

**Start Zookeeper using the below command :**

```
cd $KAFKA_HOME
```

```
#./bin/zookeeper-server-start ./etc/kafka/zookeeper.properties
```

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

**Start the broker using below command :**

```
cd $KAFKA_HOME
```

```
#./bin/kafka-server-start ./etc/kafka/server.properties
```

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

**Create the topic using below command :**

```
./bin/kafka-topics.sh --create --topic KeyLessTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
```

```
[acadgild@localhost kafka_2.12-0.10.1.1]$ cd $KAFKA_HOME
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic KeyLessTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "KeyLessTopic".
[acadgild@localhost kafka_2.12-0.10.1.1]$
```

**Input for producer:**

```
Last login: Tue Jun 12 11:40:00 2018 from 192.168.0.5
[acadgild@localhost ~]$ cd $KAFKA_HOME
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyLessTopic
{"name":"John", "exp":16}
{"name":"Finn", "exp":20}
{"name":"Cylin", "exp":18}
{"name":"Mark", "exp":2}
{"name":"Akshay", "exp":14}
```

## Command to read the KeyLessTopic from beginning:

`./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyLessTopic`

```
Last login: Tue Jun 12 11:42:21 2018 from 192.168.0.5
[acadgild@localhost ~]$ cd $KAFKA_HOME
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topic KeyLessTopic --from-beginning --zookeeper localhost:2181 --property print.key=true
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap-server] instead of [zookeeper].
null    {"name":"John", "exp":16}
null    {"name":"Finn", "exp":20}
null    {"name":"Cylin", "exp":18}
null    {"name":"Mark", "exp":2}
null    {"name":"Akshay", "exp":14}
```

## Creating kafka topic named KeyedTopic:

`./bin/kafka-topics.sh --create --topic KeyedTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1`

```
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic KeyedTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "KeyedTopic".
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$
```

## Producer input:

`./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyedTopic --property "parse.key=true" --property "key.separator=,"`

```
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyedTopic --property "parse.key=true" --property "key.separator=,"
{"name":"John"},{"exp":16}
{"name":"Finn"},{"exp":20}
{"name":"Cylin"},{"exp":18}
{"name":"Mark"},{"exp":2}
{"name":"Akshay"},{"exp":14}
```

### Command to read the producer:

```
./bin/kafka-console-consumer.sh --topic KeyedTopic --from-beginning --  
zookeeper localhost:2181 --property print.key=true --property key.separator="-"
```

```
{"name":"John"}-{"exp":16}  
{"name":"Finn"}-{"exp":20}  
{"name":"Cylín"}-{"exp":18}  
{"name":"Mark"}-{"exp":2}  
{"name":"Akshay"}-{"exp":14}
```