```
CS Lamp

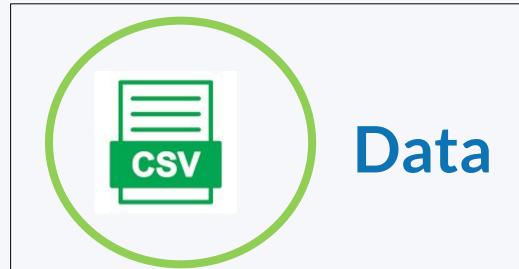
"COM.orgmanager.handlers.RequesthandlestartMallandlers", "Mallandlers", "deltastartMandlers", "deltas
                     hars":"5022", "message":"Duration Log":"Andlers":"Mapp/page/analyze", "webparams":"null":"duration Metion Log":"null":"ation Metion Log":"null":"ation Millis":"36"}{"timestamp":"2017-06-03T18:43:335.030";"division Log":"ation Millis ("classification Metion Meti
                                     OnMillis": "36"}{"timestamp": "2017-06-03T18: 43: 335.030": "10-chartdata new.json", "class": "com.orgmanagor har
                                tartMillis":"0", "level":"INFO", "WebURL":"/app/page/report", "webpara
                                         ID":"789d89cb-bfa8-4e7d-8047-498454af885d", "sessionID":"144o2n620jm9ti
                                        onMillis":"7"}{"timestamp":"2017-06-03T18:46:921.000", "deltastartMi
                                                com.orgmanager.handlers.RequestHandler", "method": "handle", "requestID
                                            rs":"10190", "message":"Duration Log", "durationMillis":"10"}{"timestam
                                                 "/app/rest/json/file", "webParams":"file=chartdata_new.json", "class
                                               D":"7ac6ce95-19e2-4a60-88d7-6ead86e273d1", "sessionID":"144o2n620jm9trnd
CS-523DE-Big-Data-Technology-Project
```

Agenda

- 1 Project Description Spark Streaming Data Flow, Kafka Consumer, Kafka Producer
- 2 Spark Streaming Integration with Hive

