



Load data from Kafka to Hadoop

<Steps to run the python file to load data from Kafka>

- → Copy the python file to /user/livy folder using the following code
 - Hadoop fs -ls -put spark_kafka_to_local /user/livy
- → Once the python file is copied we need to run the below code :
 - export SPARK_KAFKA_VERSION=0.10
 spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.12:3.1.2
 spark_kafka_to_local.py
- → The above code is also providing the dependencies for spark to connect to the kafka {packages and export command}

<Steps to load the data into Hadoop>

- → Copy the python file from local to hadoop to the /user/livy folder using the following code
 - Hadoop fs -ls -put spark_local_flatten /user/livy
- → Once the python file is copied we need to run the below code :
 - export SPARK_KAFKA_VERSION=0.10
 spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.12:3.1.2
 spark_local_flatten.py
- → The above code is also providing the dependencies for spark to connect to the kafka {packages and export command}

<Screenshot of the data>

→ Screenshot of the copied data from kafka to hadoop







→ Screenshot of the flattened data [loading to Hadoop]

