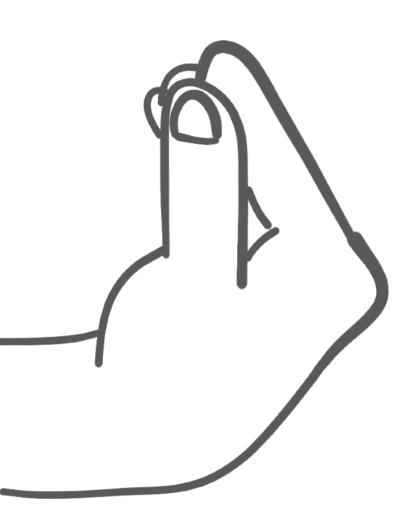


Event-Driven Applications: Apache Kafka and Python

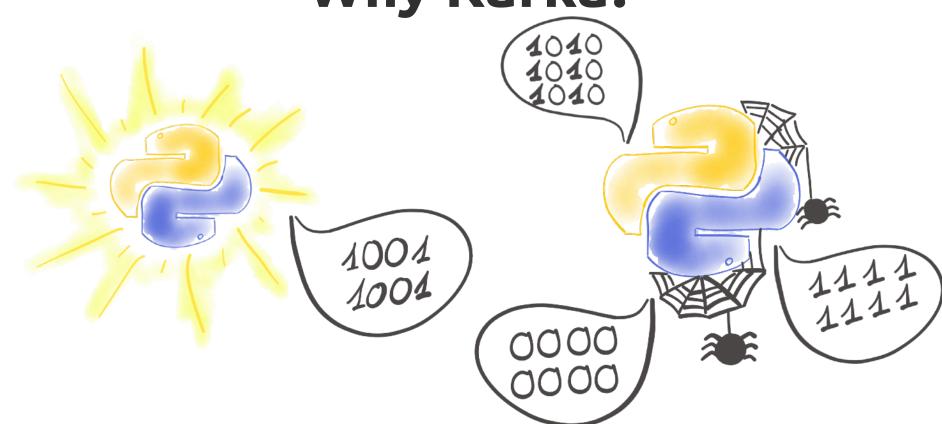
Francesco Tisiot - Developer Advocate



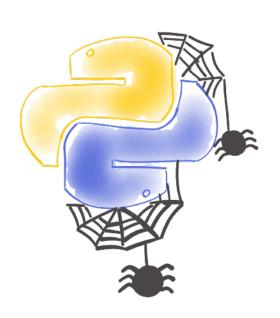


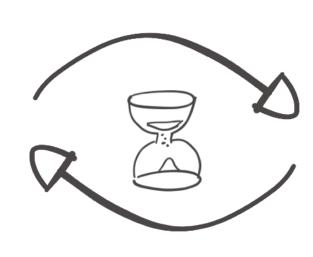
Why Kafka?

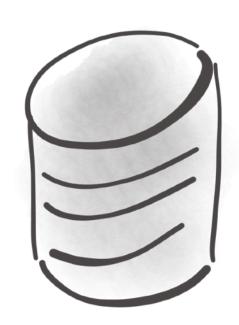
Why Kafka?



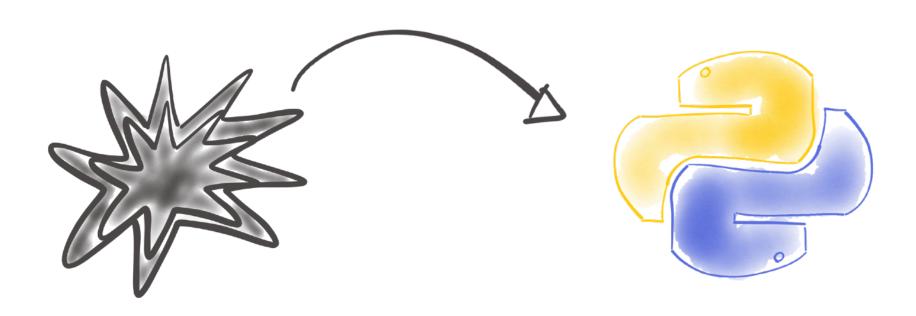
Why Kafka?







Event-Driven Applications



What is an Event?



