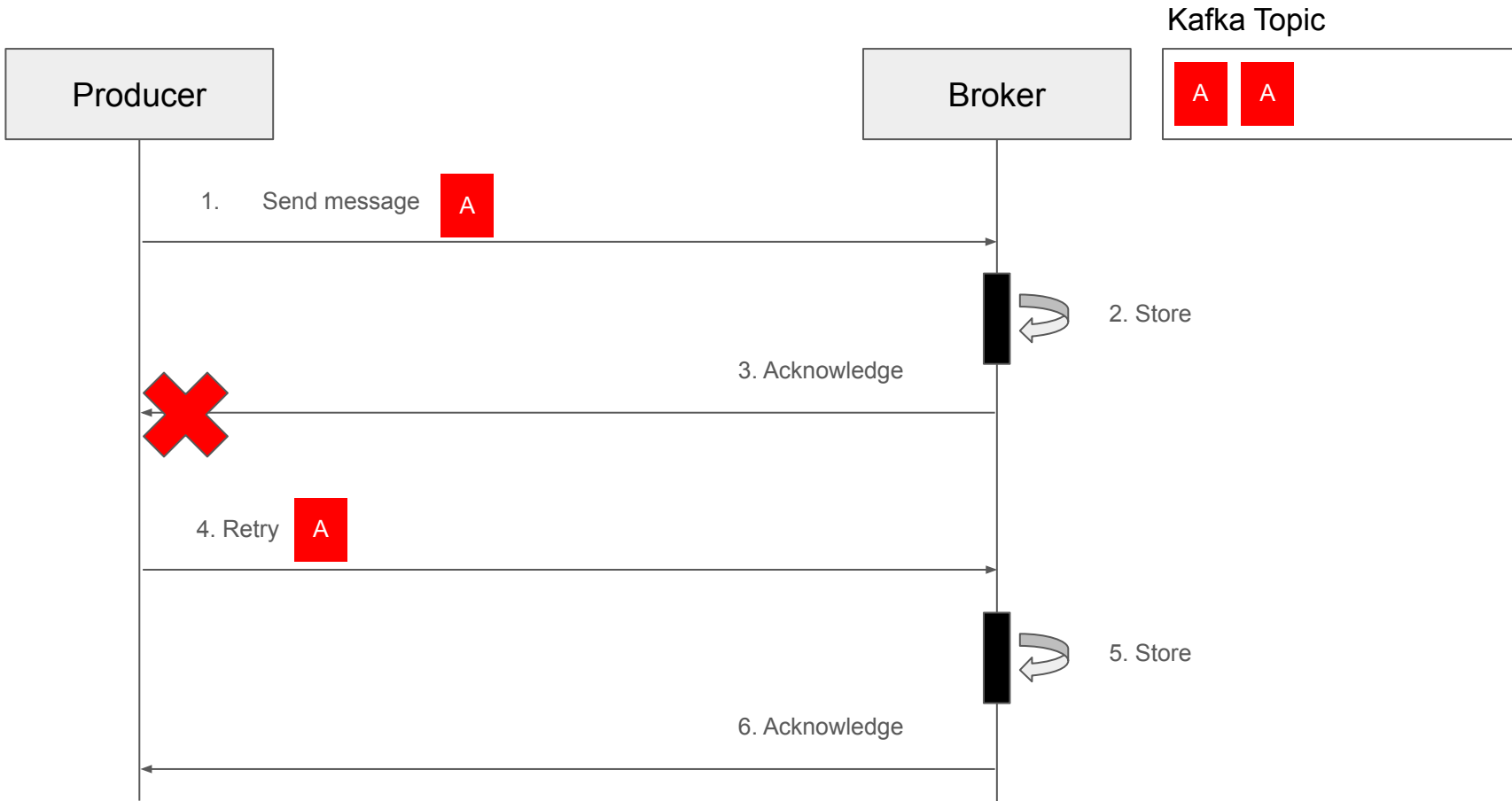


Idempotent Producer

Introduction



An idempotent producer avoids duplicate messages in the log in the presence of failures and retries.

Producer

Broker

Kafka Topic

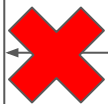
A

1. Send message

A

2. Store

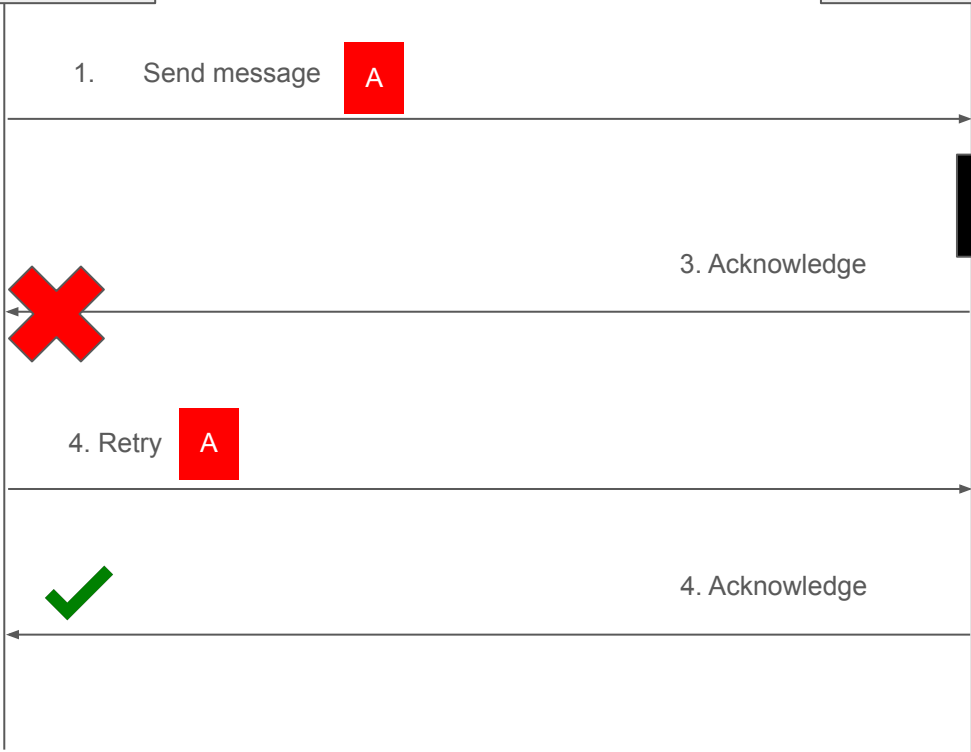
3. Acknowledge



4. Retry

A

4. Acknowledge



enable.idempotence = true

application.properties file

```
spring.kafka.producer.properties.enable.idempotence=true
```

@Bean

```
props.put (ProducerConfig.ENABLE_IDEMPOTENCE_CONFIG, true);
```

acks=all

retries=2147483647

max.in.flight.requests.per.connection=5

application.properties file

spring.kafka.producer.properties.**acks**=all

spring.kafka.producer.properties.**retries**=2147483647

spring.kafka.producer.properties.**max.in.flight.requests.per.connection**=5

spring.kafka.producer.properties.**enable.idempotence**=true

ConfigException