

## 1 Docker

- connect to Kafka shell  
`docker exec -it kafka /bin/sh`

## 2 kafka-topics

- create topic:
  - `kafka-topics.sh --bootstrap-server kafka:9092 --create --topic firstTopic`
  - `kafka-topics.sh --bootstrap-server kafka:9092 --create --topic secondTopic --partitions 3`
- list topic:
  - `kafka-topics.sh --bootstrap-server kafka:9092 --list`
  - `kafka-topics.sh --bootstrap-server kafka:9092 --topic demo_java --describe`

## 3 kafka-console-producer

- produce without keys  
`kafka-console-producer.sh --bootstrap-server kafka:9092 --topic firstTopic`
- produce with keys  
`kafka-console-producer --bootstrap-server kafka:9092 --topic firstTopic --property parse.key=true --property key.separator=:`

## 4 kafka-console-consumer

- consuming  
`kafka-console-consumer.sh --bootstrap-server kafka:9092 --topic firstTopic`
- consuming from beginning  
`kafka-console-consumer.sh --bootstrap-server kafka:9092 --topic firstTopic --from-beginning`
- display key, values and timestamp in consumer  
`kafka-console-consumer.sh --bootstrap-server kafka:9092 --topic firstTopic --formatter kafka.tools.DefaultTextFormatter --property print.timestamp=true --property print.key=true --property print.value=true --from-beginning`

## 5 kafka-consumer-group

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