

1_CCFD_Producer

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```
[ ]: from kafka.admin import NewTopic, KafkaAdminClient
    from kafka import KafkaProducer
    import json
    from time import sleep
    import pandas as pd

[ ]: # Create Topic object
    topic = NewTopic(name="topictest",
                     num_partitions=3,
                     replication_factor=1)

[ ]: # Create Admin object
    admin = KafkaAdminClient(bootstrap_servers='localhost:9092')

[ ]: # Create Topic on Kafka Server
    admin.create_topics([topic])

[ ]: def json_serializer(data):
    return json.dumps(data).encode('utf-8')

[ ]: producer = KafkaProducer(bootstrap_servers='localhost:9092',
                             value_serializer=json_serializer)

[ ]: df = pd.read_csv('../data/creditcard.csv')

[ ]: df.shape

[ ]: df.head()

[ ]: df.drop('Class', axis=1,inplace=True)

[ ]: df.head()

[ ]: for index,row in df.iterrows():
    producer.send("topictest", row.to_dict())
    # sleep(5)
```