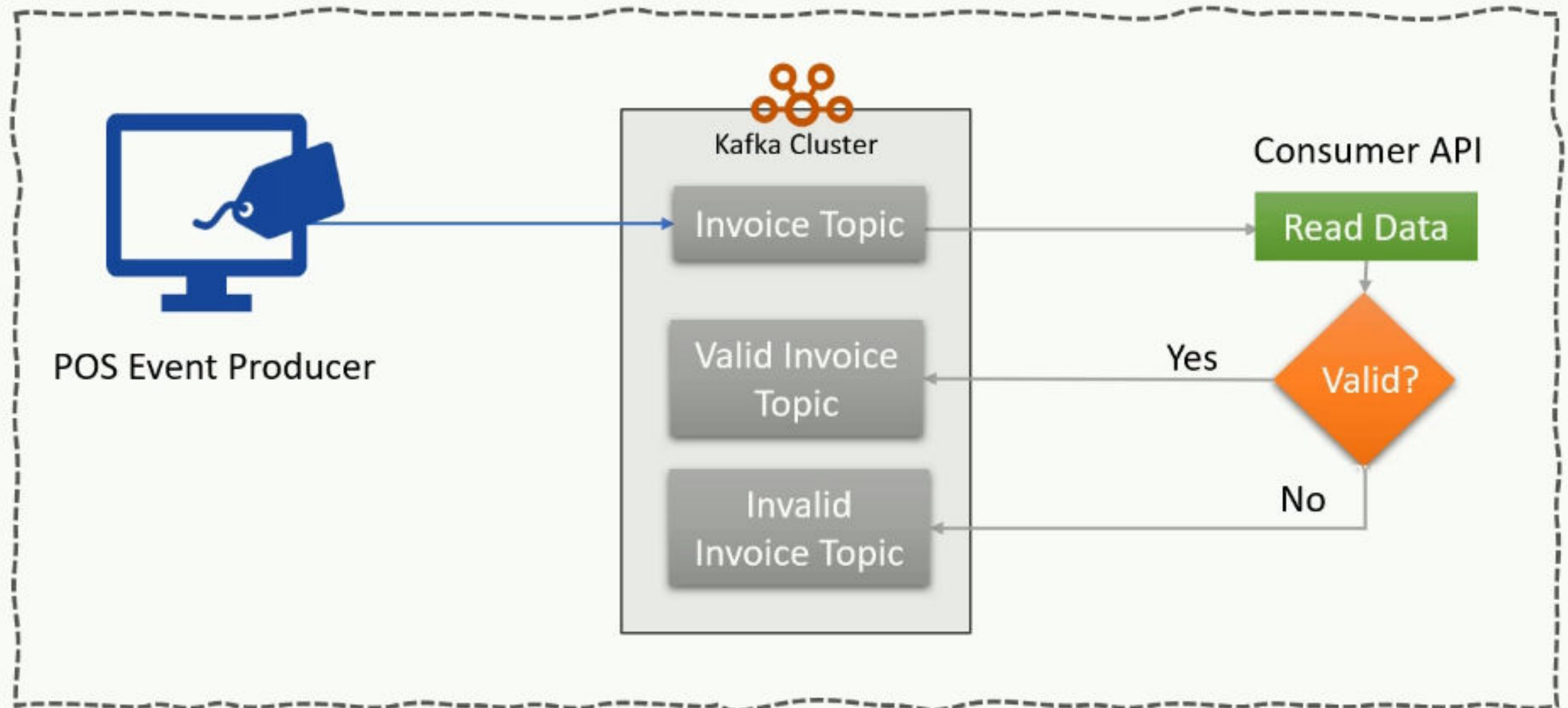