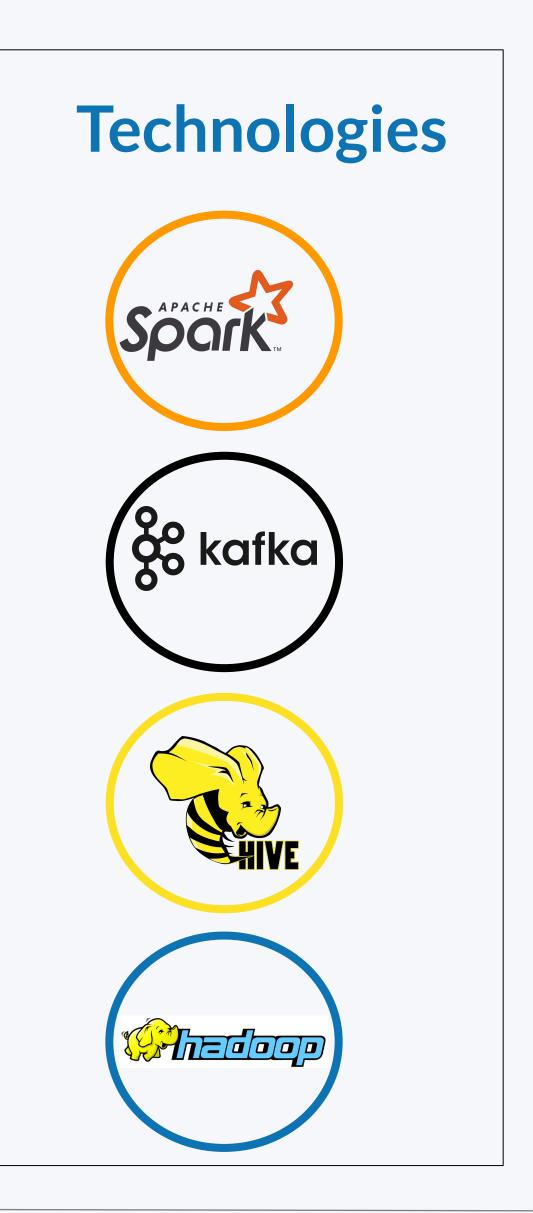
3 Further Results

1.Project Description

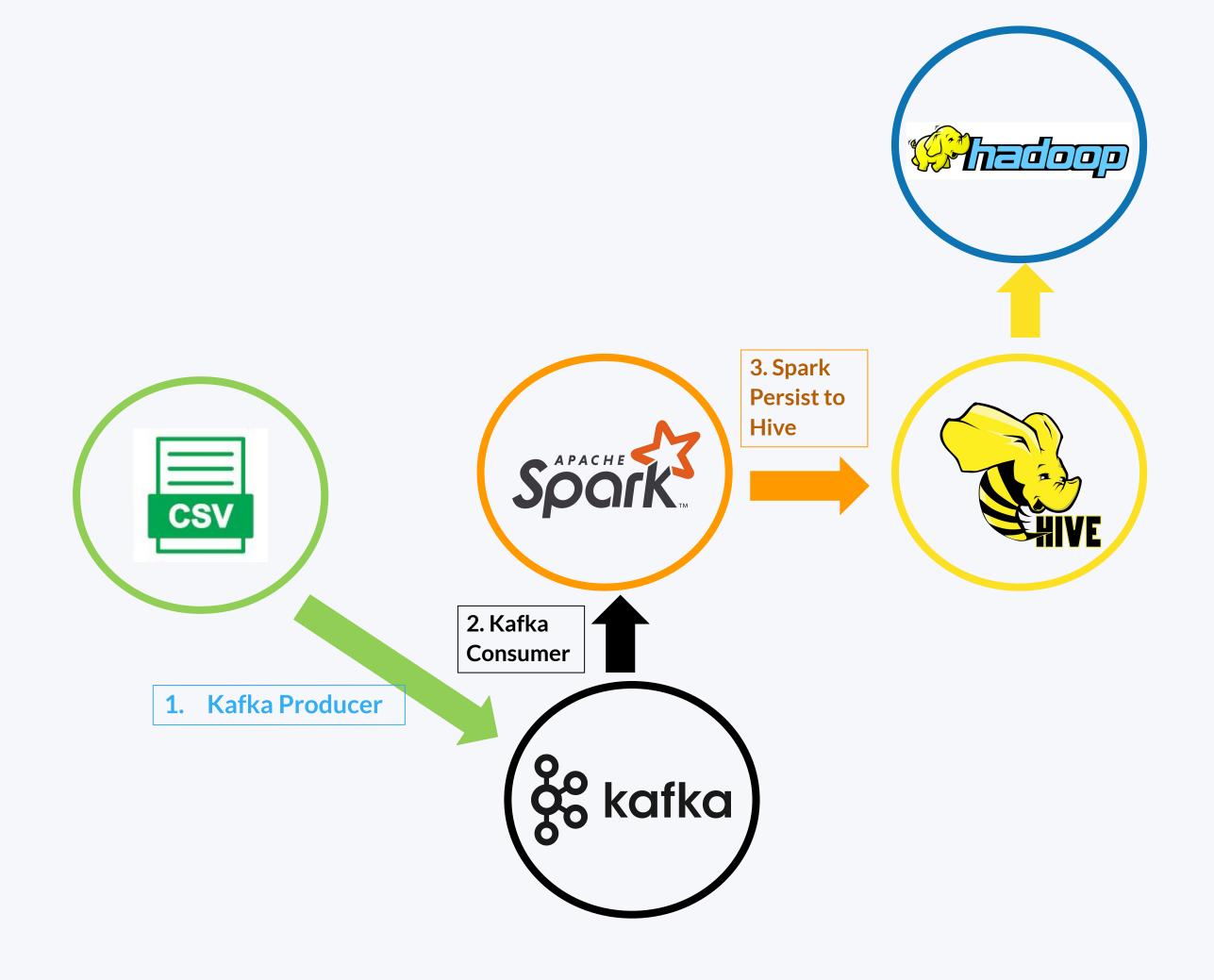




- player_country
- first_name
- String last_name
- goals_scored
- champions_league_matches_played
- english_league_matches_played
- minutes_played
- assists
- tackles
- age



