

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:/lib64:/lib
```

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 reference localhost. my working compose file.

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