

# producer.py

from flask import Flask, request, jsonify

import json

# from flask\_cors import CORS

from kafka import KafkaConsumer, KafkaProducer

app = Flask(\_\_name\_\_)

TOPIC\_NAME = "INFERENCE"

KAFKA\_SERVER = "localhost:9092"

producer = KafkaProducer(

bootstrap\_servers=KAFKA\_SERVER,

api\_version=(0, 11, 15)

)

@app.route('/kafka/pushToConsumers', methods=['POST'])

def kafkaProducer():

req = request.get\_json(force=True)

print(req)

json\_payload = json.dumps(req)

print(json\_payload)

json\_payload = str.encode(json\_payload)

### push data into INFERENCE TOPIC

producer.send(TOPIC\_NAME, json\_payload)

producer.flush()

print("Sent to consumer")

return jsonify({

"message": "You will receive an email in a short while with the plot",

"status": "Pass"})

if \_\_name\_\_ == "\_\_main\_\_":

app.run(debug=True, port=5000)

# consumer.py

from kafka import KafkaConsumer, KafkaProducer

TOPIC\_NAME = "INFERENCE"

KAFKA\_SERVER = "localhost:9092"

consumer = KafkaConsumer(

TOPIC\_NAME

)

for message in consumer:

print(str(message.value))