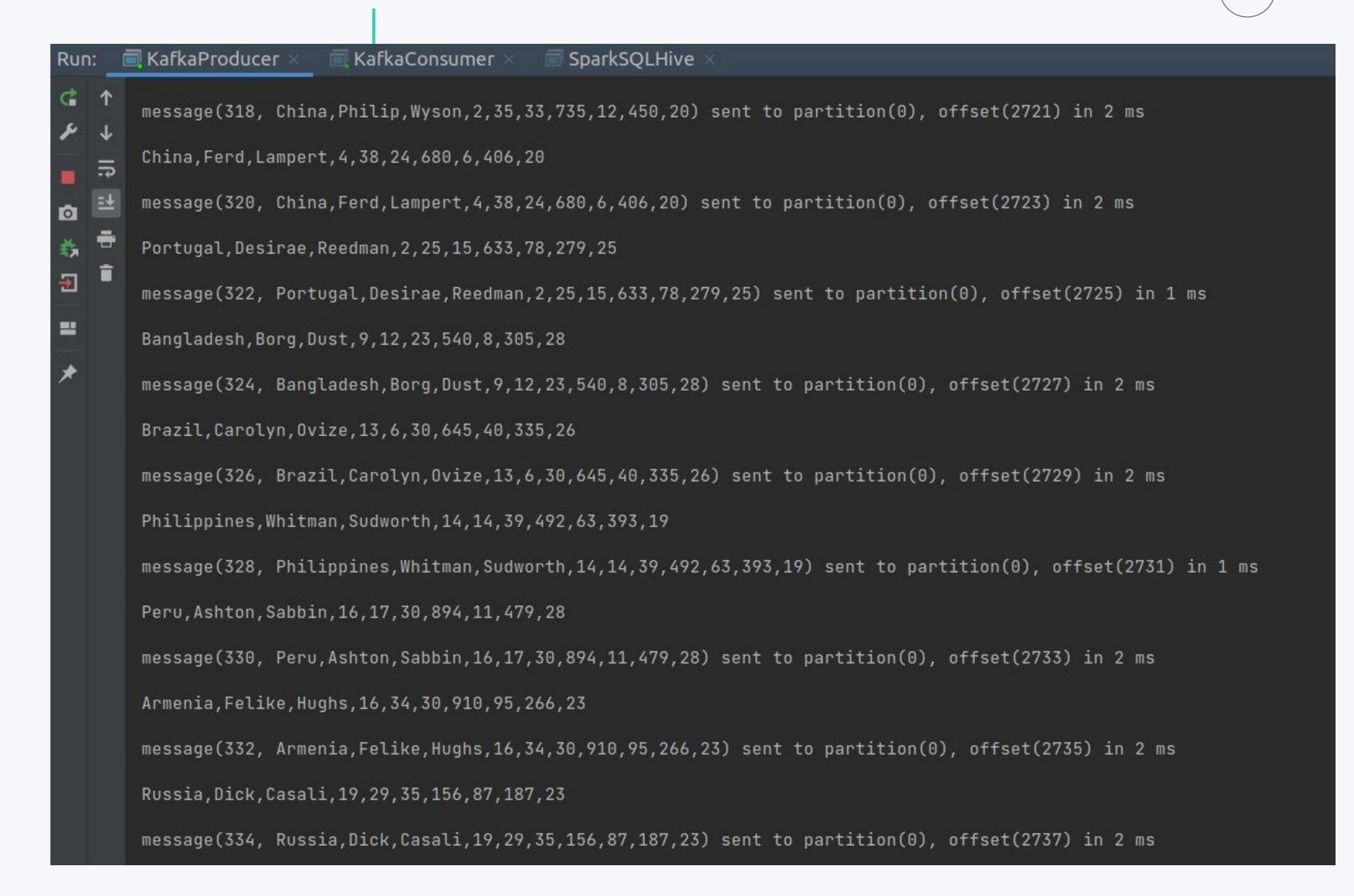
1. Spark Streaming - Data Flow



1.1 Kafka Producer

မှိုင် kafka

- We have used
 Kafka as a broker
 to produce
 messages that we
 get from our data
 source
- As seen in the screenshot the Footballer data we get is being produced to a kafka topic we specified



