**Question:**

Write a program for the integration between apache flume and Kafka. Share screenshots of your terminal for proof.

**Ans:** Here are the steps required for data ingestion from Apache flume to apache Kafka:

**Step1:**

Create configuration file in flume conf directory under the name of myfk.conf

Graphical user interface, text, application, email

Description automatically generated

**Step2:**

Create a text file in the home directory with the name of kafkaflume.txt

Shape

Description automatically generated

**Step3:**

Start the Zookeeper server and client:

$apache-zookeeper-3.5.6-bin/bin/zkServer.sh start

Text

Description automatically generated

$apache-zookeeper-3.5.6-bin/bin/zkCli.sh

Text

Description automatically generated

**Step4:**

Start Apache Kafka Server:

$kafka\_2.11-2.4.1/bin/kafka-server-start.sh

kafka\_2.11-2.4.1/config/server.properties

Text

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**Step5:**

Create topic in Apache Kafka:

$kafka\_2.11-2.4.1/bin/kafka-topics.sh --create --zookeeper

localhost:2181 --replication-factor 1 --partitions 1 --topic my\_topic7

Text

Description automatically generated

**Step6:**

In Kafka Directory, run flume command for myfk.conf file:

kafka\_2.11-2.4.1$ flume-ng agent –n a1 -f /home/vaishali/apache-flume- 1.8.0-bin/conf/myfk.conf

Text

Description automatically generated

Step7:

Execute consumer command for the producer in the Kafka topic:

kafka\_2.11-2.4.1$bin/kafka-console-consumer.sh –bootstrap-server localhost:9092 --topic my\_topic1 –from-beginning

Text

Description automatically generated

**Output:**

Output will be the text which is written inside the vaish.txt text file