

Nifi Kafka Pipeline

STEP 1

Creating a topic named NiFi message.

[root@elephant ~]# kafka-topics --create --bootstrap-server elephant.kafka.com:9092 --topic nifimessage Created topic nifimessage.

STEP 2

Create a directory named kafkanifi in root directory

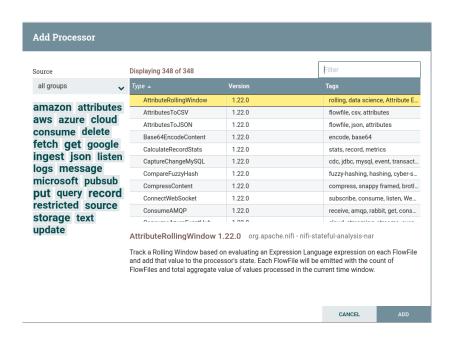
[root@elephant ~]# mkdir /root/kafkanifi/ [root@elephant ~]# chmod 777 /root/kafkanifi

Step 3

Configuring GetFile Processor

Drag the processor into canvas



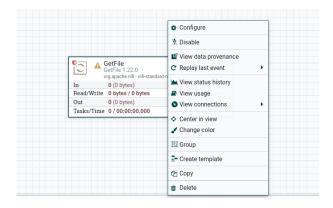


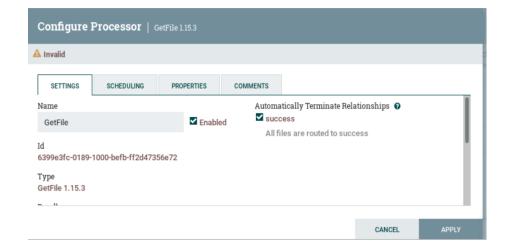


Search for GetFile and click ADD



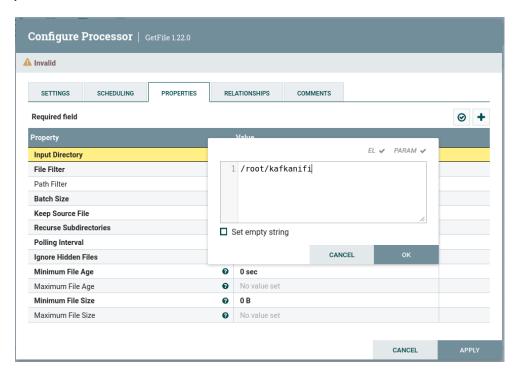
Right click on GetFile and Select Configure







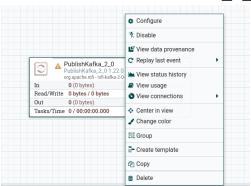
Select PROPERTIES and mention the OS directory with path, under Input Directory.



Click OK and click on APPLY

Step 4

Now again drag Processor and search "PublishKafka_2_0", and select ADD



Right click and select configure





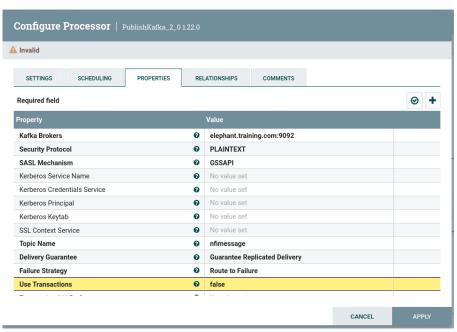
select **PROPERTIES**

Provide

kafka brokers: elephant.training.com:9092

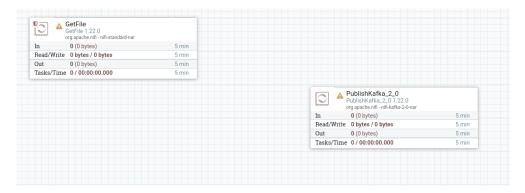
Topic name: nifimessage

Use transactions: false

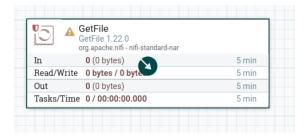


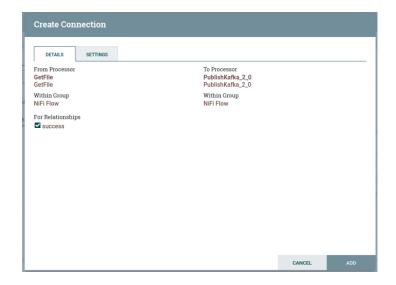
Click on **APPLY**

Step 5Creating relationship



Move the cursor to center of GetFile to get relationship Arrow and drag it to Publish kafka to create relationship.

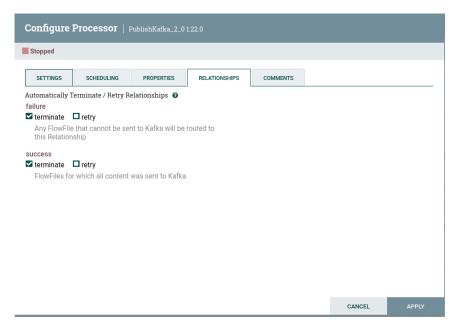




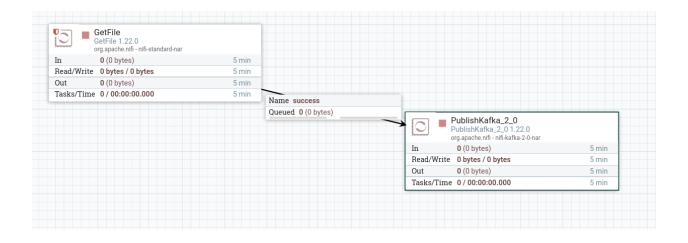
Click on ADD



Right click on Publish kafka and select Configure



Tick on terminate under failure and success, and click on APPLY

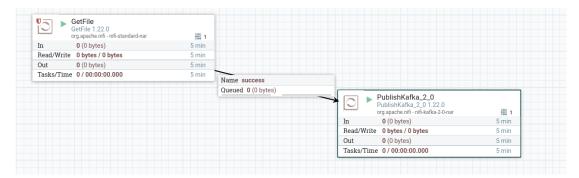




STEP 6

Start the consumer and leave the terminal.

Start GetFile and PublishKafka, by right clicking on both the processors one by one and selecting Start. After start it looks like below.



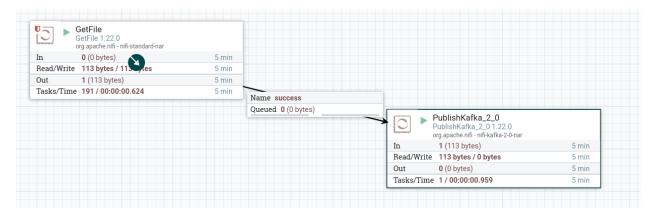
STEP 7

Now copy the provided people.txt into /root/kafkanifi

|# cp people.txt /root/kafkanifi/

STEP 8

Check the data., showing bytes in Read/Write.



Check the consumer

[root@saibigdata ~]# kafka-console-consumer --bootstrap-server saibigdata.training.com:9092 --topic nifimessage 02134, Hopper, Grace, 52 94020, Turing, Alan, 32 94020, Lovelace, Ada, 28 87501, Babbage, Charles, 49 02134, Wirth, Niklaus, 48

*** Happy Learning ***