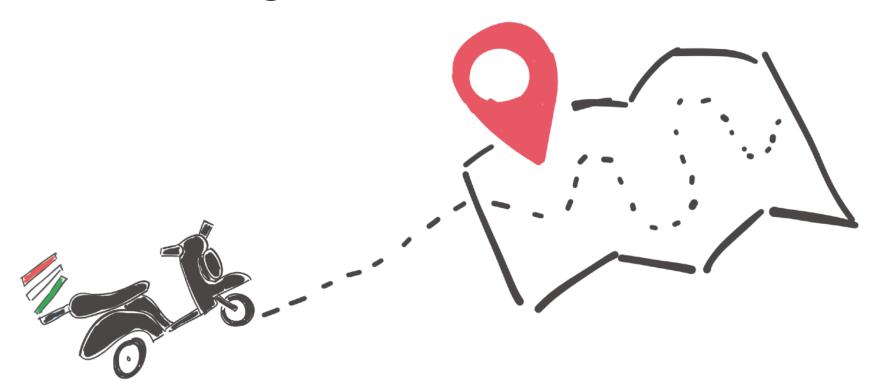




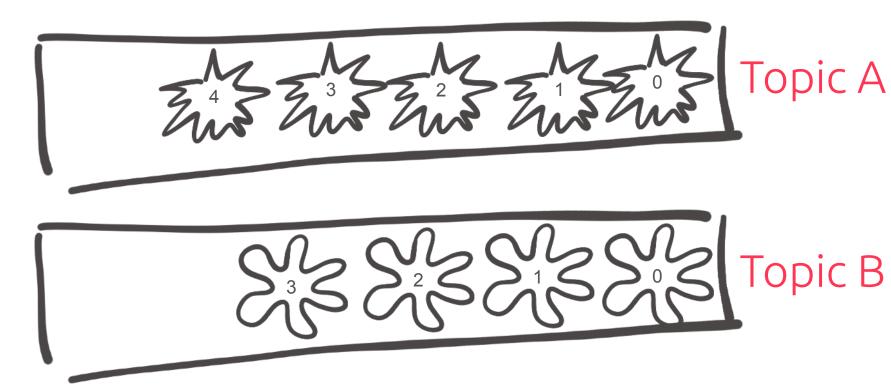


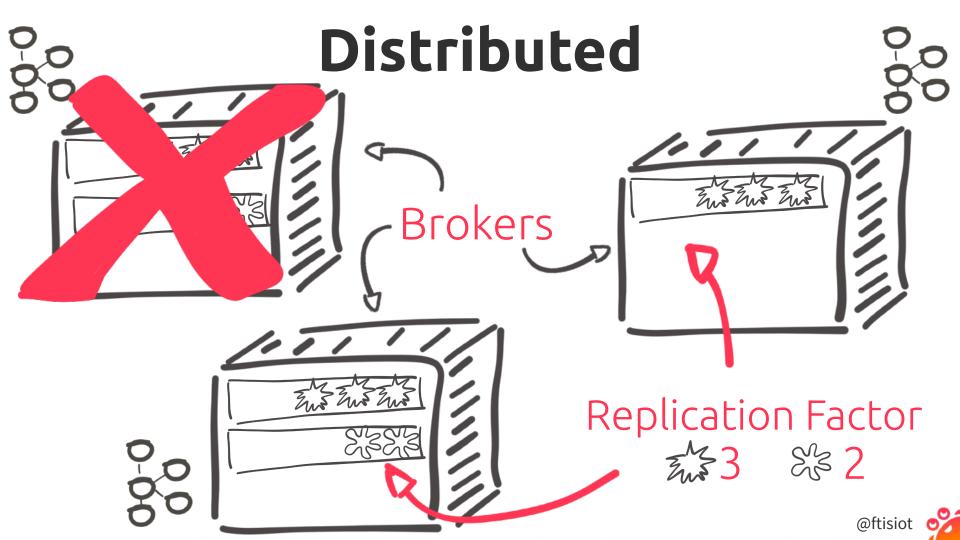


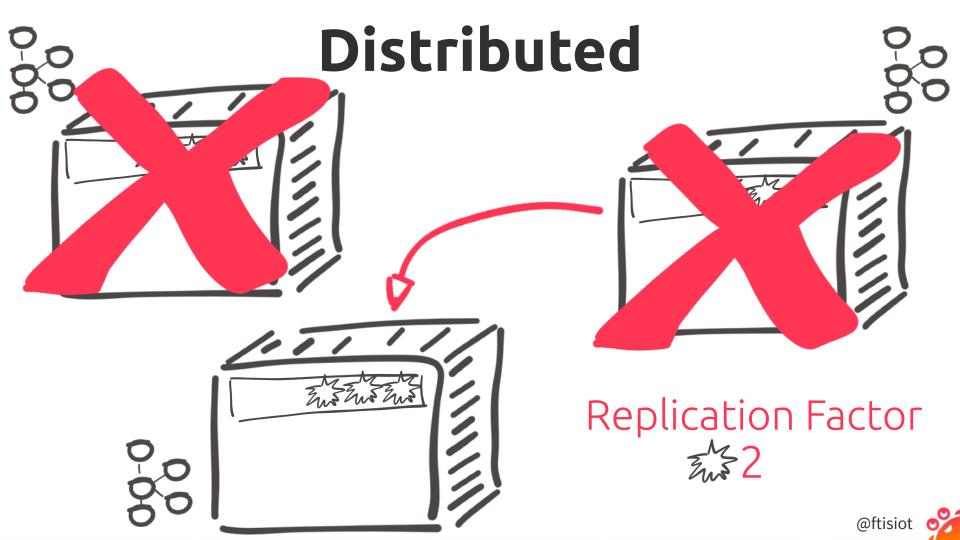
Why Event-Driven?



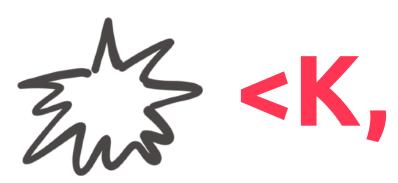
What is Kafka?

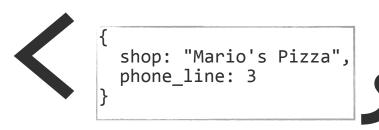


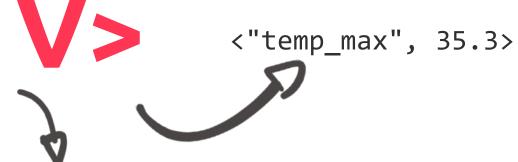




What is a Kafka Event?

