Tech Talk : Kafka for beginners

Taekwon 2024-02-15

Background for dealing with Kafka

incident-20240205-kafka-lag

https://ringleplus.sentry.io/issues/

이거 staging 에서만 발생하고 있어서 우선 순위 낮긴 한데.. 1) staging kafka 가 stuck 되어있고 2) sentry 를 잡아먹어서 보긴 봐야겠네요. 님과 kafka 들여다보실 분 한분 해서 보시면 어떨까요?

NoMethodError
undefined method `[]' for nil:NilClass
Issue assigned to @taekwon by @Siwoo Park
RAILS-AWV | Yesterday at 3:46 PM | Added by Sentry

12 replies Last reply 1 day ago

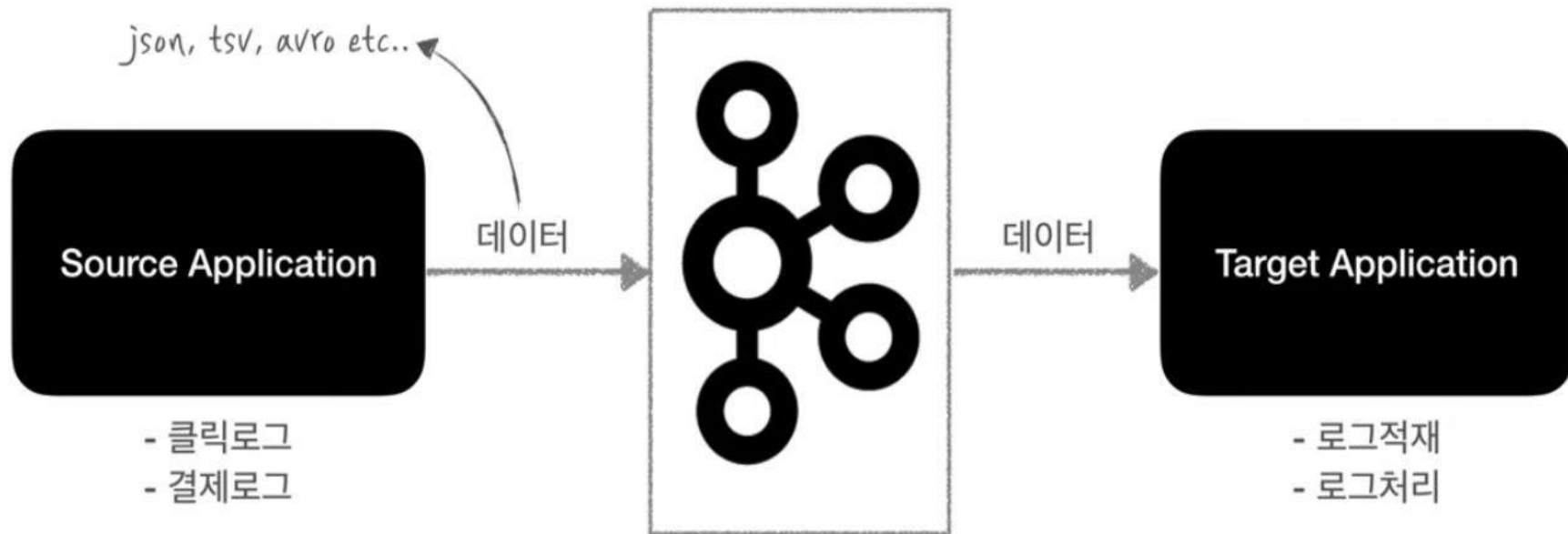Fix - handle exception when the tutor list is empty in rt.enrolled consumer #32541

