Taula sortu flinken

```
CREATE TABLE LANA (
   usid BIGINT,
   action STRING,
   ts TIMESTAMP(3),
   x BIGINT,
   y BIGINT,
   z BIGINT
) WITH (
   'connector'='kafka',
   'topic'='smart',
   'scan.startup.mode'='earliest-offset',
   'properties.bootstrap.servers'='kafka:9092',
   'format'='json');
```

—---

Elasticsearchekin konektatzeko taula sortu

```
CREATE TABLE datuak(
   x BIGINT,
   y BIGINT,
   z BIGINT,
   ts BIGINT
) WITH (
   'connector' = 'elasticsearch-7',
   'hosts' = 'http://elasticsearch:9200',
   'index' = 'datuak'
);
```

—---

Datuak sartu elasticsearchea

```
INSERT INTO datuak
SELECT x,y,z, HOUR(TUMBLE_START(ts, INTERVAL '1' HOUR))

FROM LANA;
```

—---

FLINK-ETAZ APARTE:

Kafka-mqtt martxan jartzeko komandoa

```
docker run --rm --network kafka_default confluentinc/cp-kafka:5.1.0 kafka-console-consumer
--bootstrap-server kafka:9092 --topic connect-custom --from-beginning
```

Publisher-ak ongi funtzionatzen duela egiaztatzeko subscriber-a martxan jartzeko komandoa

```
docker run -it --rm --name mqtt-publisher --network kafka_default efrecon/mqtt-client sub -h
mosquitto -t "smart”
```