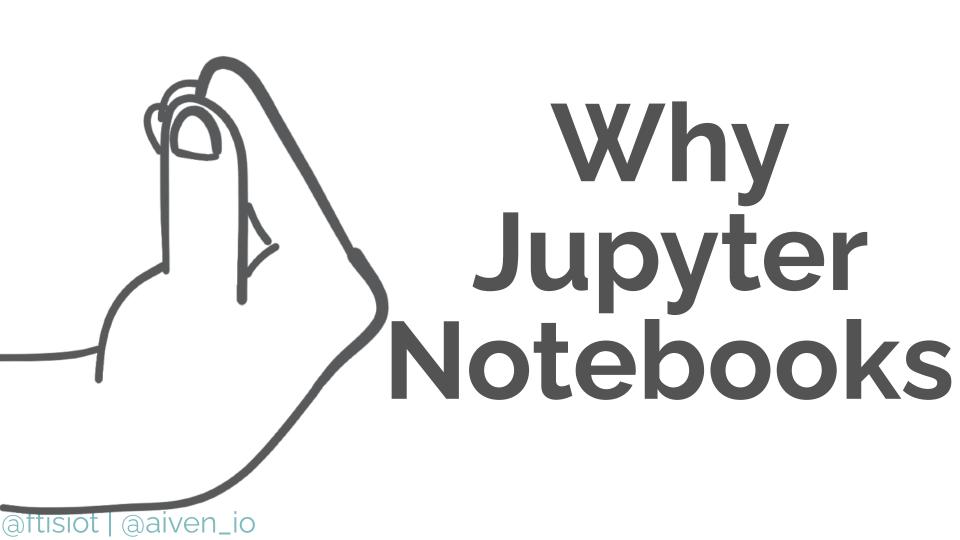


Get to Know Apache Kafka with Jupyter Notebooks

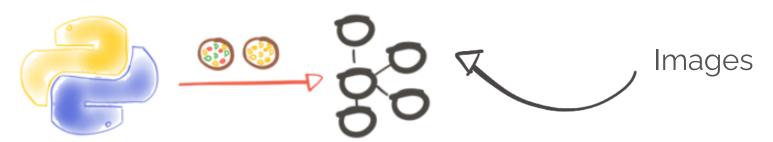
Francesco Tisiot - @ftisiot - Developer Advocate