Merged taekwon-yun-ri... merged 3 commits into develop from fix-consumer 3 hours ago
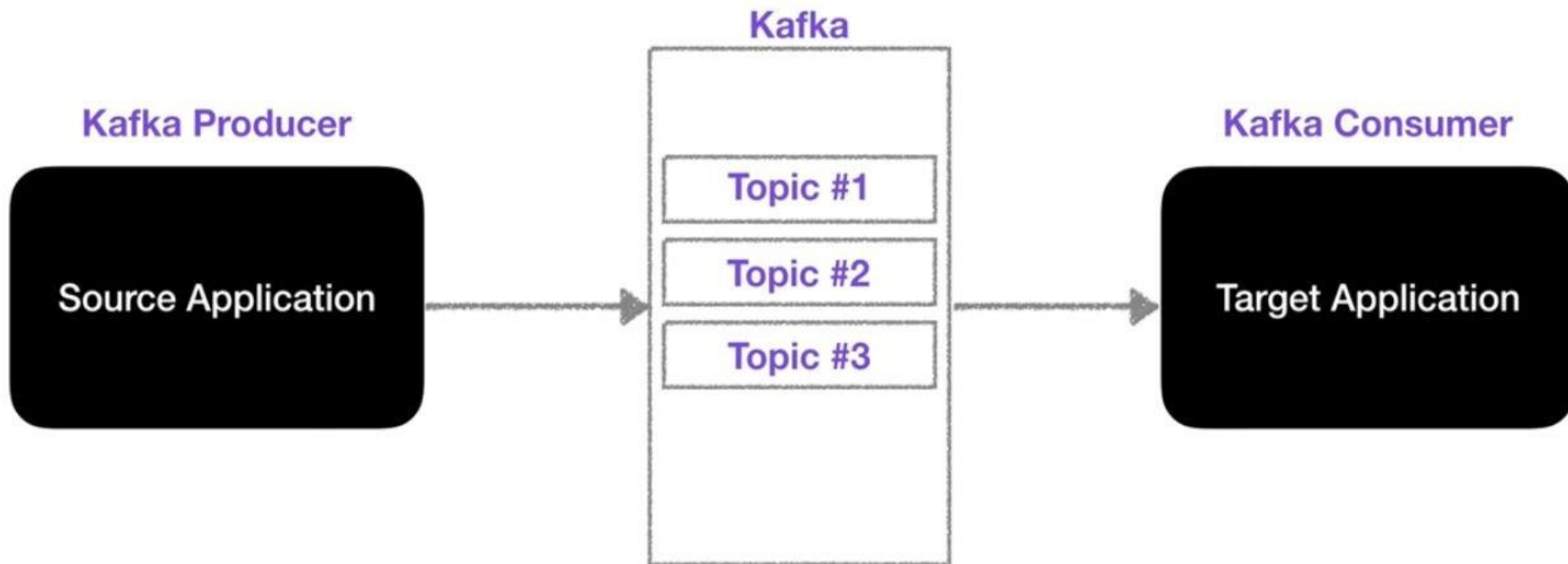
Concepts covered (매우 얕게...)