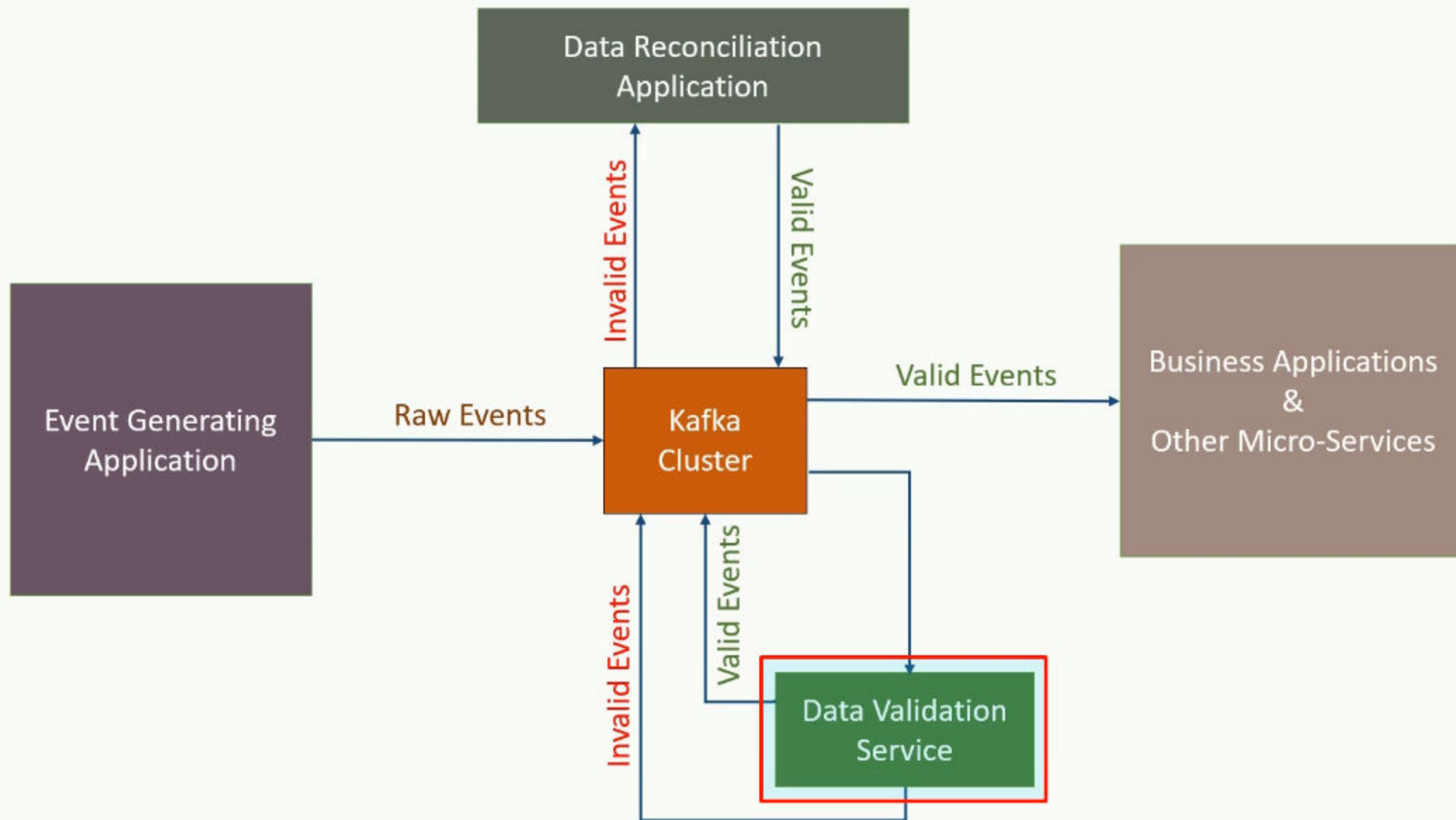