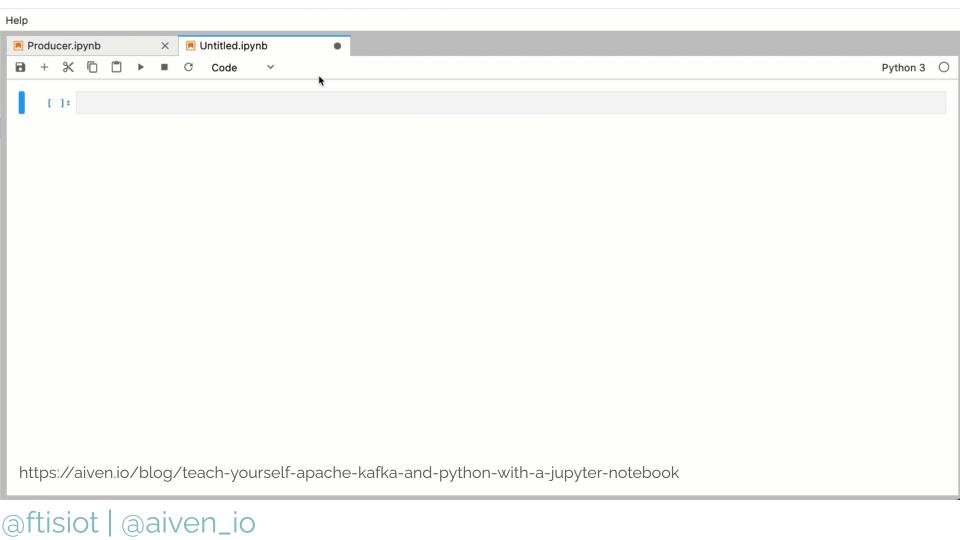
Now we can create a Kafka Producer

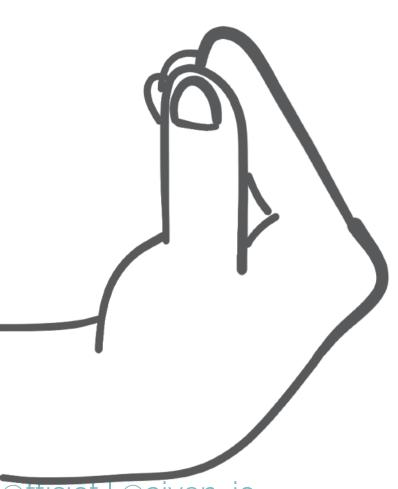


we need to have an Apache Kafka instance already available, if not you can easily create one on Aiven.io

```
from kafka import KafkaProducer
import json
from config.kafka_config import *

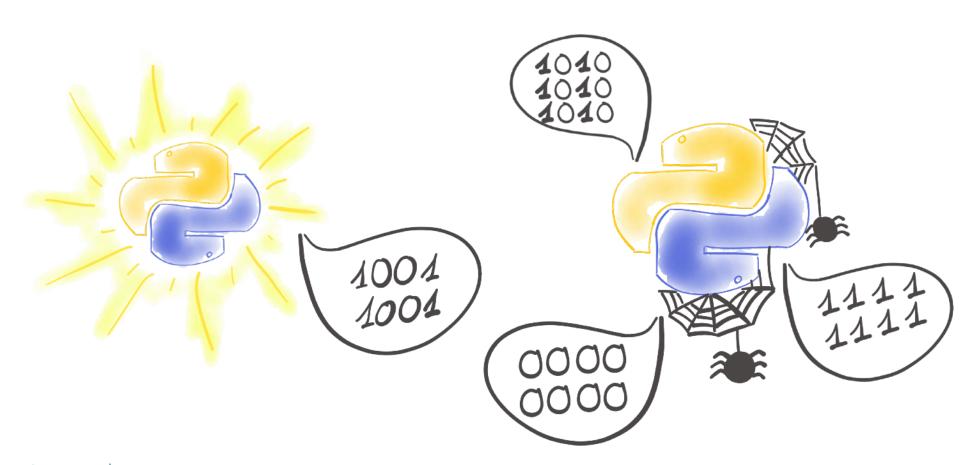
producer = KafkaProducer(
  bootstrap_servers=hostname+":"+str(port),
  security_protocol="SSL",
  ssl_cafile=cert_folder+"/ca.pem",
  ssl_certfile=cert_folder+"/service.cert",
```