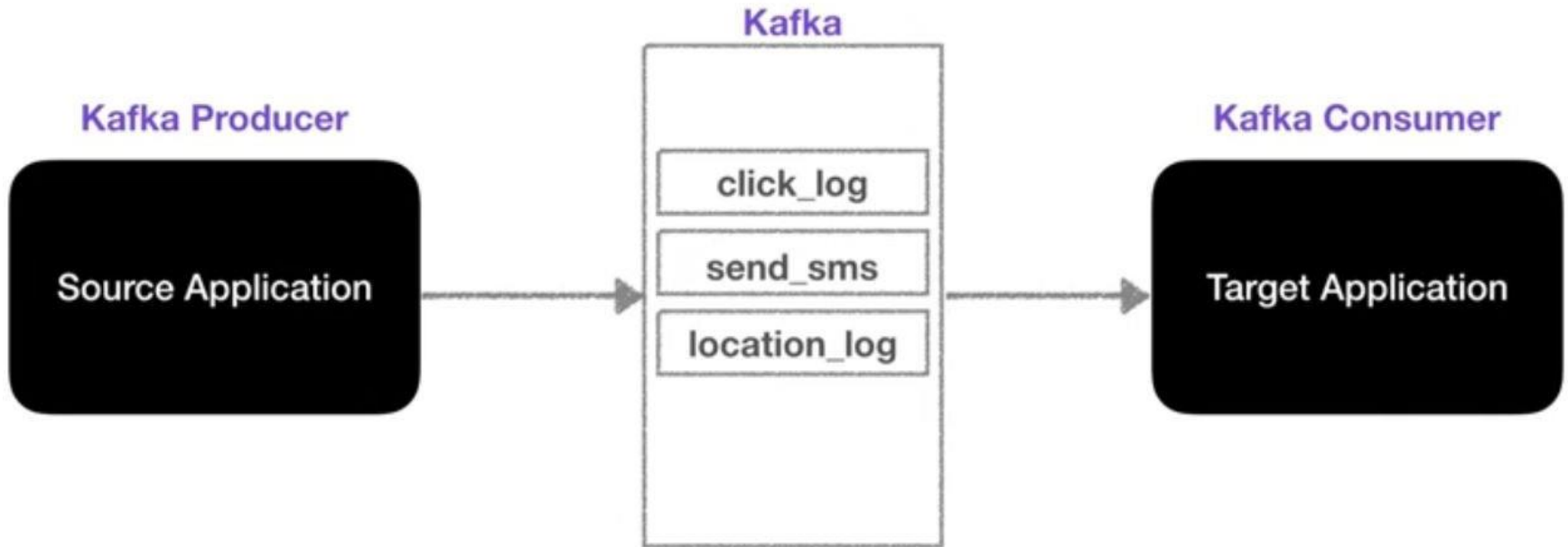- **Kafka 등장 배경**
- **Producer, Consumer**
- **Topic, Partition**
- **Consumer Lag**
