**Multiple brokers**

**Docker command**

**1. To start kafka process**

1. Start yml process

docker-compose up -d

1. Show a running process

docker ps

//Exit by typing “Ctrl-C”

**2. To create a new topic**

1. **Start the broker (kafka1)**

docker exec -it kafka1 /bin/bash

**2. Create a new topic**

kafka-topics --bootstrap-server localhost:9092 --create --topic randomTopic --partitions 2 --replication-factor 3

**3. To create a producer**

1. **Start producer**

kafka-console-producer --bootstrap-server localhost:9092 --topic

randomTopic

* Type somethings

**4. To create a consumer**

1. **Open a new terminal**
2. **Start the broker (kafka2)**

docker exec -it kafka2 /bin/bash

1. **Start consuming**

kafka-console-consumer --bootstrap-server localhost:9092 --topic randomTopic --from-beginning

**Miscellaneous commands**

**List all topics**

kafka-topics --bootstrap-server localhost:9092 --list

**Describe a topic**

kafka-topics --bootstrap-server localhost:9092 --describe --topic randomTopic

**Delete a topic**

kafka-topics --bootstrap-server localhost:9092 --delete --topic <topic\_name>

**Question**

What happens if one broker is shut down?

Reference

1. <https://docs.ksqldb.io/en/latest/concepts/apache-kafka-primer/>
2. More understanding about partition and offset <https://developer.confluent.io/tutorials/kafka-console-consumer-read-specific-offsets-partitions/kafka.html>
3. How to use key value
   1. kafka-console-producer --bootstrap-server localhost:9092 --topic t1 --property "parse.key=true" --property "key.separator=,"  
      >aaa,test9