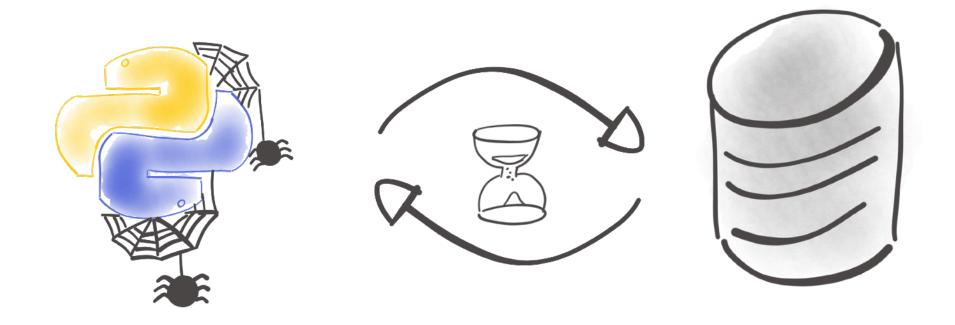




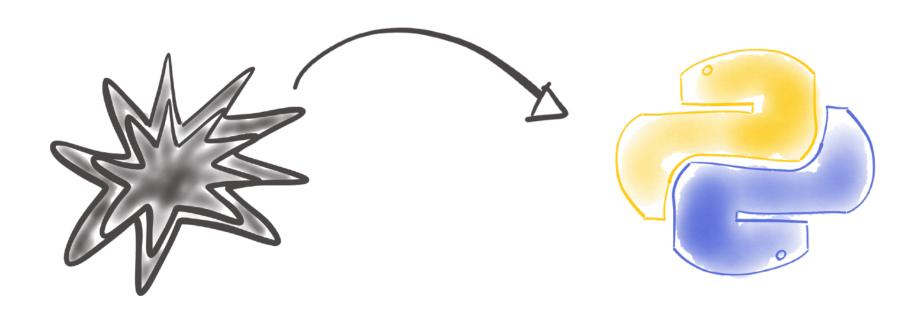
Why Apache Kafka

aftisiot | aaiven_io

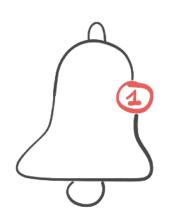




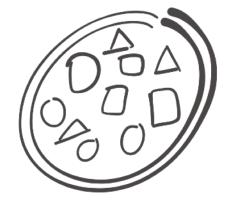
Event-Driven Applications



What is an Event



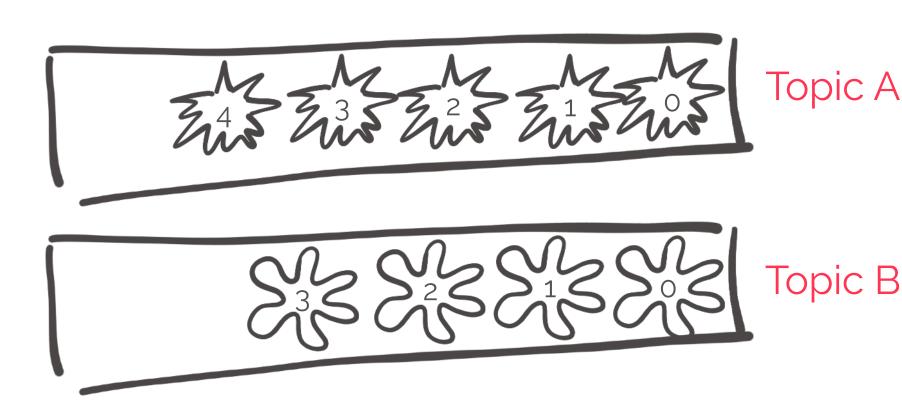




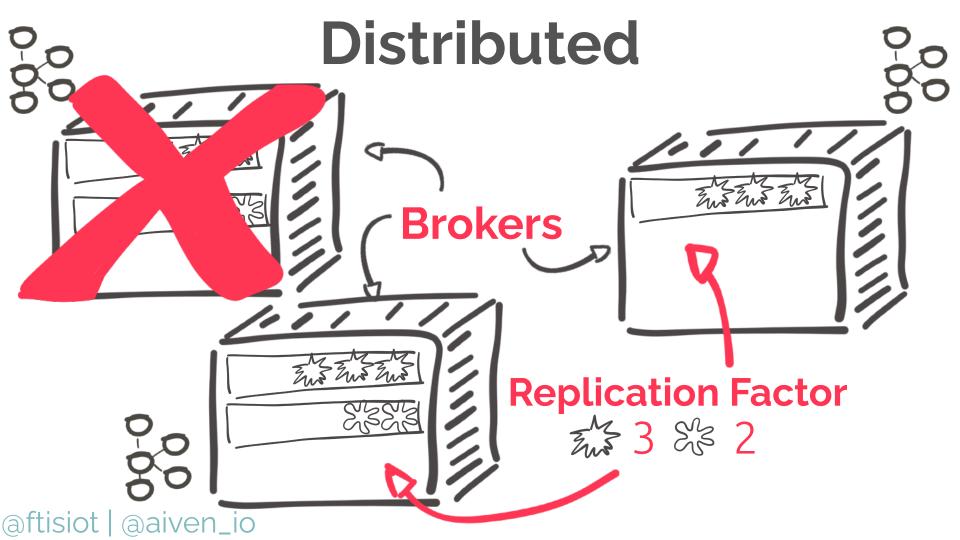
Why Event Driven?