Stream Processing

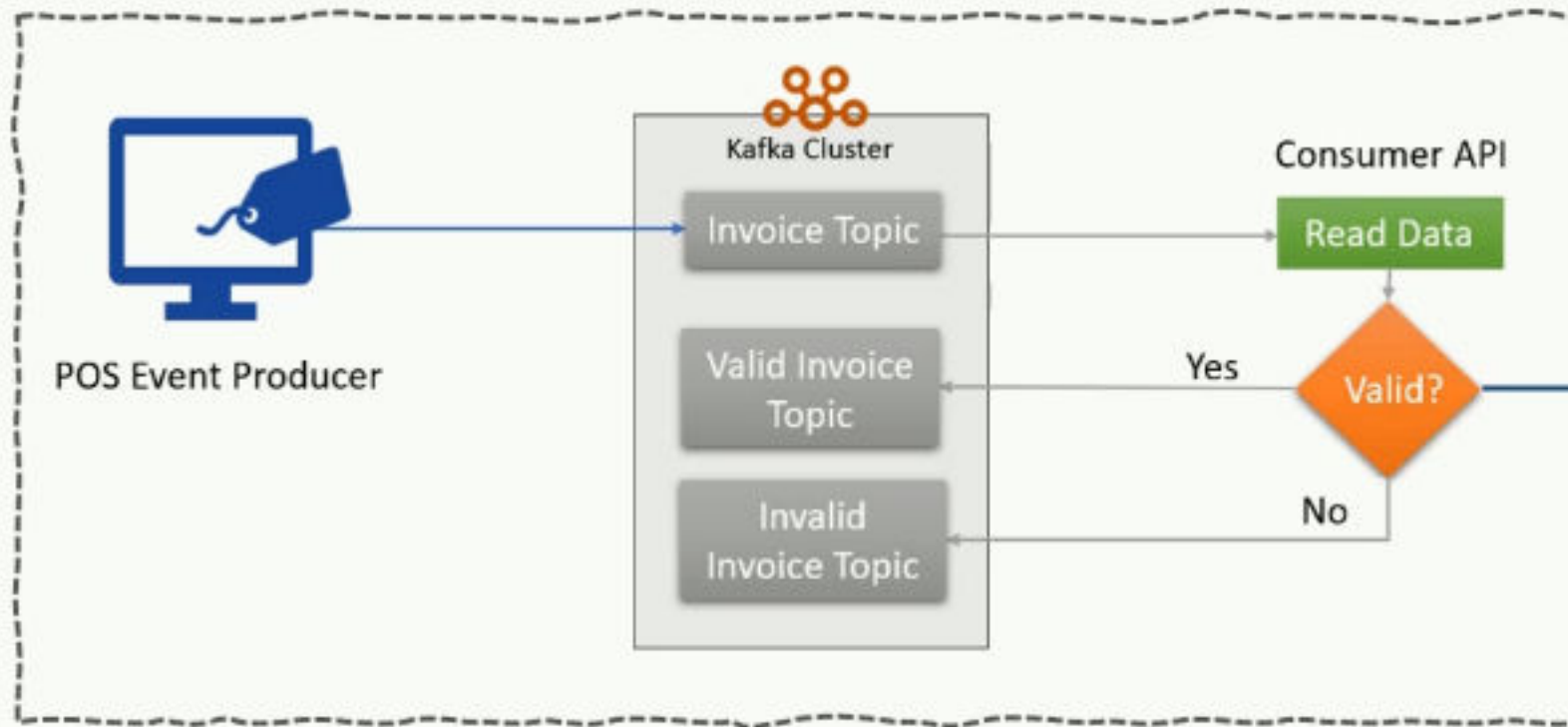
Creating Kafka Consumer Application

Problem Statement





Creating Kafka Consumer Application



What is Invalid?

