Kafka Stream tool for local test : apache kafka

Apache Kafka topics : below topics created for testing as per use case.

Customer – to consume Customer Mesessage

CustomerODD – to publish customer payload if age is ODD.

CustomerEVEN- to publish customer payload if age is EVEN.

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Description automatically generated

**Case 1 :**

**Stream customer data to CustomerODD TOPIC : if customer age is ODD**

**Step 1. Publish Customer message to Customer Topic**

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**Output : Message is published to CustomerODD Topic**

**Logs**

2024-09-26T23:38:42.406+08:00 INFO 41304 --- [nio-8081-exec-2] c.c.t.k.s.streams.CustomerKafkaProducer : Message sent: -> Customer{firstName='Rajneesh', lastName='K with Age ODD', dateOfBirth=1993-09-01}to Topic : Customer

2024-09-26T23:38:42.451+08:00 INFO 41304 --- [ntainer#0-0-C-1] c.c.t.k.s.streams.CustomerKafkaConsumer : Consuming message from topic -> Customer

2024-09-26T23:38:42.452+08:00 INFO 41304 --- [ntainer#0-0-C-1] c.c.t.k.s.streams.CustomerKafkaConsumer : Message received -> Customer{firstName='Rajneesh', lastName='K with Age ODD', dateOfBirth=1993-09-01}

2024-09-26T23:38:42.460+08:00 INFO 41304 --- [ntainer#0-0-C-1] c.c.t.k.s.streams.CustomerKafkaProducer : Message sent: -> Customer{firstName='Rajneesh', lastName='K with Age ODD', dateOfBirth=1993-09-01}to Topic : CustomerODD

**Consumer Testing Terminal**

**Consumed Message on TOPIC CustomerODD topic on command terminal for testing**

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**Case 2 :**

**Stream customer data to CustomerEVEN TOPIC : if customer age is EVEN**

**Step 1. Publish Customer message to Customer Topic**

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Logs :

2024-09-26T23:41:18.045+08:00 INFO 41304 --- [nio-8081-exec-5] c.c.t.k.s.streams.CustomerKafkaProducer : Message sent: -> Customer{firstName='Rajneesh', lastName='K with Age EVEN', dateOfBirth=1992-09-01}to Topic : Customer

2024-09-26T23:41:18.053+08:00 INFO 41304 --- [ntainer#0-0-C-1] c.c.t.k.s.streams.CustomerKafkaConsumer : Consuming message from topic -> Customer

2024-09-26T23:41:18.054+08:00 INFO 41304 --- [ntainer#0-0-C-1] c.c.t.k.s.streams.CustomerKafkaConsumer : Message received -> Customer{firstName='Rajneesh', lastName='K with Age EVEN', dateOfBirth=1992-09-01}

2024-09-26T23:41:18.054+08:00 INFO 41304 --- [ntainer#0-0-C-1] c.c.t.k.s.streams.CustomerKafkaProducer : Message sent: -> Customer{firstName='Rajneesh', lastName='K with Age EVEN', dateOfBirth=1992-09-01}to Topic : CustomerEVEN

A screenshot of a computer program

Description automatically generated