What is Kafka

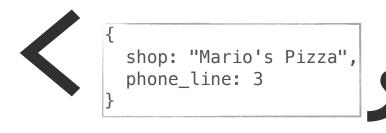






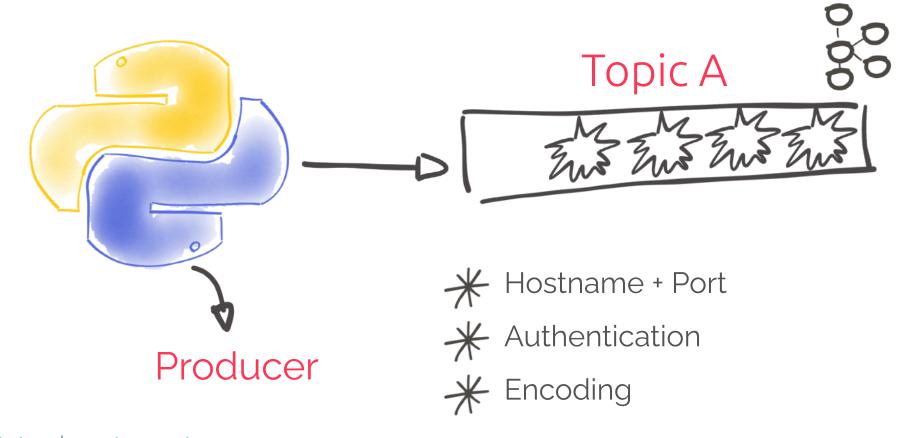
What's a Kafka Event?



