KAFKA

Kafka - https://archive.apache.org/dist/kafka/2.8.1/kafka_2.13-2.8.1.tgz

https://www.ibm.com/docs/en/imdm/12.0?topic=kafka-starting-server

https://kafka.apache.org/quickstart

1. Start Zookeeper

Go to /Users/dhilli/opensource/kafka_2.13-2.8.1.   (kafka installation directory)

bin/zookeeper-server-start.sh config/zookeeper.properties

2. Start Kafka Server
bin/kafka-server-start.sh config/server.properties

3. Create topic
bin/kafka-topics.sh --create --topic employee_topic --bootstrap-server localhost:9092

4. Run command line producer. (for testing)
bin/kafka-console-producer.sh --topic employee_topic --bootstrap-server localhost:9092

5. Run command line consumer. (for testing)
bin/kafka-console-consumer.sh --topic FUNDTRANSFER_CREATED --from-beginning --bootstrap-server localhost:9092

6.Kafka monitoring tools
        - Kafka manager
        - confluent kafka tools
Kafka manager. - to monitor , topics, partitions, brokers and where they located, can create topics
https://github.com/yahoo/CMAK/releases/download/3.0.0.6/cmak-3.0.0.6.zip
Update the file application.conf present in conf folder
Change the url to localhost

Go to /Users/dhilli/opensource/cmak-3.0.0.6/bin   and run cmak.bat
./cmak

http://localhost:9000/

/tmp
Default location with kafka- logs

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In windows

STEP 1: Download Kafka from https://kafka.apache.org/downloads
STEP 2: Extract Kafka to local directory e.g: C:\Programs\Kafka\kafka-2.8.1
STEP 3: Open %KAFKA_HOME%\config\zookeeper.properties and set dataDir=/Programs/Kafka/kafka-2.8.1/data/zookeeper
STEP 4: Open %KAFKA_HOME%\config\server.properties and set log.dirs=/Programs/Kafka/kafka-2.8.1/data/kafka-logs
STEP 5: Create %KAFKA_HOME%\data directory [Optional]
#Starting (Windows)
STEP 6: Open Command Prompt in Admin mode and Navigate to %KAFKA_HOME%
STEP 7: Start Zookeeper> bin\windows\zookeeper-server-start.bat config\zookeeper.properties
STEP 8: Open another Command Prompt in Admin mode and Navigate to %KAFKA_HOME%
STEP 9: Start Kafka> bin\windows\kafka-server-start.bat config\server.properties

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Messaging:

— Messaging systems
        - Active MQ
        - Rabbit MQ
        - Kafka
        - Tipco
        - IBM MQ
        - MS MQ

— KAFKA
        - Queue

- Topic
- Messages are transferred in. Asynchronous way
- Buffering capability, Replaying capability(if notifications are not sent)

kafka-manager.zkhosts="kafka-manager-zookeeper:2181"
kafka-manager.zkhosts=${?ZK_HOSTS}
cmak.zkhosts="kafka-manager-zookeeper:2181"
cmak.zkhosts=${?ZK_HOSTS}

Kafka Template: To produce the messages