* To run zookeeper:

(base) [bigdata@localhost kafka\_2.12-2.5.0]$ cd $KAFKA\_HOME

(base) [bigdata@localhost kafka\_2.12-2.5.0]$ bin/zookeeper-server-start.sh config/zookeeper.properties

* To run kafka:

(base) [bigdata@localhost kafka\_2.12-2.5.0]$ cd $KAFKA\_HOME

(base) [bigdata@localhost kafka\_2.12-2.5.0]$ bin/kafka-server-start.sh config/server.properties

* Starting Kafka Agent:

bin/kafka-topics.sh --create --bootstrap-server localhost:9092 --replication-factor 1 --partitions 1 --topic web-logs

* Flume to Kafka Agent:

(base) [bigdata@localhost apache-flume-1.7.0-bin]$ nano /home/bigdata/apache-flume-1.7.0-bin/conf/taildir-to-hdfs.conf

(base) [bigdata@localhost apache-flume-1.7.0-bin]$ bin/flume-ng agent \--conf conf \--conf-file conf/taildir-to-hdfs.conf \--name agent \-Dflume.root.logger=INFO,console

* Kafka Stream:

(base) [bigdata@localhost kafka\_2.12-2.5.0]$ cd $KAFKA\_HOME

(base) [bigdata@localhost kafka\_2.12-2.5.0]$ kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic web-logs --from-beginning

* Kafka to HDFS Agent:

(base) [bigdata@localhost apache-flume-1.7.0-bin]$ bin/flume-ng agent \--conf conf \--conf-file conf/kafka-to-hdfs.conf \--name agent2 \-Dflume.root.logger=INFO,console

* Spark Stream:

(base) [bigdata@localhost Desktop]$ spark-submit --master local[4] --packages org.apache.spark:spark-sql-kafka-0-10\_2.12:3.0.1 kafka\_to\_spark.py