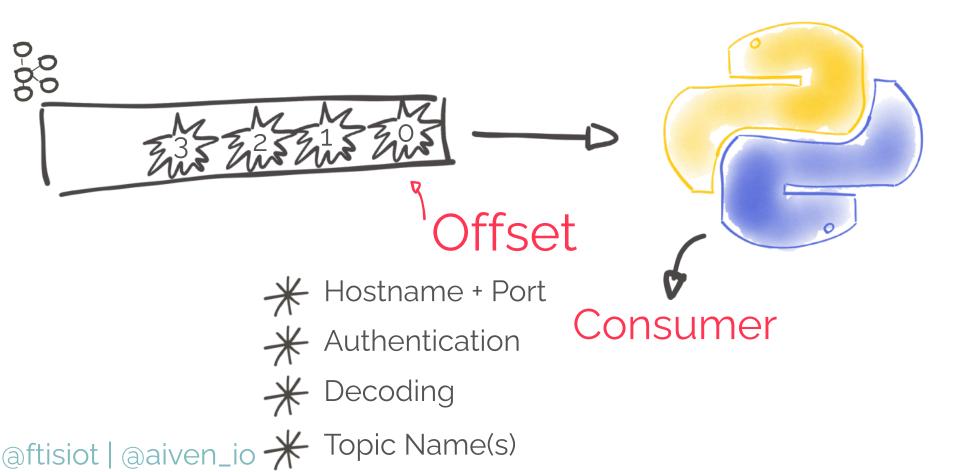




Write to Kafka

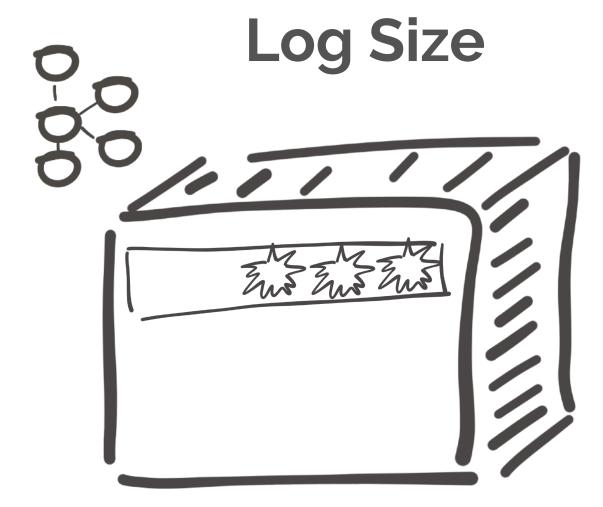


Read from Kafka

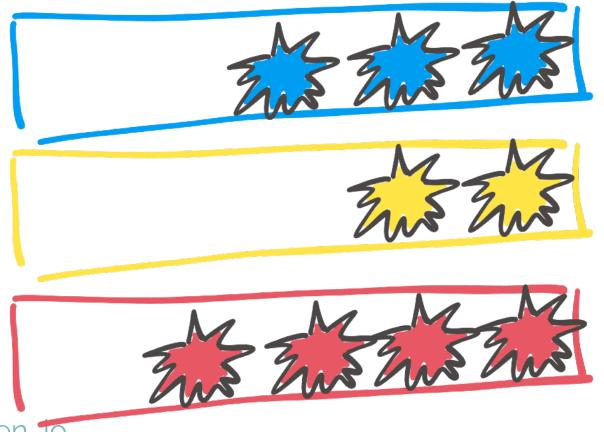


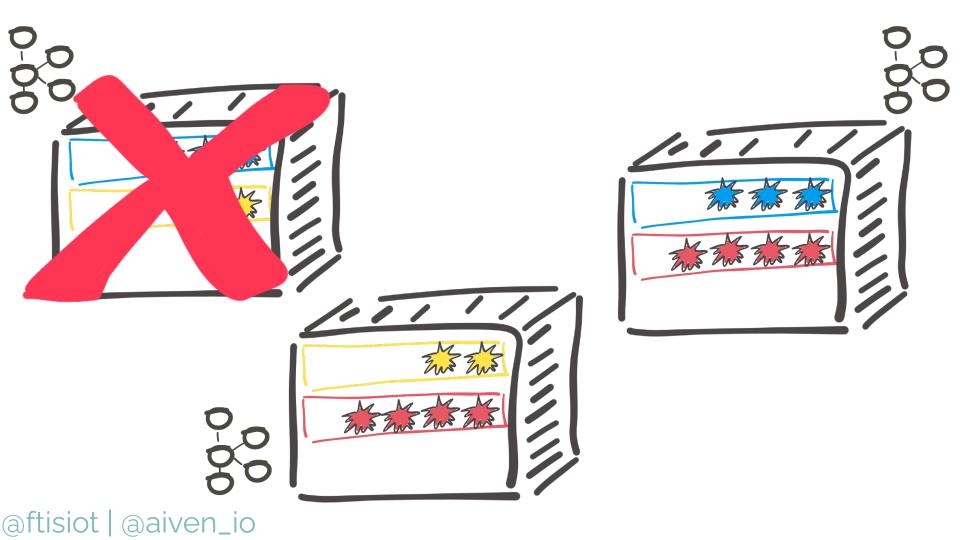
Pizza Demo!