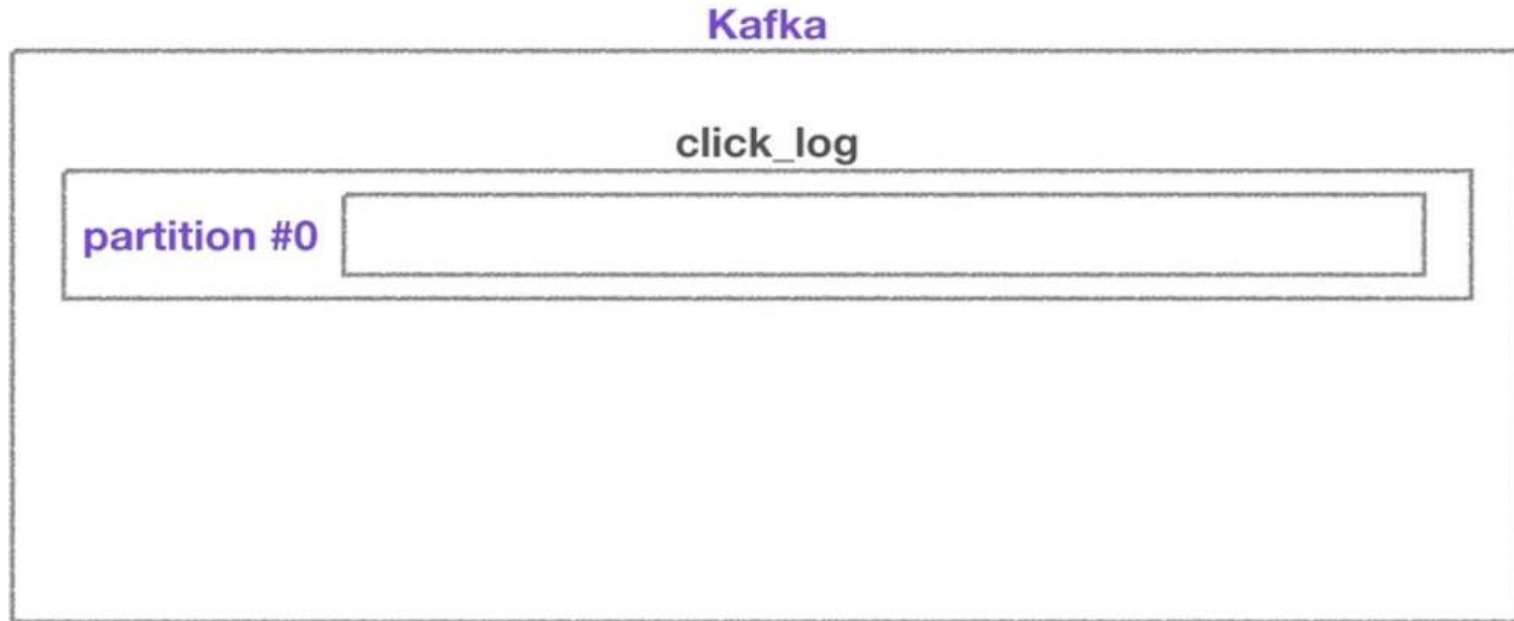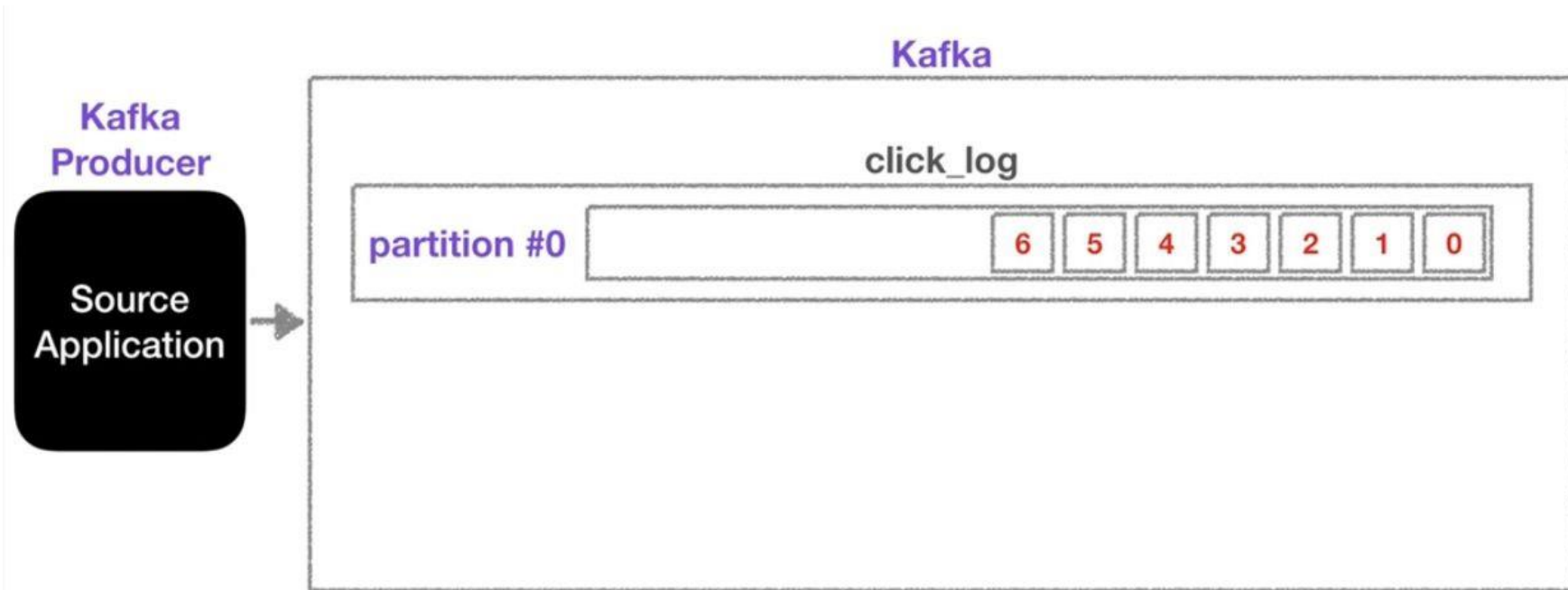
Kafka features - Producer, Consumer

