

Kafka Flume Exp

1.start HDFS

```
(base) [bigdata@localhost ~]$ start-all.sh
```

```
(base) [bigdata@localhost ~]$ hdfs dfs -mkdir /sept
```

2.start kafka

```
(base) [bigdata@localhost ~]$ ./bin/zookeeper-server-start.sh config/zookeeper.properties
```

```
(base) [bigdata@localhost ~]$ ./bin/kafka-server-start.sh config/server.properties
```

```
(base) [bigdata@localhost kafka]$ bin/kafka-topics.sh --zookeeper 127.0.0.1:2181 --create --  
replication-factor 1 --partitions 1 --topic sample_topic
```

```
(base) [bigdata@localhost kafka]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic  
sample_topic
```

3.Create flume agent

```
flume1.sources = kafka-source-1
```

```
flume1.channels = hdfs-channel-1
```

```
flume1.sinks = hdfs-sink-1
```

```
flume1.sources.kafka-source-1.type = org.apache.flume.source.kafka.KafkaSource
```

```
flume1.sources.kafka-source-1.zookeeperConnect = localhost:2181
```

```
flume1.sources.kafka-source-1.topic = sample_topic
```

```
flume1.sources.kafka-source-1.batchSize = 100
```

```
flume1.sources.kafka-source-1.channels = hdfs-channel-1
```

```
flume1.channels.hdfs-channel-1.type = memory
```

```
flume1.sinks.hdfs-sink-1.channel = hdfs-channel-1
```

```
flume1.sinks.hdfs-sink-1.type = hdfs
```

```
flume1.sinks.hdfs-sink-1.hdfs.writeFormat = Text
```

```
flume1.sinks.hdfs-sink-1.hdfs.fileType = DataStream
```

```
flume1.sinks.hdfs-sink-1.hdfs.filePrefix = test-events
```

```
flume1.sinks.hdfs-sink-1.hdfs.useLocalTimeStamp = true
```

```
flume1.sinks.hdfs-sink-1.hdfs.path = /sept/{topic}/%y-%m-%d
```

```
flume1.sinks.hdfs-sink-1.hdfs.rollCount=100
```

```
flume1.sinks.hdfs-sink-1.hdfs.rollSize=0
```

```
flume1.channels.hdfs-channel-1.capacity = 10000
```

```
flume1.channels.hdfs-channel-1.transactionCapacity = 1000
```

4. Run flume agent

```
flume-ng agent --conf conf --conf-file kafka1.conf --name flume1
```

5.Display the data

```
(base) [bigdata@localhost ~]$ hdfs dfs -cat /sept/sample_topic/23-02-04/test-  
events.1675536645719
```

```
yes
```

```
again
```

```
doing the
```

```
job
```

```
End
```