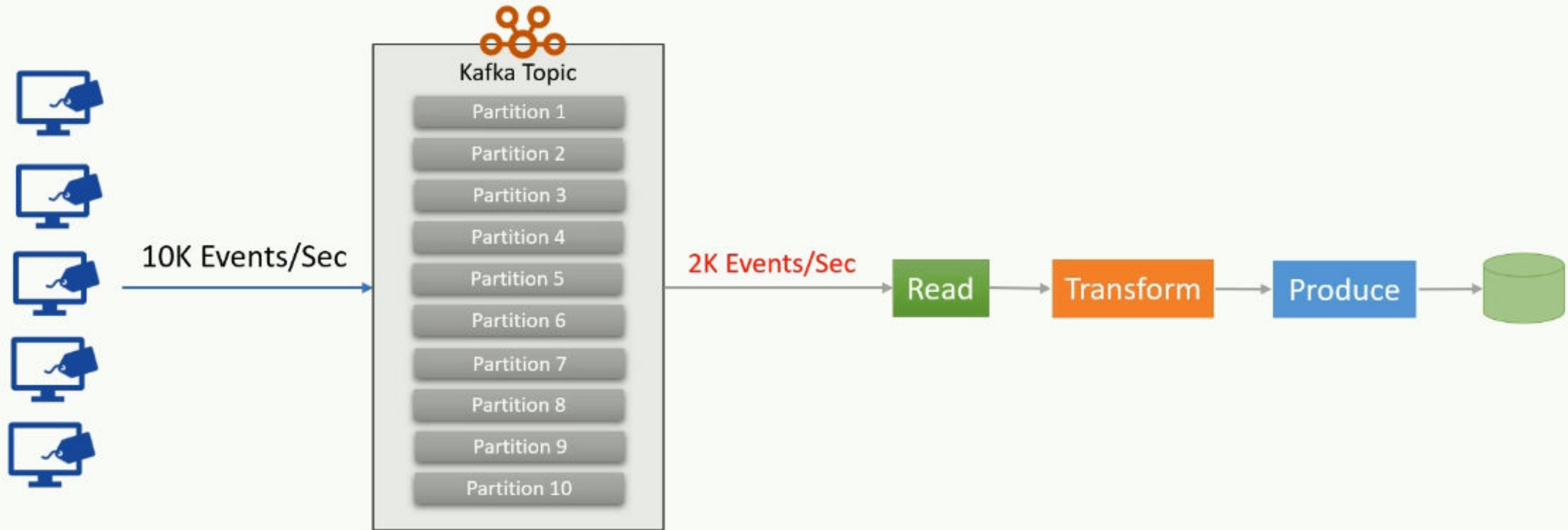
Delivery Type = **HOME DELIVERY**

AND

Delivery Address -> Contact No = **NULL**


```
35
36 KafkaConsumer<String, PosInvoice> consumer = new KafkaConsumer<String, PosInvoice>(consumerProps);
37 consumer.subscribe(Arrays.asList(AppConfigs.sourceTopicNames));
38
39 Properties producerProps = new Properties();
40 producerProps.put(ProducerConfig.CLIENT_ID_CONFIG, AppConfigs.applicationID);
41 producerProps.put(ProducerConfig.BOOTSTRAP_SERVERS_CONFIG, AppConfigs.bootstrapServers);
42 producerProps.put(ProducerConfig.KEY_SERIALIZER_CLASS_CONFIG, StringSerializer.class);
43 producerProps.put(ProducerConfig.VALUE_SERIALIZER_CLASS_CONFIG, JsonSerializer.class);
44
45 KafkaProducer<String, PosInvoice> producer = new KafkaProducer<String, PosInvoice>(producerProps);
46
47 while (true) {
48     ConsumerRecords<String, PosInvoice> records = consumer.poll(Duration.ofMillis(100));
49     for (ConsumerRecord<String, PosInvoice> record : records) {
50         if (record.value().getDeliveryType().equals("HOME-DELIVERY") &&
51             record.value().getDeliveryAddress().getContactNumber().equals("")) {
52             //Invalid
53             producer.send(new ProducerRecord<>(AppConfigs.invalidTopicName, record.value().getStoreID(),
54                 record.value()));
55             logger.info(s: "invalid record - " + record.value().getInvoiceNumber());
56         } else {
57             //Valid
58             producer.send(new ProducerRecord<>(AppConfigs.validTopicName, record.value().getStoreID(),
59                 record.value()));
60             logger.info(s: "valid record - " + record.value().getInvoiceNumber());
61         }
62     }
63 }
64 }
65 }
66
```