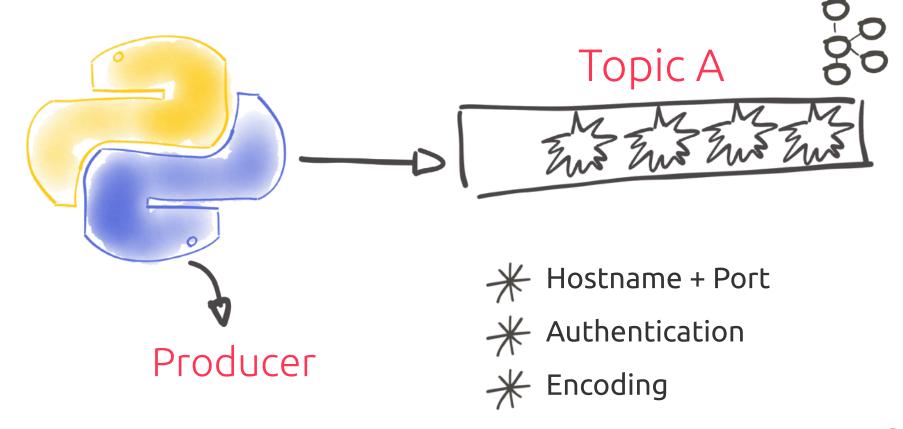




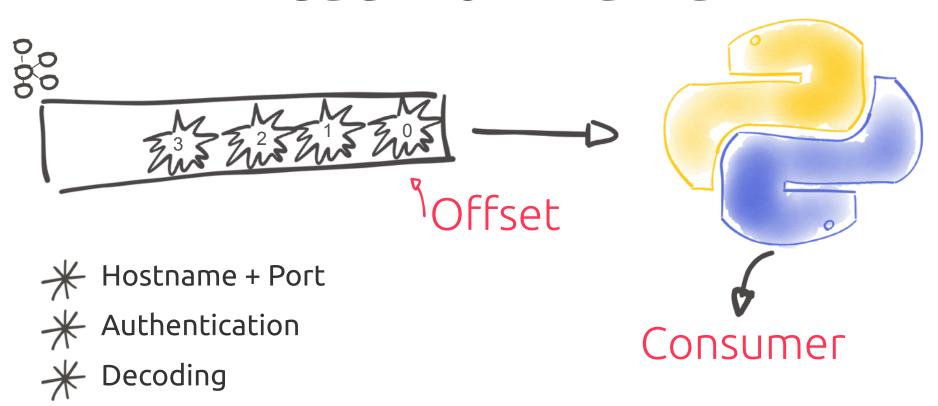




Write to Kafka

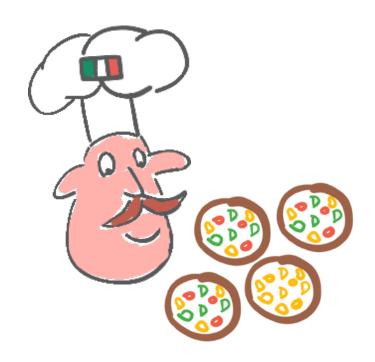


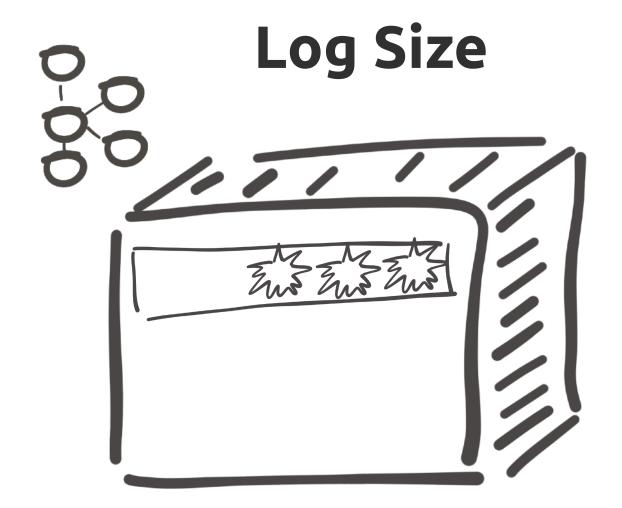
Read from Kafka



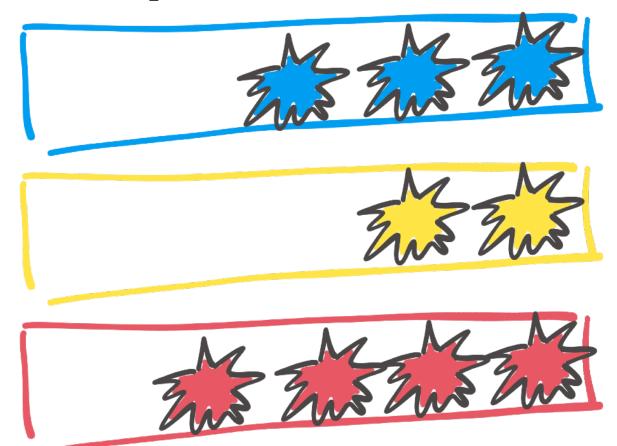
Topic Name(s)

Pizza Demo!