1.1 Kafka Consumer

```
KafkaConsumer
KafkaProducer
                                         SparkSQLHive
23/09/30 17:26:24 INFO Fetcher: [Consumer clientId=consumer-1, groupId=spark-kafka-source-dfc9c3f9-f4ec-4824-b629-171
```

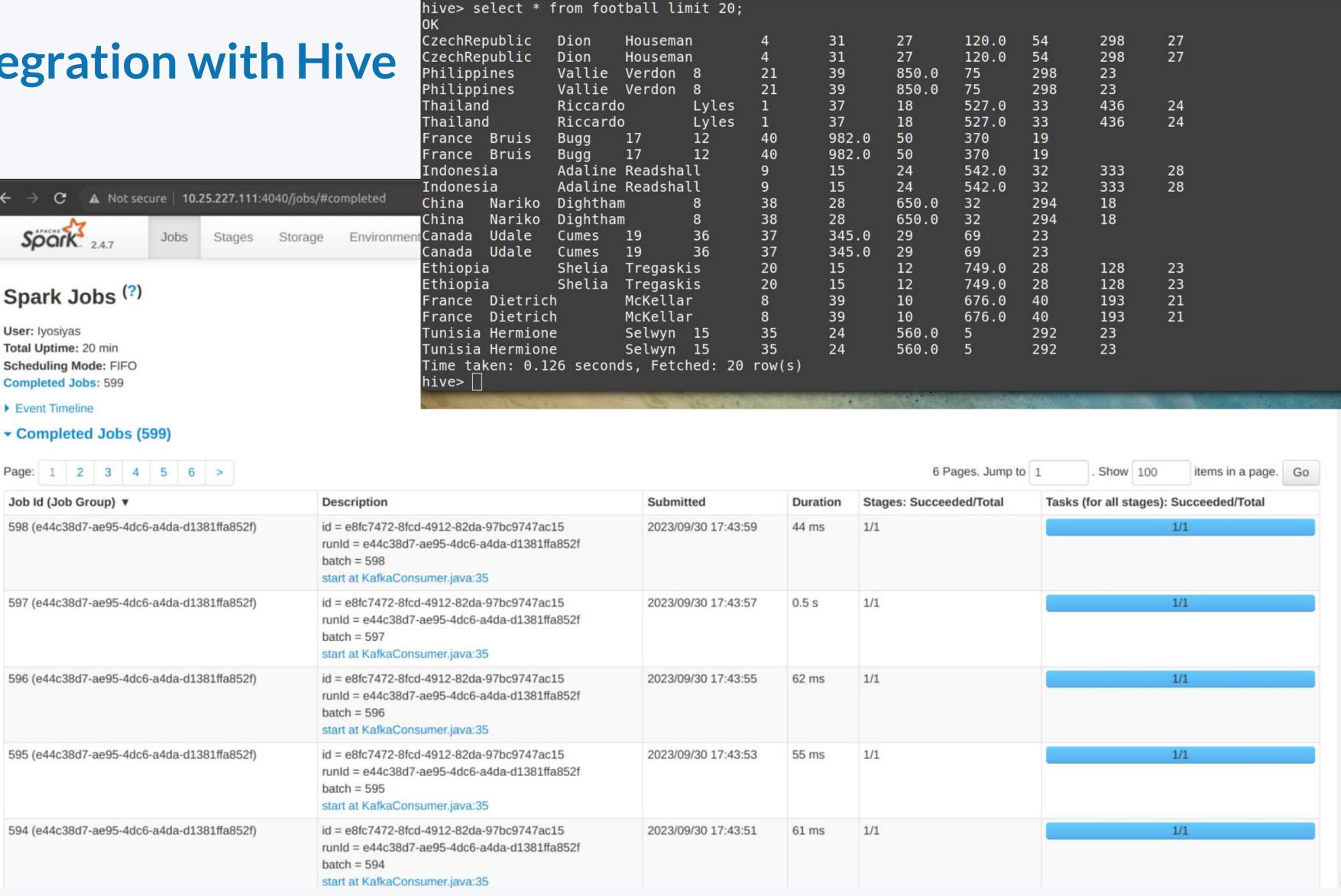


- As seen in the image we are listening to what we produced
- After listening from a topic we are write it to spark

