**Created a Kafka topic called shrikanth\_movie using:**

./kafka-topics.sh --create --zookeeper z-2.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:2182,z-1.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:2182,z-3.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:2182 --replication-factor 2 --partitions 1 --topic shrikanth\_movie

The application has a films-review.html page that sends ratings data from the app to the Kafka message queue.

How to verify this?

**By running the Kafka consumer!**

**cd kafka\_2.12-2.6.2/**

kafka-console-consumer.sh --bootstrap-server b-3.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:9092,b-2.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:9092,b-1.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:9092 --topic shrikanth\_movie --from-beginning

This was done using a scala script, which can be found in this folder: [Shrikanth\_speed\_layer](https://drive.google.com/drive/folders/10_VP7swSJZA_8uTLtwtdwN7W9_YN9AKT?usp=share_link)

**To run the spark job:**

**cd shrikanth-uberjar/target**

spark-submit --master local[2] --driver-java-options "-Dlog4j.configuration=file:///home/hadoop/ss.log4j.properties" --class Streameruber-speedlayer-1.0-SNAPSHOT.jar b-3.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:9092,b-2.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:9092,b-1.mpcs530142022.7vr20l.c19.kafka.us-east-1.amazonaws.com:9092

Error Fixed: An error in the step leading to the 2 way connection between the app and the kafka stream. The kafka topic was storing the ratings but the hbase tables weren’t being updated right. Fixed this by rebuilding a different uberjar after slightly tweaking the code a little (and after hours of pulling my hair out and reading every answer on stackoverflow!)