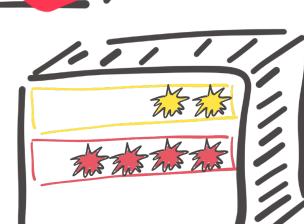


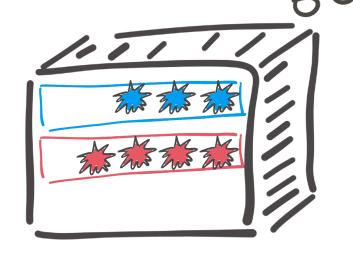
Topic Partitions



Distributed







Topic Retention Policies



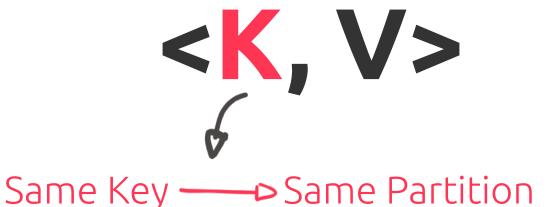
Time



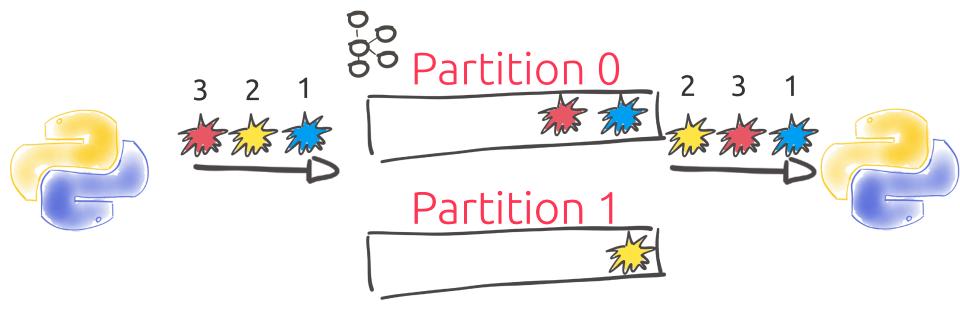
Size



Selecting a Partition



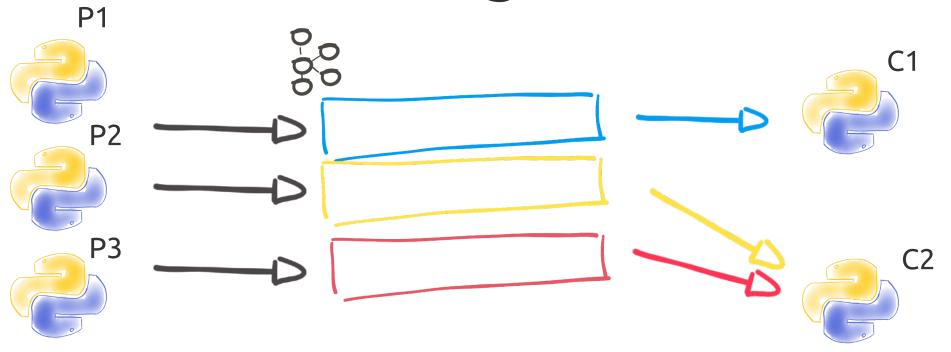
Ordering



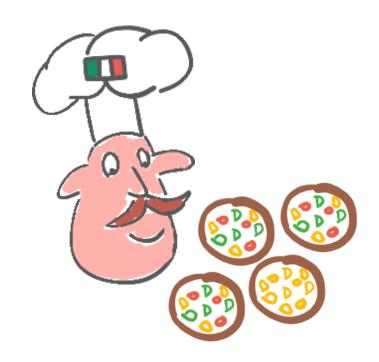
Guaranteed per Partition



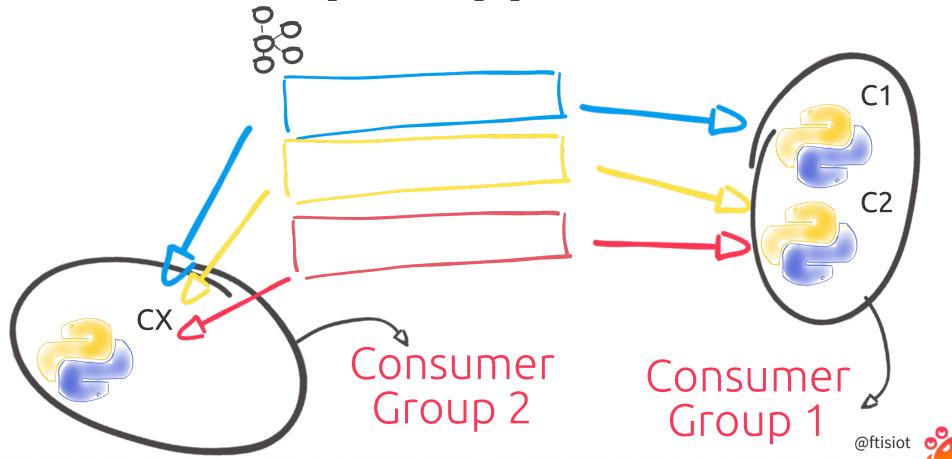
Scaling Out



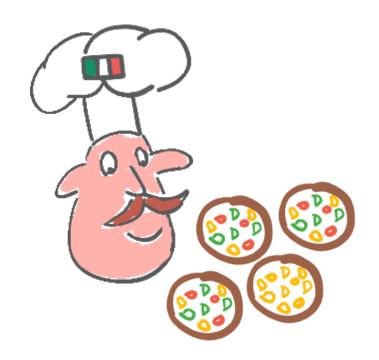
Partitions Demo!



