Single node single broker kafka architecture

- **Start Zookeeper Service**
  .\bin\windows\zookeeper-server-start.bat .\config\zookeeper.properties

- **Start Kafka Server/Broker Service**
  .\bin\windows\kafka-server-start.bat .\config\server.properties

- **Create Topic to store events**
  .\bin\windows\kafka-topics.bat --create --topic demo --bootstrap-server localhost:9092

- **Write Events to Topic**
  .\bin\windows\kafka-console-producer.bat --topic demo --bootstrap-server localhost:9092

- **Read Events from Topic**
  .\bin\windows\kafka-console-consumer.bat --topic demo --from-beginning
  --bootstrap-server localhost:9092

Single node Multibroker kafka architecture

Create copy of server.properties file paste it in same config folder and rename file to server2.properties

Note: change in server2.properties file:

     broker.id=2

     listeners=PLAINTEXT://:9094 (remove line from comments and change port number)

     log.dirs=/tmp/kafka-log2

- **Start Kafka Server2Broker2 Service**
  Execute the command with server12properties file:

  .\bin\windows\kafka-server-start.bat .\config\server2.properties

- **Start producer writing event on same topic on broker1**
  .\bin\windows\kafka-console-producer.bat --topic demo --bootstrap-server localhost:9094

Note: check cmd of consumer. All messages created using broker0 and broker1 will be displayed in that console.

Read messages after consumer activated (cmd without offset details)

Kafka-console-consumer.bat --topic demo --bootstrap-server localhost:9094

List all created topics on broker0

.\bin\windows\kafka-topics.bat --list --bootstrap-server localhost:9092

Describe topic configurations including replica factor, number of partitions etc.

.\bin\windows\kafka-topics.bat --describe --topic demo --bootstrap-server localhost:9092

Delete demo topic from broker0

.\bin\windows\kafka-topics.bat --delete --topic demo --bootstrap-server localhost:9092

Note: change in server.properties file: **delete.topic.enable=true**

Create mynewtopic on broker0 with replication factor 2 and partitions 2.

.\bin\windows\kafka-topics.bat --create --topic mynewtopic --replication-factor 2 --partitions 2 --bootstrap-server localhost:9092