json, tsv, avro etc..

데이터

데이터

Source Application

Target Application

- 클릭로그
- 결제로그

- 로그적재
- 로그처리

Kafka features - Topic

Kafka features - Topic (name)
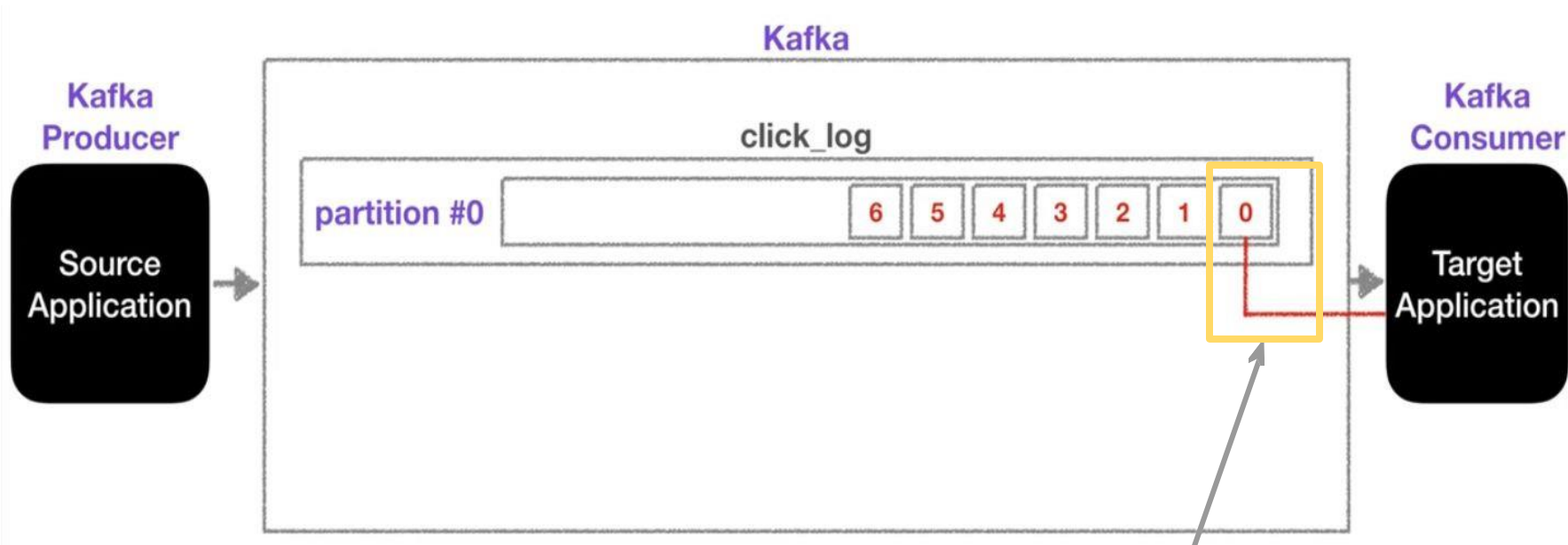
Kafka features - Topic > Partition

