

-----INSTRUCCIONES-----

OBSERVACIÓN: Se utilizó Docker Desktop para la realización del ejercicio. Se usó Offset Explorer para revisar la creación del mensaje en el bróker.

1- En una terminal ejecutar el archivo docker-compose.yml. Debes estar ubicado en el directorio donde se encuentra el archivo.

```
docker-compose up -d
```

2- Crear topic de kafka

```
docker exec -it kafka bash //Comando para ingresar al contenedor de kafka
```

```
kafka-topics --bootstrap-server kafka:9092 --create --topic transactionObjects //Comando para crear el topic
```

3- Iniciar microservicio

4- Consumir el endpoint de creación de la transacción

EDNPOINT: <http://localhost:8080/transaction/create>

REQUEST:

```
{
  "id": "777",
  "deviceNumber": 56789,
  "userId": 9877,
  "geoPosition": "CB2345",
  "amount": 9000.0
}
```

5- EL evento quedará registrado en el bróker de mensajería

```
2024-07-26T11:18:09.287-05:00 INFO 13496 --- [process] [nio-8080-exec-1] o.a.k.c.t.i.KafkaMetricsCollector : initializing Kafka metrics collector
2024-07-26T11:18:09.391-05:00 INFO 13496 --- [process] [nio-8080-exec-1] o.a.k.c.l.producer.KafkaProducer : [Producer clientId=process-producer-1] Instantiated an idempotent producer.
2024-07-26T11:18:09.457-05:00 INFO 13496 --- [process] [nio-8080-exec-1] o.a.kafka.common.utils.AppInfoParser : Kafka version: 3.7.0
2024-07-26T11:18:09.460-05:00 INFO 13496 --- [process] [nio-8080-exec-1] o.a.kafka.common.utils.AppInfoParser : Kafka commitId: 2ae524ed025438c5
2024-07-26T11:18:09.460-05:00 INFO 13496 --- [process] [nio-8080-exec-1] o.a.kafka.common.utils.AppInfoParser : Kafka startTimeMs: 1722018089453
2024-07-26T11:18:10.059-05:00 INFO 13496 --- [process] [cess-producer-1] org.apache.kafka.clients.Metadata : [Producer clientId=process-producer-1] Cluster ID: sSZZzKpJTzqVWp_ib-5Ssw
2024-07-26T11:18:10.060-05:00 INFO 13496 --- [process] [cess-producer-1] o.a.k.c.p.internals.TransactionManager : [Producer clientId=process-producer-1] ProducerId set to 1 with epoch 0
2024-07-26T11:27:10.153-05:00 INFO 13496 --- [process] [cess-producer-1] org.apache.kafka.clients.NetworkClient : [Producer clientId=process-producer-1] Node -1 disconnected.
2024-07-26T11:37:10.164-05:00 INFO 13496 --- [process] [cess-producer-1] org.apache.kafka.clients.NetworkClient : [Producer clientId=process-producer-1] Node -1 disconnected.
Message received: com.system.process.domain.TransactionObject@1f2d487e
```

Utilizando la herramienta Offset Explorer, podemos observar el mensaje emitido con la información enviada en el cuerpo de la petición para crear el objeto Transaction:

PropertiesDataPartitionsConfig

Filter

MessagesOldest

	Partition	Offset	Key	Value	Timestamp
0		1		{ "id": "b5988bc3-9081-4db5-973c-bdd899a34cae", "date": "17...", 2024-07-26 11:16:45.289	
0		0		{ "id": "6063a37b-6091-42c8-9f4f-949183b1842a", "date": "172...", 2024-07-26 11:15:24.742	
0		3		{ "id": "50cac405-c2f6-408c-acd4-9a06a8ff6182", "date": "1722...", 2024-07-26 12:07:54.060	
0		2		{ "id": "253543a8-4984-434b-97fb-5e955c43c056", "date": "17...", 2024-07-26 11:18:10.060	

PartitionOffsetKeyValueTimestampHeaders

Length: 203 bytes [203 characters]

View Data AsText

{ "id": "50cac405-c2f6-408c-acd4-9a06a8ff6182", "date": "1722019673863", "type": "CREATED", "data": { "id": "7777", "timestamp": "1721019673830", "deviceNumber": "84789", "userId": "9677", "geoPosition": "CB2345", "amount": "9000.0" }