

Read message from a specific offset in Kafka

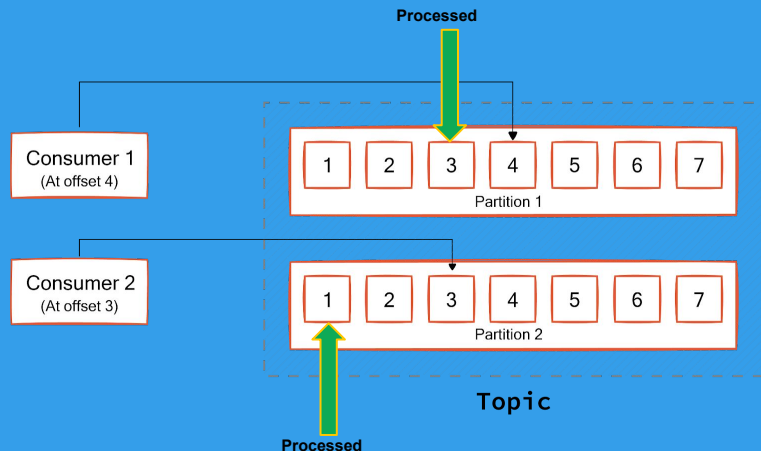
CoderInBoots

Why we need to read message from a specific offset ?

- To restart a process after failure. This helps to restart it from the point of failure
- Reading from the latest offset in a consumer group will not always help as some messages which is consumed might not be processed. So we need to seek to the point after the last processed message before failure.
- To meet the requirements of the use case

Consumers and Offsets

Consumer might have already consumed the message, but it might not be processed by the application. So we need to read it again based on the last processed message



**How to uniquely
identify a message in
Kafka ?**

Or

**What is the unique
address/pointer of a
message in Kafka ?**

A message in Kafka can be located by using three parameters

- Topic
- Partition
- Offset

So we can locate any message within a Kafka cluster if we know these details.