Kafka

click_log

partition #0

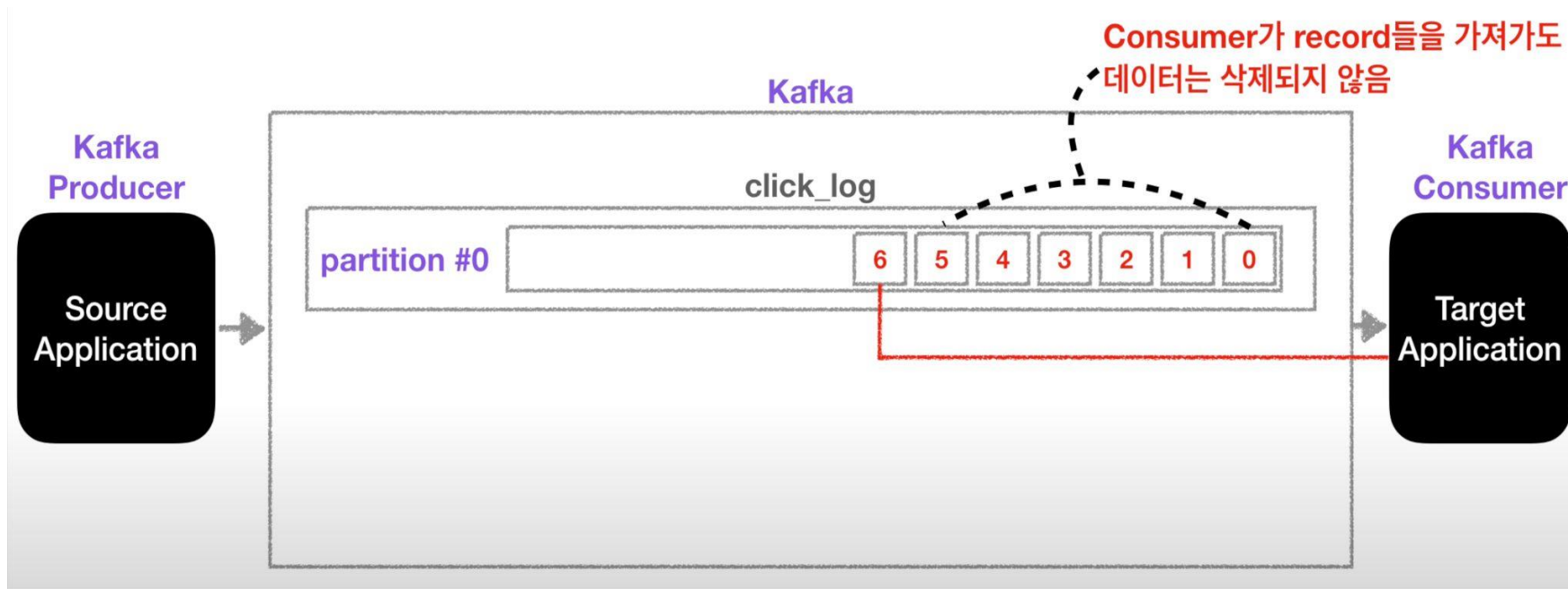# Kafka features - Topic > Partition (Queue)