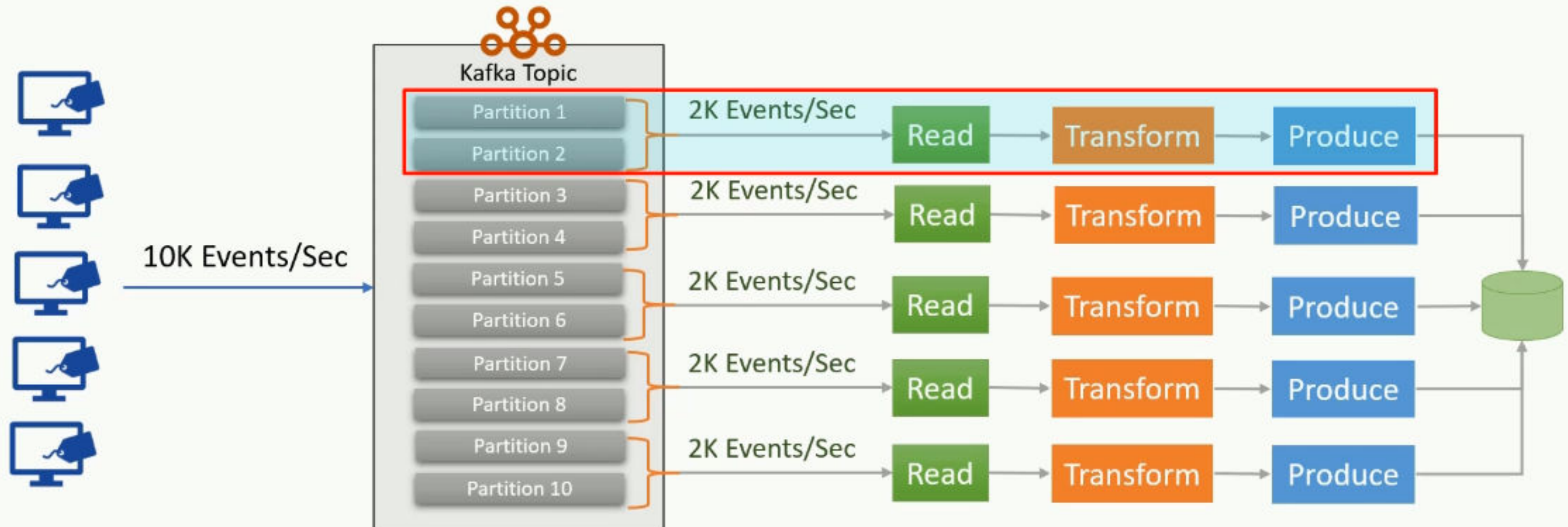
Kafka Consumer Application



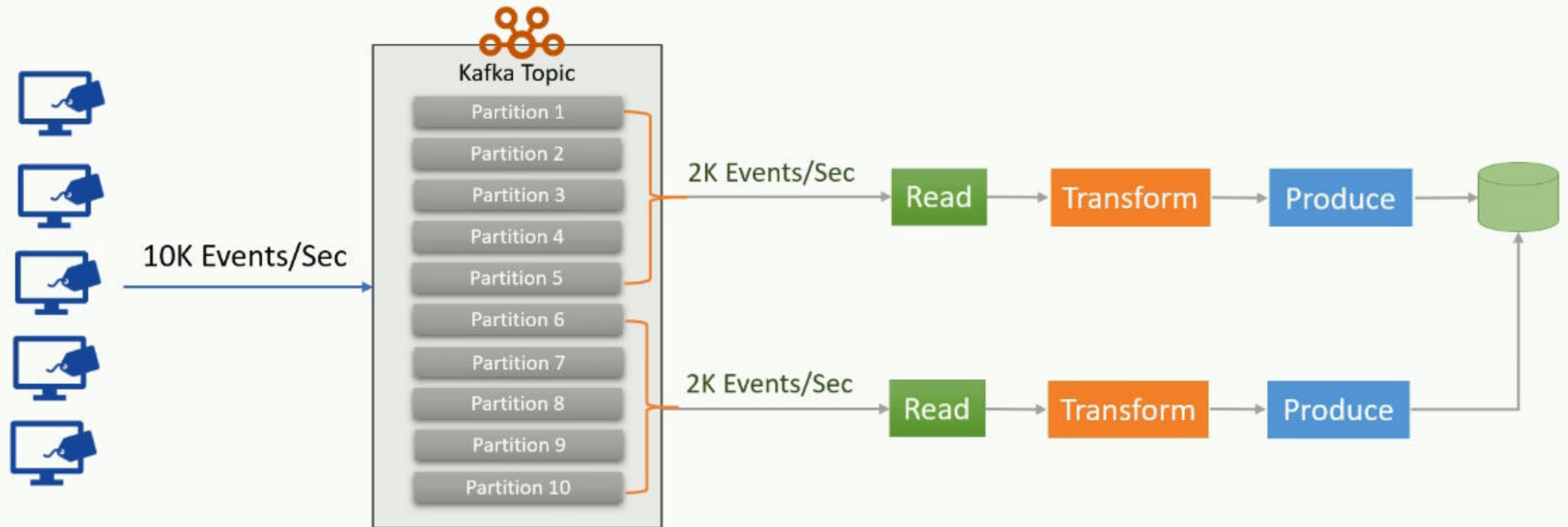
Kafka Consumer Application



