

MQT - Laboratory 8

Lab8_1

1. Create two topics:

from command line

```
docker exec -ti kafka /usr/bin/kafka-topics --create --bootstrap-server localhost:9092 --topic TextLinesTopic --partitions 10
```

```
docker exec -ti kafka /usr/bin/kafka-topics --create --bootstrap-server localhost:9092 --topic UppercasedTextLinesTopic --partitions 10
```

or from the Kafka terminal (Docker Desktop):

```
/usr/bin/kafka-topics --create --bootstrap-server kafka:19092 --topic TextLinesTopic --partitions 10
```

```
/usr/bin/kafka-topics --create --bootstrap-server kafka:19092 --topic UppercasedTextLinesTopic --partitions 10
```

2. Go to Maven panel (top-right in IntelliJ)

kafka-streams-examples --> Plugins --> avro --> avro:schema --> right click --> Run Maven Build

3. Run streams.MapFunctionLambdaKStreamConsumer

The application must be running.

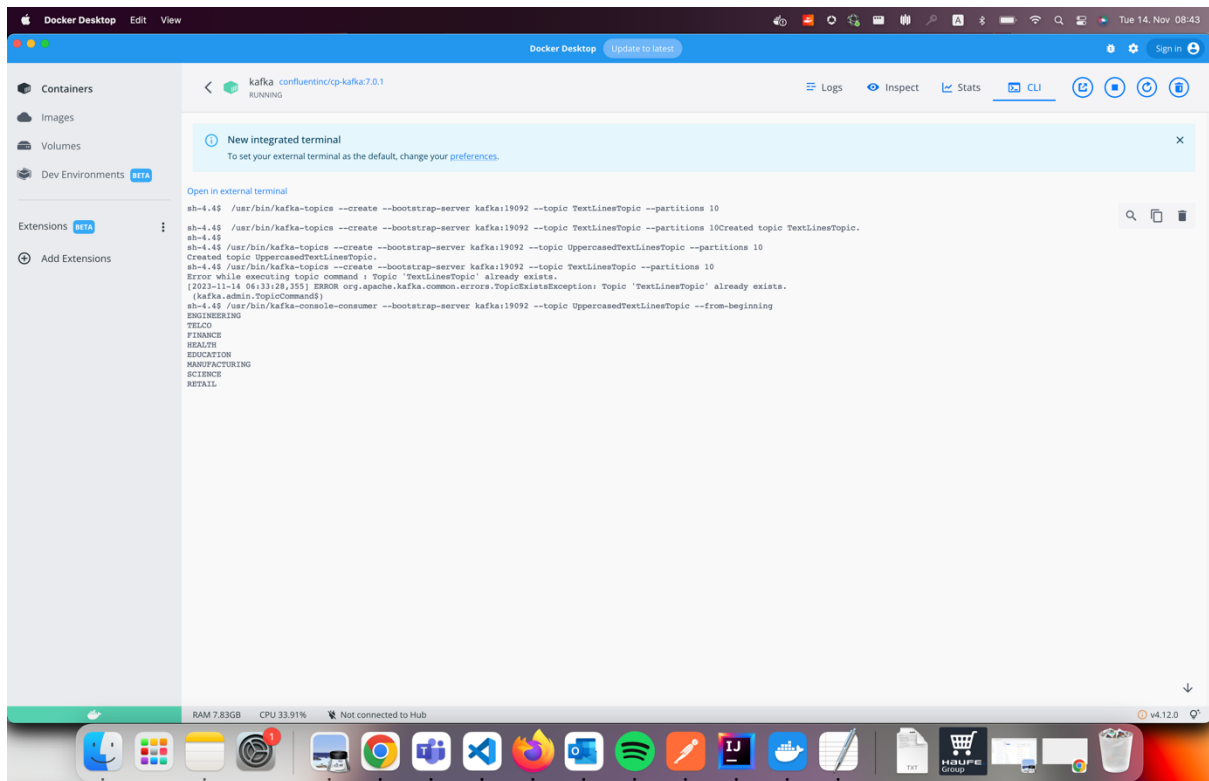
4. Run streams.MapFunctionLambdaProducer or