Kafka features - Topic > Partition (Offset)
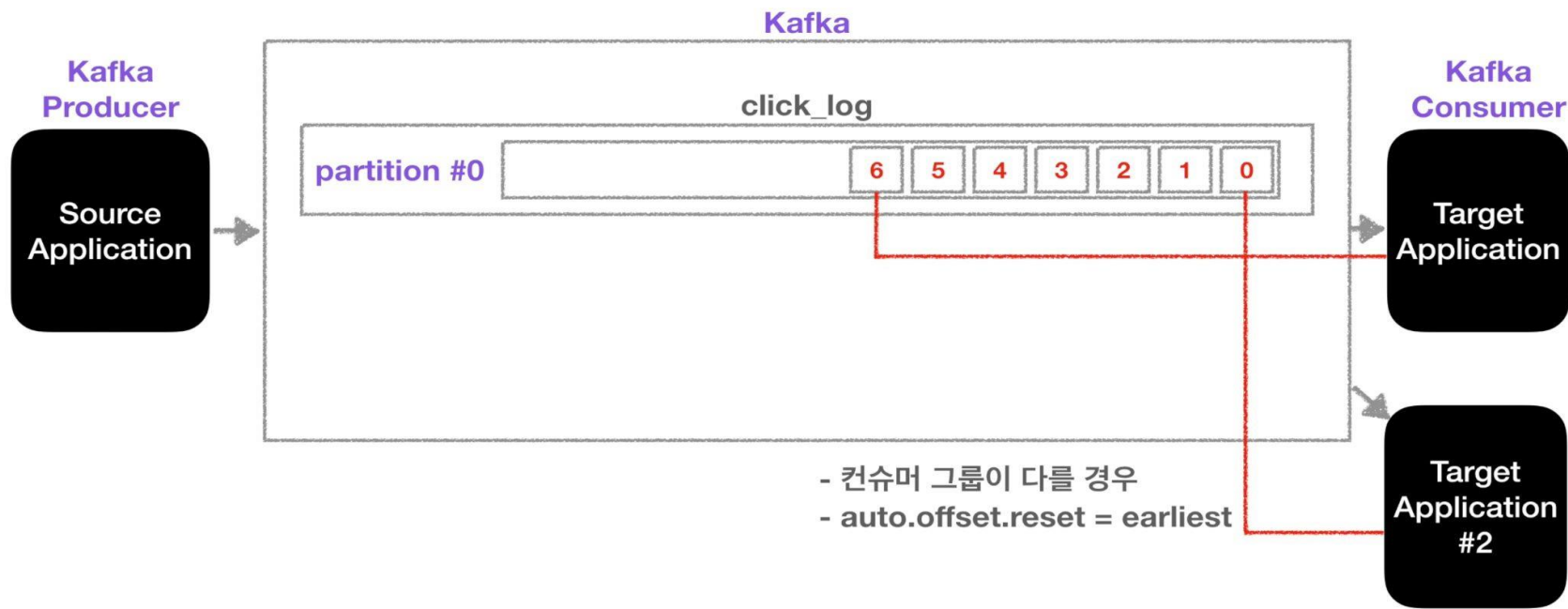

Offset =Consumer 가 마지막으로 읽은 데이터의 인덱스

Kafka features - Topic > Partition

Kafka features - Topic > Partition

Kafka features - Consumer Lag
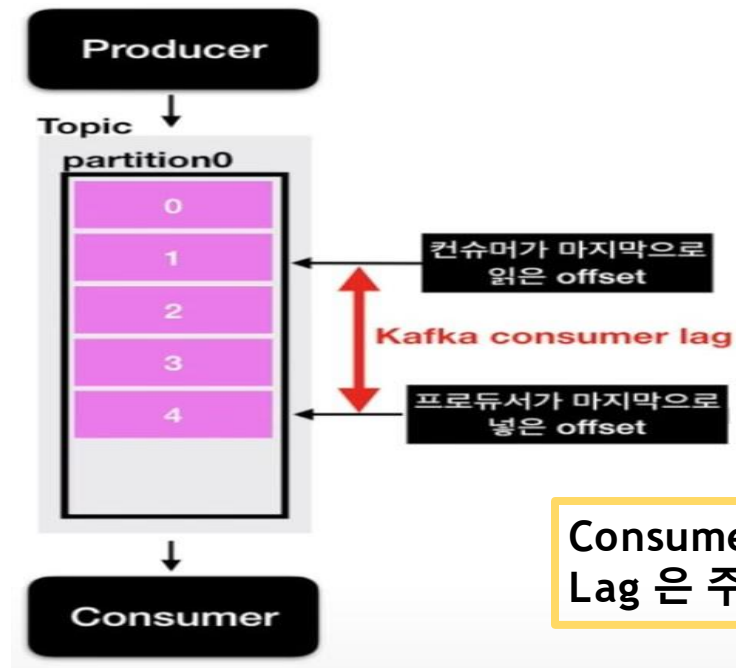
 # incident-20240205-kafka-lag ∨

Producer 데이터 넣어주는 속도

\<gap\>

Consumer 데이터 가져가는 속도

Producer

Topic

partition0

| 0 |
| 1 |
| 2 |
| 3 |
| 4 |

Consumer

Kafka features - Consumer Lag

Consumer Lag 이 크다 > 아! Consumer 상태가 좋지 않구나!
Lag 은 주로 Consumer 의 상태를 모니터링 할 때 사용한다 .

Reference

[데브원영 - 아파치 카프카 for beginners](#)