

Project Working:

1)Start zookeeper :

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

```
johnsonanikethnagamalla@Johnsons-MBP kafka_2.12-2.8.0 % zookeeper-server-start.sh config/zookeeper.properties
[2021-05-23 20:35:08,423] INFO Reading configuration from: config/zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,424] WARN config/zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,429] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,429] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,430] INFO autopurge.snapRetainCount set to 3 (org.apache.zookeeper.server.DataDirCleanupManager)
[2021-05-23 20:35:08,430] INFO autopurge.purgeInterval set to 0 (org.apache.zookeeper.server.DataDirCleanupManager)
[2021-05-23 20:35:08,430] INFO Purge task is not scheduled. (org.apache.zookeeper.server.DataDirCleanupManager)
[2021-05-23 20:35:08,430] WARN Either no config or no quorum defined in config, running in standalone mode (org.apache.zookeeper.server.quorum.QuorumPeerMain)
[2021-05-23 20:35:08,432] INFO Log4j 1.2 jmx support found and enabled. (org.apache.zookeeper.jmx.ManagedUtil)
[2021-05-23 20:35:08,445] INFO Reading configuration from: config/zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] WARN config/zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] INFO Starting server (org.apache.zookeeper.server.ZooKeeperServerMain)
[2021-05-23 20:35:08,447] INFO zookeeper.snapshot.trust.empty : false (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2021-05-23 20:35:08,484] INFO Server environment:zookeeper.version=3.5.9-83df9301aa5c2a5d284a9940177808c01bc35cef, built on 01/06/2021 20:03 GMT (org.apache.zookeeper.server.ZooKeeperServer)
[2021-05-23 20:35:08,484] INFO Server environment:host.name=johnsons-mbp.attlocal.net (org.apache.zookeeper.server.ZooKeeperServer)
[2021-05-23 20:35:08,484] INFO Server environment:java.version=1.8.0_281 (org.apache.zookeeper.server.ZooKeeperServer)
[2021-05-23 20:35:08,484] INFO Server environment:java.vendor=Oracle Corporation (org.apache.zookeeper.server.ZooKeeperServer)
```

2)Start kafka-server

`kafka-server-start.sh config/server.properties`

```
johnsonanikethnagamalla@Johnsons-MBP kafka_2.12-2.8.0 % zookeeper-server-start.sh config/zookeeper.properties
[2021-05-23 20:35:08,423] INFO Reading configuration from: config/zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,424] WARN config/zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,429] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,429] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,430] INFO autopurge.snapRetainCount set to 3 (org.apache.zookeeper.server.DataDirCleanupManager)
[2021-05-23 20:35:08,430] INFO autopurge.purgeInterval set to 0 (org.apache.zookeeper.server.DataDirCleanupManager)
[2021-05-23 20:35:08,430] INFO Purge task is not scheduled. (org.apache.zookeeper.server.DataDirCleanupManager)
[2021-05-23 20:35:08,430] WARN Either no config or no quorum defined in config, running in standalone mode (org.apache.zookeeper.server.quorum.QuorumPeerMain)
[2021-05-23 20:35:08,432] INFO Log4j 1.2 jmx support found and enabled. (org.apache.zookeeper.jmx.ManagedUtil)
[2021-05-23 20:35:08,445] INFO Reading configuration from: config/zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] WARN config/zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2021-05-23 20:35:08,445] INFO Starting server (org.apache.zookeeper.server.ZooKeeperServerMain)
[2021-05-23 20:35:08,447] INFO zookeeper.snapshot.trust.empty : false (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2021-05-23 20:35:08,484] INFO Server environment:zookeeper.version=3.5.9-83df9301aa5c2a5d284a9940177808c01bc35cef, built on 01/06/2021 20:03 GMT (org.apache.zookeeper.server.ZooKeeperServer)
[2021-05-23 20:35:08,484] INFO Server environment:host.name=johnsons-mbp.attlocal.net (org.apache.zookeeper.server.ZooKeeperServer)
[2021-05-23 20:35:08,484] INFO Server environment:java.version=1.8.0_281 (org.apache.zookeeper.server.ZooKeeperServer)
[2021-05-23 20:35:08,484] INFO Server environment:java.vendor=Oracle Corporation (org.apache.zookeeper.server.ZooKeeperServer)
```

3)Now make sure to create a twitter developer account as we'll be using live tweets and the producer will send these tweets to consumer.

4)Now start the consumer console

`kafka-console-consumer.sh --bootstrap-server 127.0.0.1:9092 --topic topic_name`

5)Start your project

`java -jar target/workspace2-1.0-SNAPSHOT-jar-with-dependencies.jar`

```
johnsonanikethnagamalla@Johnsons-MBP workspace2 % java -jar target/workspace2-1.0-SNAPSHOT-jar-with-dependencies.jar
8 [main] INFO TwitterProducer - Setup
630 [main] INFO com.twitter.hbc.httpclient.BasicClient - New connection executed: Hosebird-Client-01, endpoint: /1.1/statuses/filter.json?delimited=length&stall_warnings=true
696 [main] INFO org.apache.kafka.clients.producer.ProducerConfig - ProducerConfig values:
acks = -1
batch.size = 32768
bootstrap.servers = [127.0.0.1:9092]
buffer.memory = 33554432
client.dns.lookup = use_all_dns_ips
client.id = producer-1
compression.type = snappy
connections.max.idle.ms = 540000
delivery.timeout.ms = 120000
enable.idempotence = true
interceptor.classes = []
internal.auto.downgrade.txn.commit = false
key.serializer = class org.apache.kafka.common.serialization.StringSerializer
linger.ms = 20
max.block.ms = 60000
max.in.flight.requests.per.connection = 5
max.request.size = 1048576
metadata.max.age.ms = 300000
metadata.max.idle.ms = 300000
metric.reporters = []
metrics.num.samples = 2
metrics.recording.level = INFO
metrics.sample.window.ms = 30000
partitioner.class = class org.apache.kafka.clients.producer.internals.DefaultPartitioner
receive.buffer.bytes = 32768
reconnect.backoff.max.ms = 1000
reconnect.backoff.ms = 50
request.timeout.ms = 30000
retries = 2147483647
retry.backoff.ms = 100
sasl.client.callback.handler.class = null
sasl.config = null
```

Output:

Consumer console screen:

[illegible]