Title: Spring Boot & Kafka, Producer thrown exception with key='null'

Post Body:

I'm trying to use `Spring Boot` with `Kafka` and `ZooKeeper` with `Docker` :

`docker-compose.yml`:

version: '2' services: zookeeper: image: wurstmeister/zookeeper restart: always ports: - '2181:2181' kafka: image: w

`docker ps` output:

CONTAINER ID   IMAGE   COMMAND   CREATED   STATUS   PORTS

`docker-compose up` output log:

kafka_1 | [2018-01-12 13:14:49,545] INFO Client environment:java.library.path=/usr/java/packages/lib/amd64:/usr/lib64:/li

`Kafka` maven dependency in `Producer` and `Consumer`:

 <parent>   <groupId>org.springframework.boot</groupId>   <artifactId>spring-boot-starter-parent</artifactId>   <vers

`application.properties` in `Producer`:

 spring.kafka.producer.bootstrap-servers=0.0.0.0:9092   spring.kafka.consumer.topic=kafka_topic   server.port=8080

`application.properties` in `Consumer`:

 spring.kafka.consumer.bootstrap-servers=0.0.0.0:9092   spring.kafka.consumer.group-id=WorkUnitApp   spring.kafka.consumer.topi

`Consumer`:

@Component public class Consumer { private static final Logger LOGGER = LoggerFactory.getLogger(Consumer.class); @KafkaList

`Producer`:

@Component public class Producer { private static final Logger LOGGER = LoggerFactory.getLogger(Producer.class); @Autowired

`ConsumerConfig` log:

2018-01-12 15:25:48.220 INFO 20919 --- [main] o.a.k.clients.consumer.ConsumerConfig   : ConsumerConfig values: a

`ProducerConfig` log:

2018-01-12 15:26:27.956 INFO 20924 --- [nio-8080-exec-1] o.a.k.clients.producer.ProducerConfig   : ProducerConfig values: a

When i try to send a message I get an exception:

producer.send('kafka_topic', 'test')

exception log:

2018-01-12 15:26:27.975 INFO 20924 --- [nio-8080-exec-1]   o.a.kafka.common.utils.AppInfoParser   : Kafka version : 0.10.1

How to fix it ?

Accepted Answer:

Problem is not with sending `key` as `null`, Connection to a broker may not be established

 try using local Kafka installation.

 If you are using mac Docker for mac having some networking limitations
 https://docs.docker.com/docker-for-mac/networking/#known-limitations-use-cases-and-workarounds

Highest Rated Answer:

i ran into the same issue. the issue was with my dockercompose file. not 100% but i think *KAFKA_ADVERTISED_HOST_NAME* and *KAFKA_ADVERTISED_LISTENERS* both need to refernce localhost. my working compose file.

version: '2' networks: sb_net: driver: bridge services: zookeeper: image: confluentinc/cp-zookeeper:latest   h