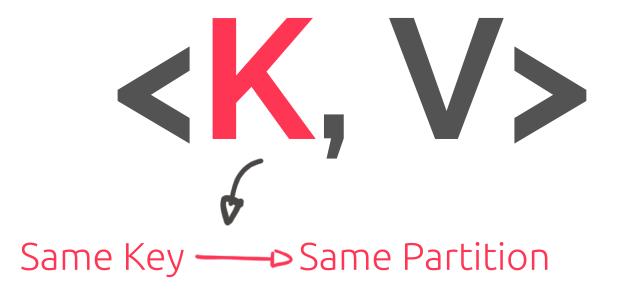


Topic Partitions

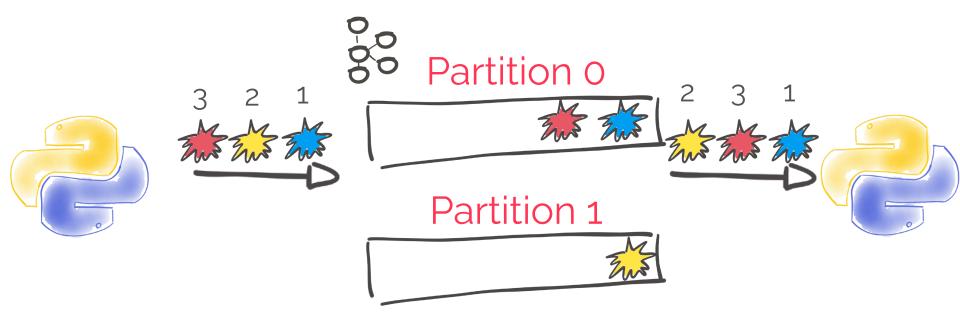




Selecting the Partition

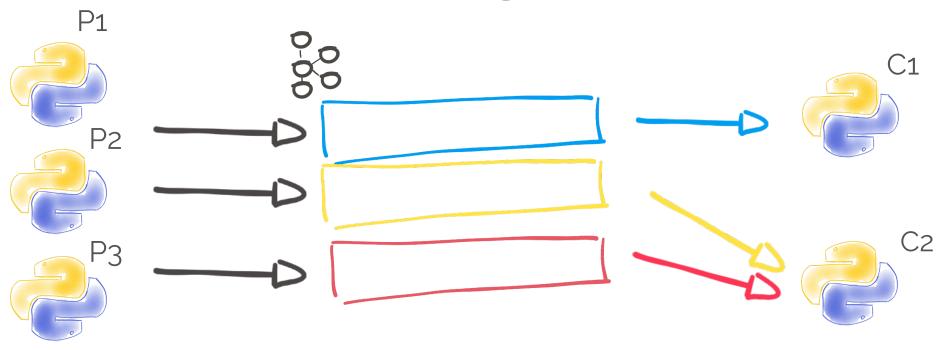


Topic Partitions



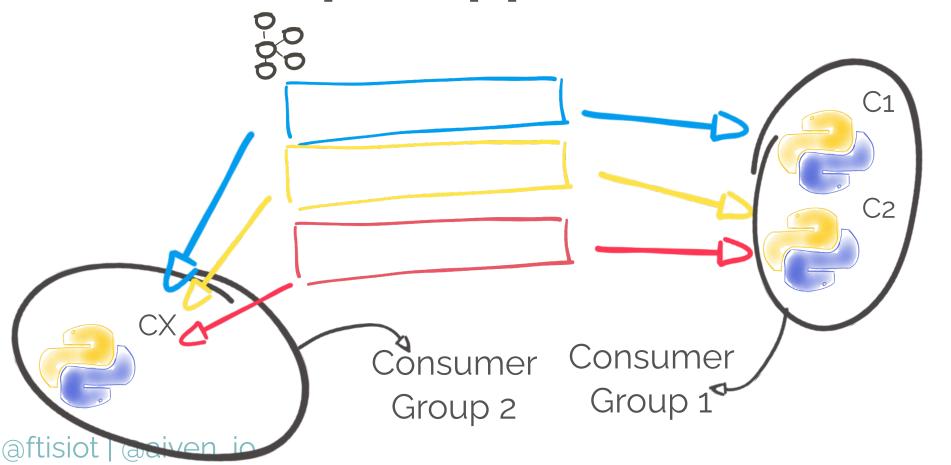
Guaranteed per Partition

Scaling Out

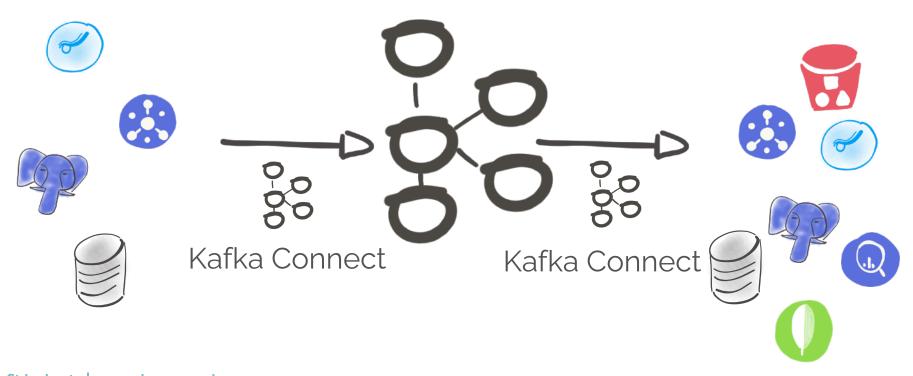




Multiple Applications



Kafka Connect



References



https://github.com/aiven/python-notebooks-for-apache-kafka



https://github.com/aiven/kafka-python-fake-data-producer



https://aiven.io