At first I will run "run.sh" it will invoke all servers to start and java files to execute

The argument which is taken by run.sh will pass to the “ProtoConsumer.class” for setting server address.

My main procedure to complete this project is get all the data from messages of Kafka topics and store data corresponding to the class of Player and Game.

In this project first it will ask for the Topic name and group ID which you want to assign.

And in “ProtoConsumer.class” it stored the data read from kafka topic and store it in location given in

“Config.properties” file, you can edit it to according to your location.

As my hadoop cluster was not working there is intermediate step to write data to hive database according to the values we get. So I made simple file writing and reading process for Storing to and fetching from the file.

First made a class CrazyCricketObject.class which I have made Serializable so that when writing to file particular details could be written.

Storing this file to HDFS cluster and processing it with help of HIVE would be easy because we have already create a schema suitable file we just have to make table with this schema.

As I don’t have any cluster IP so we have to make it by getting one with this command on console

CREATE TABLE IF NOT EXISTS game ( winnerUserID String, winnerCountry String

,loserUserID String, loserCountry String, type String, date String)

COMMENT 'Game Table'

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ' '

LINES TERMINATED BY '\n'

STORED AS TEXTFILE

# I used HIVE storage because as data can be too large so we are storing it in HDFS cluster, so to get data from cluster I am using HIVE because it is easy as I have made data according to the table we have created.

So to fetch from it we only need to pass a command which is same as that of SQL commands which we call HiveQL.

And the data would come into String and by filtering according to our conditions and getting the required output. That String we pass to JSON

Like our Data is

Example :

IND102 India AUS122 Australia TEST 20161205 // getting this data after querying with HIVE table I am // just taking single row for an example

In Restful services I wrote 3 @Get function because I didn’t have much time left.

For leaderboard I wrote those players name which were winner in the particular game.

I couldn’t start the rest API in run.sh as its last method wasn’t written.