Kafka - topic creation

[hduser@localhost install]$ kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partition 2 --topic chatbotproject

Created topic "chatbotproject".

[hduser@localhost install]$ kafka-topics.sh --list --zookeeper localhost:2181

chatbotproject

chatbox\_project

[hduser@localhost install]$

[hduser@localhost install]$ kafka-topics.sh --describe --zookeeper localhost:2181 --topic chatbotproject

Topic:chatbotproject PartitionCount:2 ReplicationFactor:1 Configs:

Topic: chatbotproject Partition: 0 Leader: 0 Replicas: 0 Isr: 0

Topic: chatbotproject Partition: 1 Leader: 0 Replicas: 0 Isr: 0

Topic is fine. Tested with producer and consumer

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MYSQL: use custdb;

create table cust\_chatdata(id integer,chattext varchar(2000),agentcustind char(1),updts timestamp);

-- changed varchar(20000) to varchar(2000)

Text, letter

Description automatically generated

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NIFI:

a pipeline created from MYSQL db (custdb.cust\_chatdata) to avrotoJSON to publishKafka(chatbotproject).

Diagram

Description automatically generated

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Testing if NIFI process is good.

Mistake made:

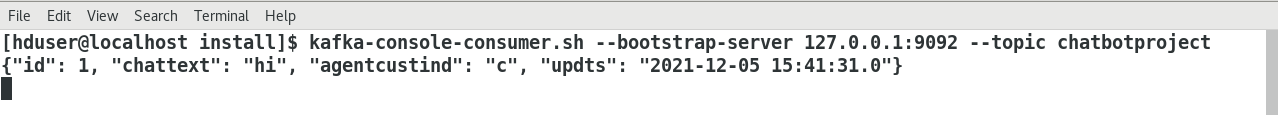
1. JAR file name was given as “/home/hduser/install/mysql-connector-java.jar” instead of <file:///home/hduser/install/mysql-connector-java.jar>. Corrected it
2. DB connection URL is given as “127.0.0.1:3306” instead of “jdbc:mysql://127.0.0.1:3306”. Corrected it.
3. Maximum-column-values was not set in the QUERYDATABASETABLE. Corrected it.

Graphical user interface, table

Description automatically generated

Diagram

Description automatically generated



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Switch of the NIFI process to get resource for eclipse.

Started hive metastore service.

Text, letter

Description automatically generated

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Initial call is success:

Graphical user interface, text

Description automatically generated

Sample testing of the process application is working.

Text, letter

Description automatically generated

Data got stored into HIVE

Graphical user interface, text, application, email

Description automatically generated

Dropping HIVE table and used overwrite option for testing purpose

Text

Description automatically generated

Question:

I didn’t commit the offsets in the program.

But offset values got incremented.

Writing into a hive table will commit offsets automatically?

Code till this below thing is with the name: **chatAnalysis\_till\_HIVE**

**Or I should’ve used it earliest before and latest now?**

Text

Description automatically generated

Mistake made:

1. Hive column names and ES type names should match. Corrected it and data is visible in Kibana.

Chart, pie chart

Description automatically generated

After 16 hits in Kibana.

Chart, pie chart

Description automatically generated

After 18 updates.

Chart, pie chart

Description automatically generated