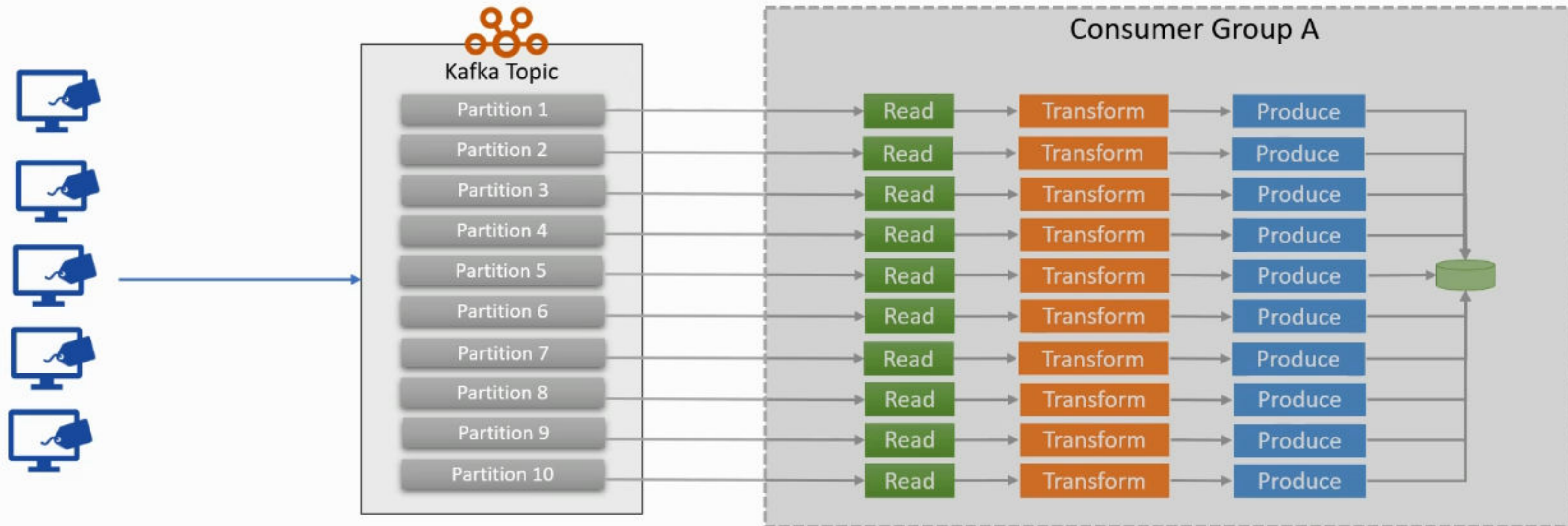
Kafka Consumer Application



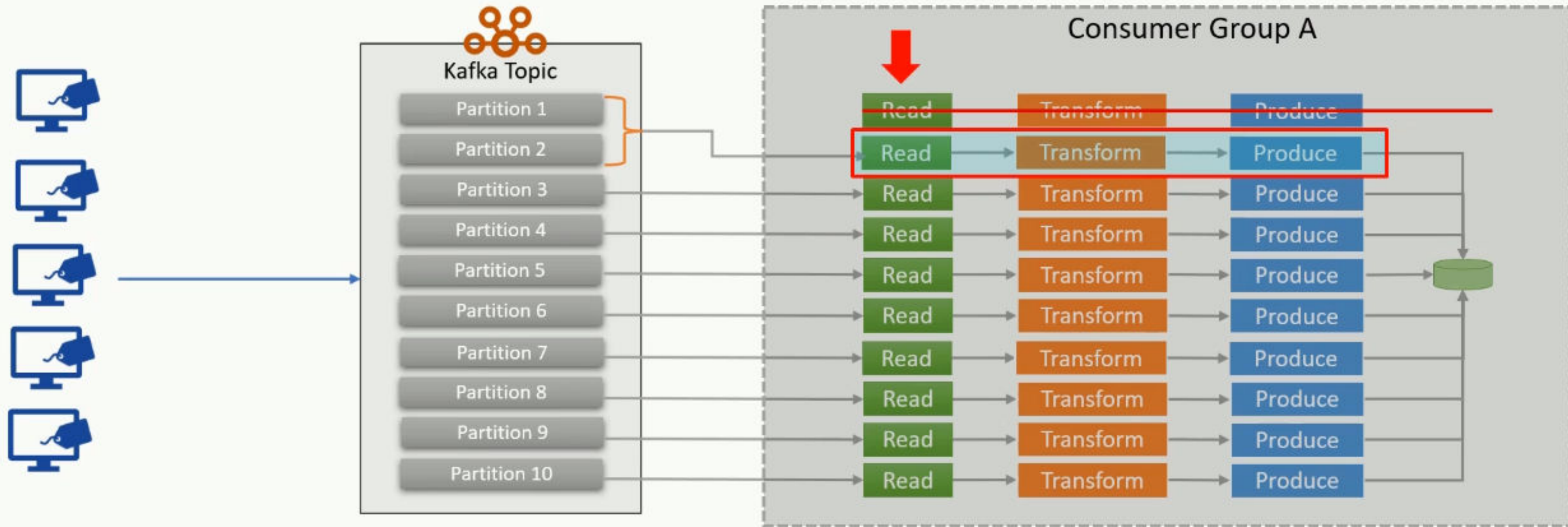
Kafka Consumer Application