2. Spark Streaming - Integration with Hive



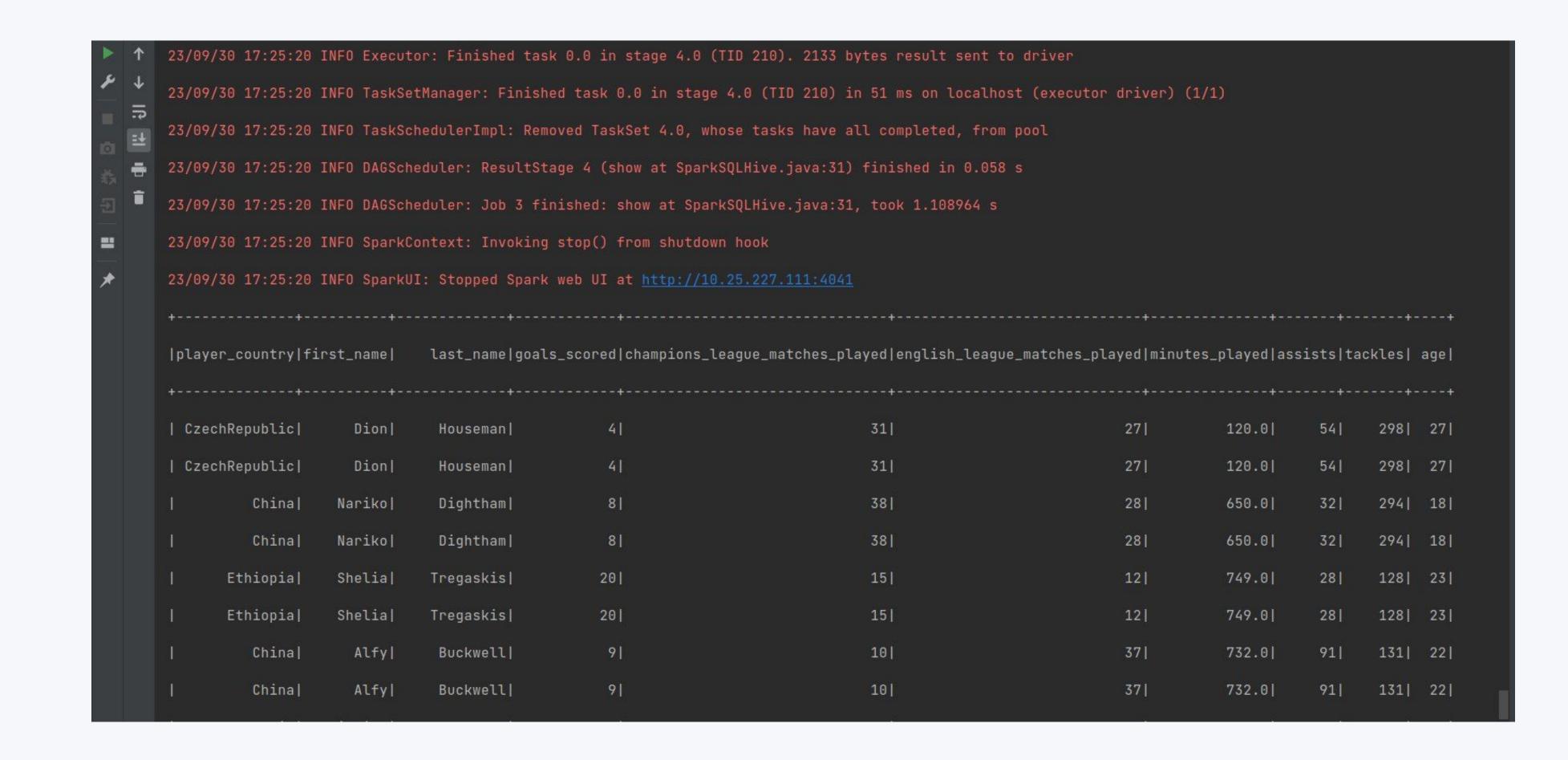
- As seen in the screenshot we are using Spark to process data stored in Hive.
- This integration allows users to take advantage of Spark's performance and scalability for Hive workloads.



