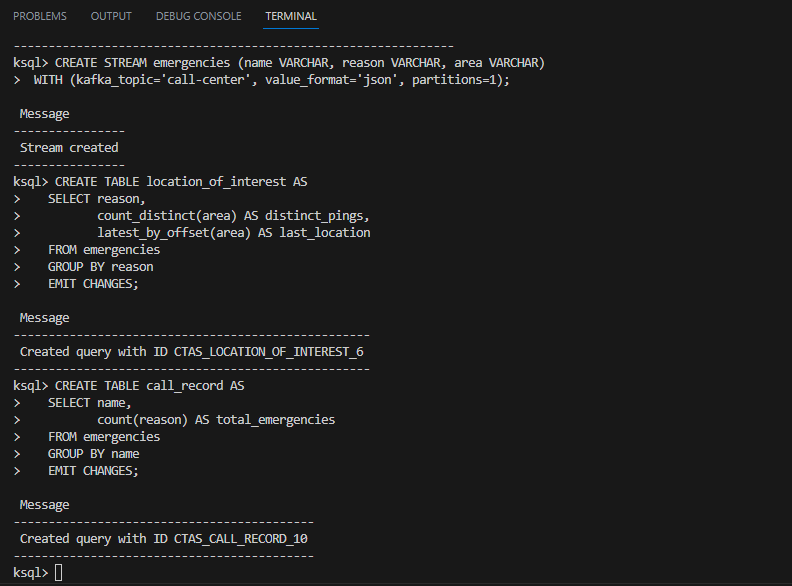


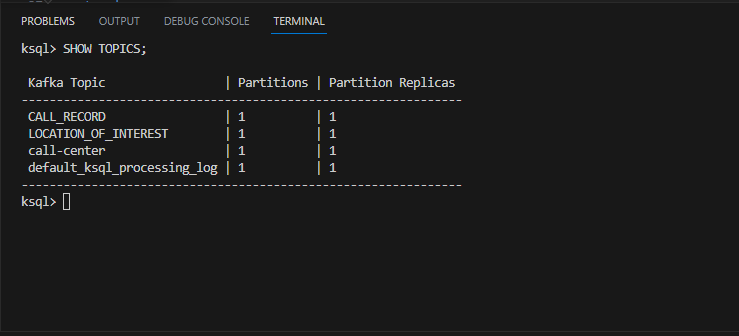


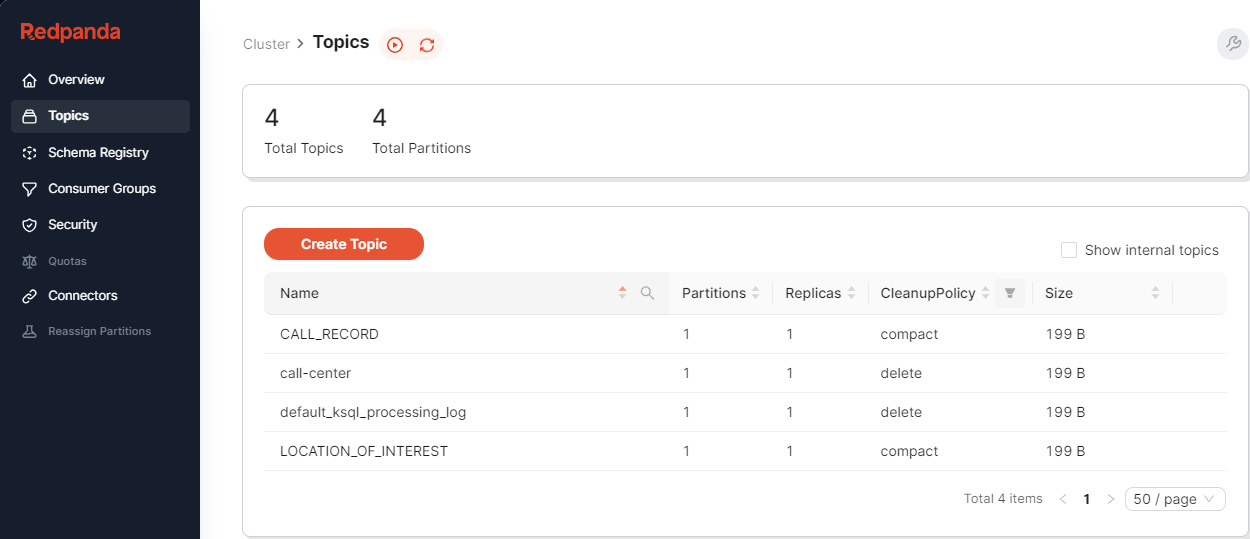












**Código Fuente**

crear stream

CREATE STREAM trades\_stream (p DOUBLE, s STRING, t STRING, v DOUBLE) WITH (KAFKA\_TOPIC='trades-orders', VALUE\_FORMAT='JSON');

crear table contar\_symbolos

CREATE TABLE contar\_symbolos AS SELECT s, COUNT(s) FROM trades\_stream GROUP BY s EMIT CHANGES;

crear table promedio

CREATE TABLE promedio AS SELECT \*, AVG(p) FROM trades\_stream GROUP BY s EMIT CHANGES;

**Consulta de datos**

select \* from contar\_symbolos;

select s,avg(p) from trades\_stream group by s EMIT CHANGES;

CREATE TABLE promedio\_symbolos AS SELECT s,avg(p) FROM trades\_stream GROUP BY s EMIT CHANGES;

select \* from promedio\_symbolos;

CREATE TABLE pro\_max AS SELECT s,max(p) FROM trades\_stream GROUP BY s EMIT CHANGES;

select \* from pro\_max;

CREATE TABLE pro\_min AS SELECT s,min(p) FROM trades\_stream GROUP BY s EMIT CHANGES;

select \* from pro\_min;

CREATE TABLE pro\_count AS SELECT s,count(p) FROM trades\_stream GROUP BY s EMIT CHANGES;

select \* from pro\_count;