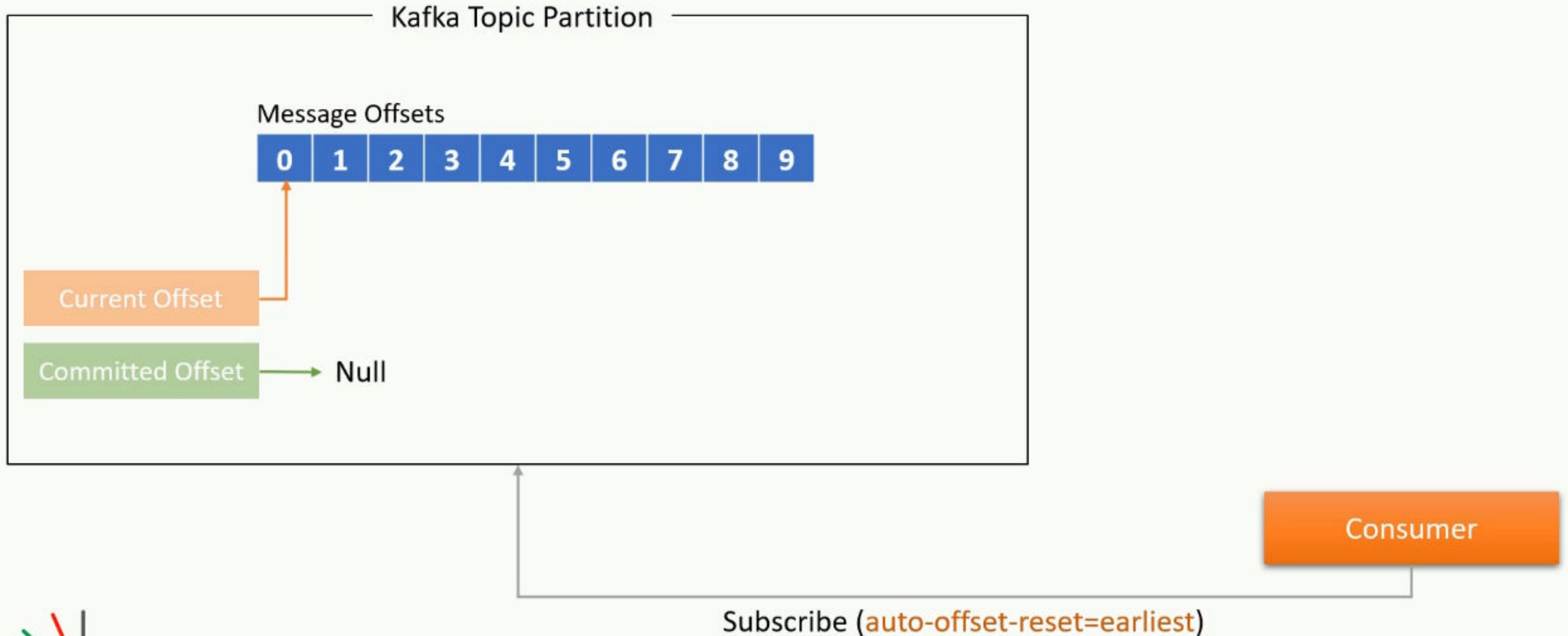
Kafka Consumer Application



Kafka Consumer Application



Kafka Consumer Application



Kafka Consumer Application