Produce some values with the console producer.

```
docker exec -ti kafka /usr/bin/kafka-console-producer --bootstrap-server kafka:19092 --topic TextLinesTopic
```

5. Check the topic UppercasedTextLinesTopic

```
docker exec -ti kafka /usr/bin/kafka-console-consumer --bootstrap-server kafka:19092 --topic UppercasedTextLinesTopic --from-beginning
```



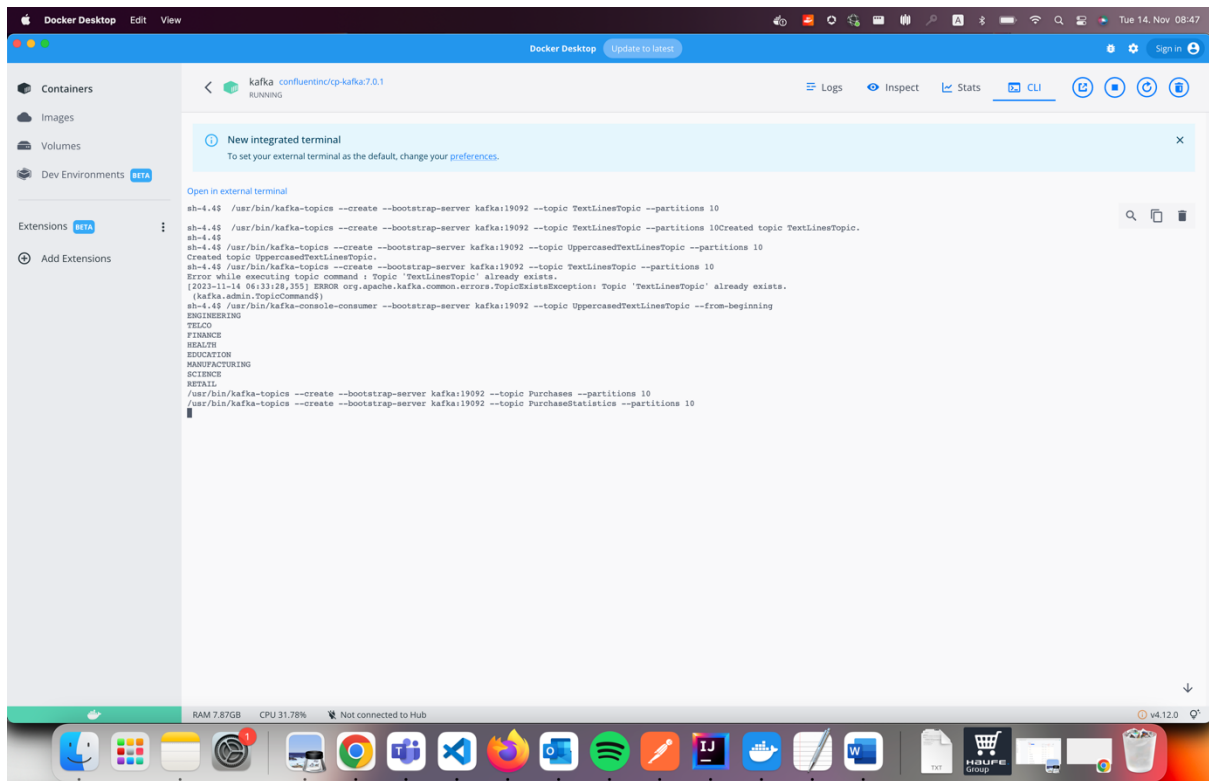
Lab8_2

1. Create two topics:

or from the Kafka terminal (Docker Desktop):

```
/usr/bin/kafka-topics --create --bootstrap-server kafka:19092 --topic Purchases --partitions 10
```

```
/usr/bin/kafka-topics --create --bootstrap-server kafka:19092 --topic PurchaseStatistics --partitions 10
```



2. Run streams.PurchaseStatisticsKStreamConsumer

The application must be running

3. Run streams.PurchaseStatisticsProduder

4. Check the topic PurchaseStatistics

`/usr/bin/kafka-console-consumer --bootstrap-server kafka:19092 --topic PurchaseStatistics --from-beginning`

