



Ingestion of Streaming Aviation Data

Step-1: Start the Apache NiFi using following commands-

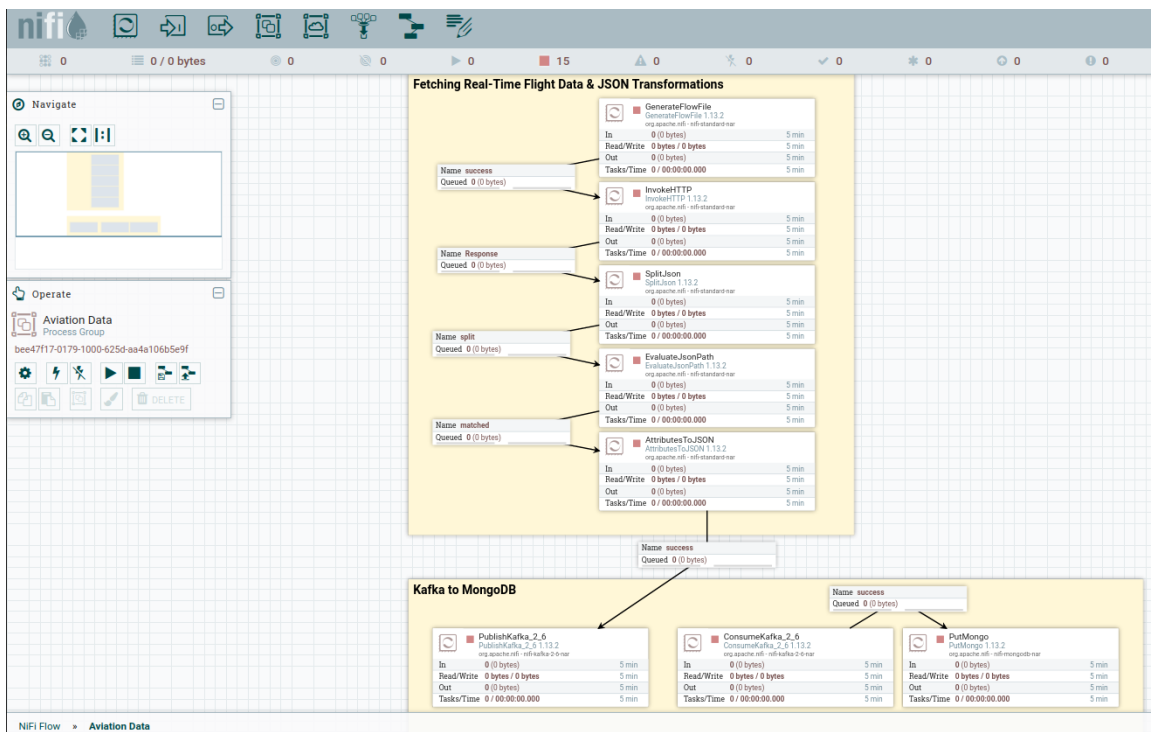
- ./nifi-env.sh start
- ./nifi.sh start

Step-2: Go to the localhost:8080 to access the NiFi user interface.

Step-3: Drag down the following processors one by one:

1. InvokeHTTP
2. SplitJSON
3. EvaluateJSONPath
4. AttributesToJSON
5. PublishKafka
6. ConsumeKafka (Should be of same version as PublishKafka)
7. PutMongoDB

Step-4: Connect them in this order and specify the relationship among the processors as shown in the template.



Fetching Real-Time Flight Data & JSON Transformations

Name success
Queued 0 (0 bytes)

Name Response
Queued 0 (0 bytes)

Name split
Queued 0 (0 bytes)

Name matched
Queued 0 (0 bytes)

	GenerateFlowFile GenerateFlowFile 1.13.2 org.apache.nifi - nifi-standard-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

	InvokeHTTP InvokeHTTP 1.13.2 org.apache.nifi - nifi-standard-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

	SplitJson SplitJson 1.13.2 org.apache.nifi - nifi-standard-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

	EvaluateJsonPath EvaluateJsonPath 1.13.2 org.apache.nifi - nifi-standard-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

	AttributesToJSON AttributesToJSON 1.13.2 org.apache.nifi - nifi-standard-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

Name success
Queued 0 (0 bytes)

Name matched
Queued 0 (0 bytes)

	AttributesToJSON AttributesToJSON 1.13.2 org.apache.nifi - nifi-standard-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

Name success
Queued 0 (0 bytes)

Kafka to MongoDB

Name success
Queued 0 (0 bytes)

	PublishKafka_2_6 PublishKafka_2_6 1.13.2 org.apache.nifi - nifi-kafka-2.6-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

	ConsumeKafka_2_6 ConsumeKafka_2_6 1.13.2 org.apache.nifi - nifi-kafka-2.6-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

	PutMongo PutMongo 1.13.2 org.apache.nifi - nifi-mongodb-nar
In	0 (0 bytes) 5 min
Read/Write	0 bytes / 0 bytes 5 min
Out	0 (0 bytes) 5 min
Tasks/Time	0 / 00:00:00.000 5 min

Step-5: Start the processor to start the real time stream of data.