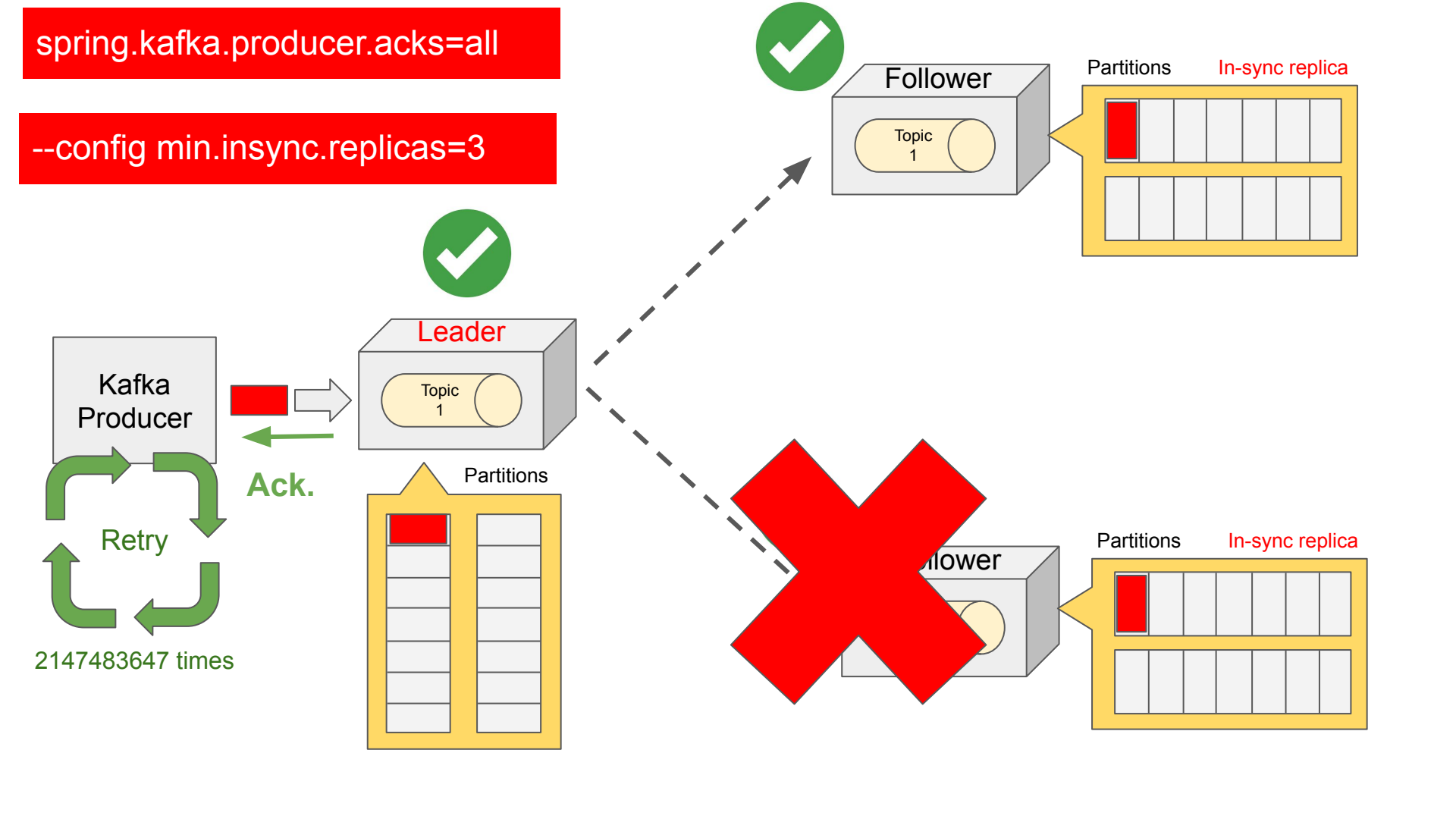
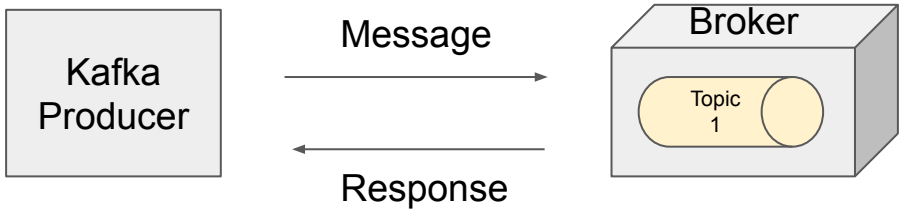
Kafka Producer Retries

Introduction


spring.kafka.producer.acks=all
--config min.insync.replicas=3
Follower
Topic
1
Partitions
In-sync replica
Leader
Kafka
Producer
Topic
1
Ack.
Retry
2147483647 times
Partitions
Partitions
In-sync replica



- **No response** - if the producer is configured with acks=0
- Acknowledgement (ACK) of Successful Storage
- **Non-Retryable Error** - A permanent problem that is unlikely to be resolved by retries.
- **Retryable Error** - A temporary problem that can be resolved by retrying the send operation.

spring.kafka.producer.**retries**=10

How many times Kafka Producer will try to send a message before marking it as failed. Default value is 2147483647.

spring.kafka.producer.properties.**retry.backoff.ms**=1000

How long the producer will wait before attempting to retry a failed request. Default value is 100 ms.

spring.kafka.producer.properties.**delivery.timeout.ms**=120000

The maximum time Producer can spend trying to deliver the message. Default value is 120000 ms (2 minutes).

delivery.timeout.ms >= linger.ms + request.timeout.ms

spring.kafka.producer.properties.**linger.ms**=0

The maximum time in milliseconds that the producer will wait and buffer data before sending a batch of messages. The default value is 0.

spring.kafka.producer.properties.**request.timeout.ms**=30000

The maximum time to wait for a response from the broker after sending a request. The default value is 30000 ms.