

Part of Kafka's approach to fault tolerance involves maintaining replicas of topic partition data. In this lesson, we will discuss the relationship between partitions and replicas. We will also talk about the concepts of leader election and in-sync replicas as they relate to data replication in Kafka.

Relevant Documentation

- [Data Replication](#)

Lesson Reference

1. Create a topic with multiple partitions and a replication factor greater than 1:

```
kafka-topics --bootstrap-server localhost:9092 --create --topic my-topic --partitions 3 --replication-factor 3
```

2. Describe the topic to view information about its partitions and replicas:

```
kafka-topics --bootstrap-server localhost:9092 --describe --topic my-topic
```