2. Spark Streaming - Integration with Hive



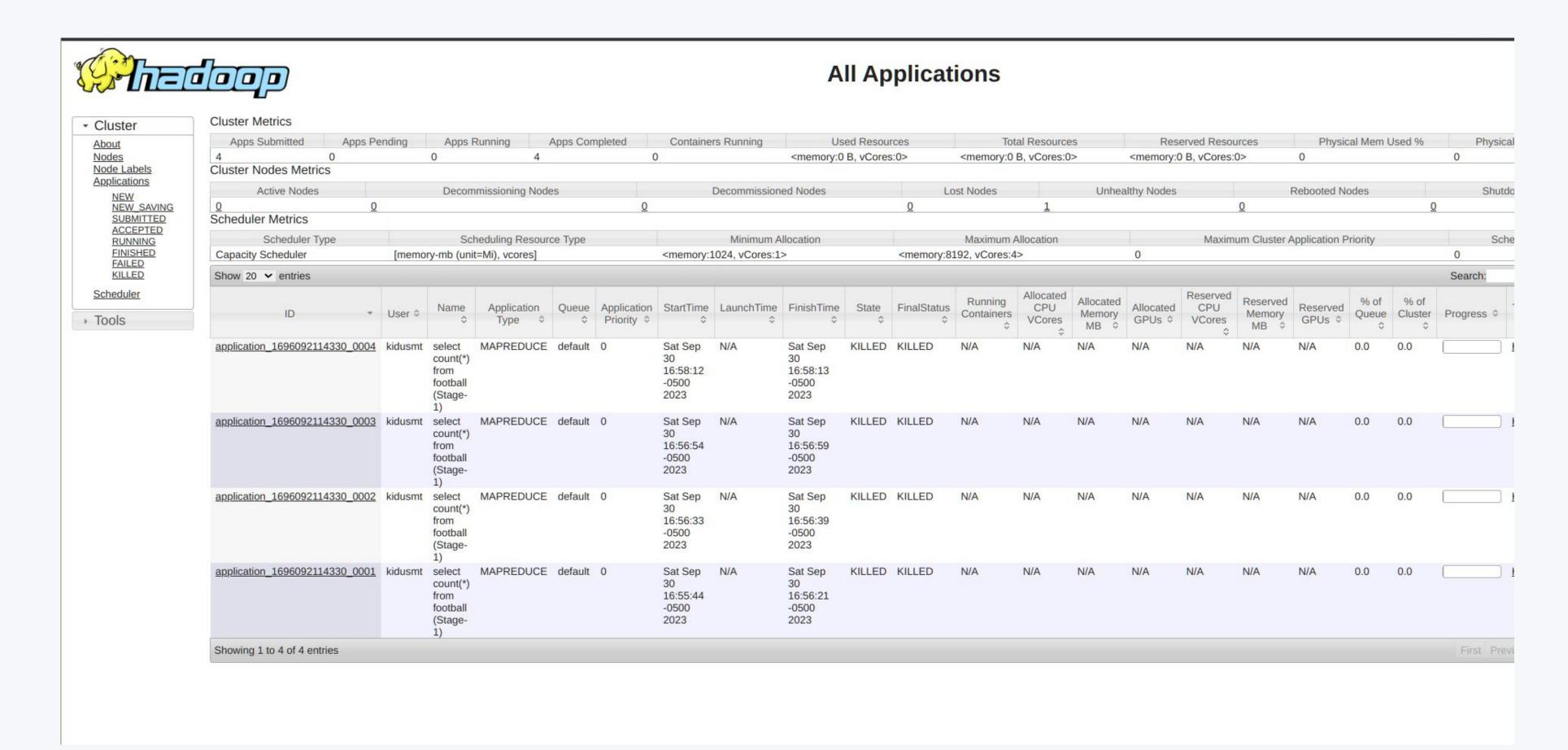
 As seen in the screenshot we are using spark to write sql messages which is then converted to mapreduce then gives the result on the right



3. Hadoop - Further Results Captured



 The image on the right shows our hadoop which is the underlying storage used to store our data



Thank You