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KIN + CARTA

PROVING WHAT HUMANITY IS CAPABLE OF



KAFKA AVRO PRIMER

WHAT IS AVRO?

- A serialization framework
- JSON data types
- Serializes in a compact binary format
- Provides a method to convert unstructured and structured data into a structured format



WHY AVRO?

- Rich data structures.
- A compact, fast, binary data format.
- A container file, to store persistent data.
- Remote procedure call (RPC).



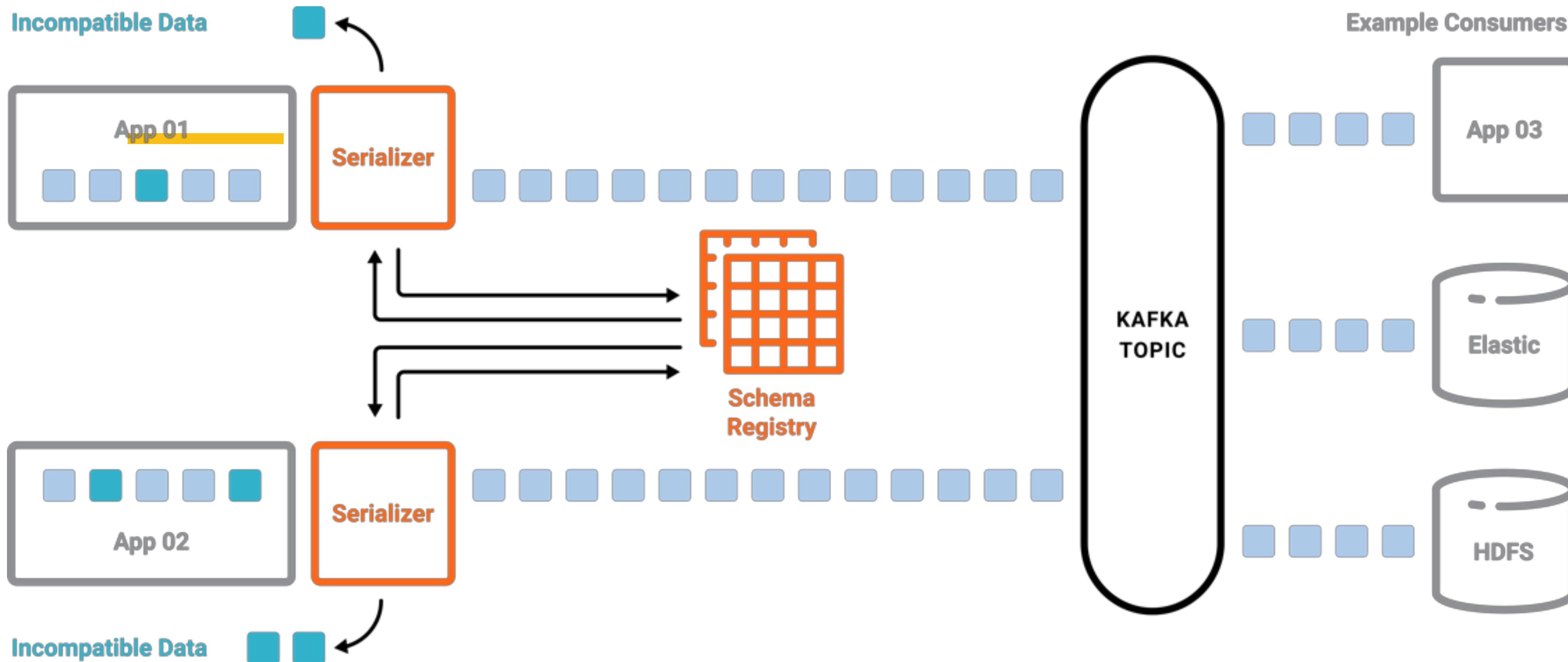
Netflix services 130 million subscribers from 190+ countries. The streaming platform produces trillions of events and petabytes worth of data to support day to day business needs.

WHY SCHEMA REGISTRY?

Simply put, we want to avoid garbage-in-garbage-out scenarios. Schema Registry enables message producers to comply to a JSON schema and avoid producers from pushing message that are bad in to topics.

This saves a lot of headache for down-stream consumer. Schema Registry is a critical component in enforcing data governance in a messaging platform.

THE HOW



SAMPLE APPLICATION

In our sample application we will build a Spring Boot microservice that produces messages and uses Avro to serialize and push them into Kafka. Once we define the schema, we then generate the Java source code using the maven plugin.

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Thank You