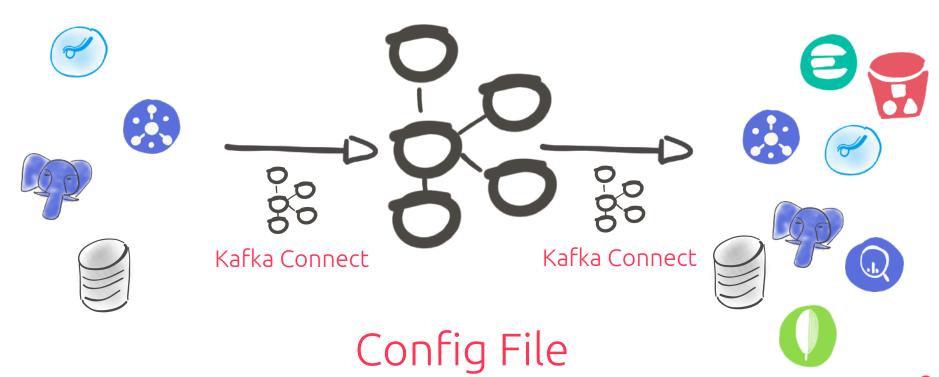
Multiple Applications



Consumer Groups Demo!

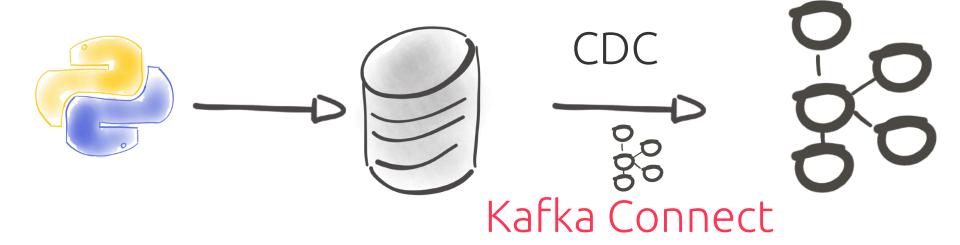


Kafka Connect

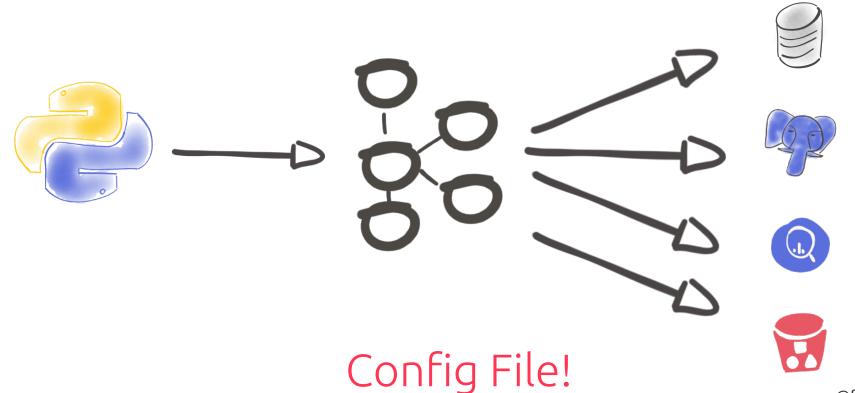




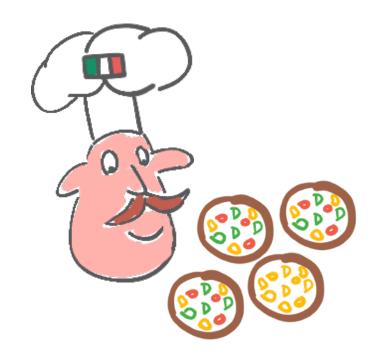
Evolve Existing Applications



Distribute Events



Kafka Connect Demo!



Resources



@ftisiot



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



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



https://aiven.io/



Ask me Anything

