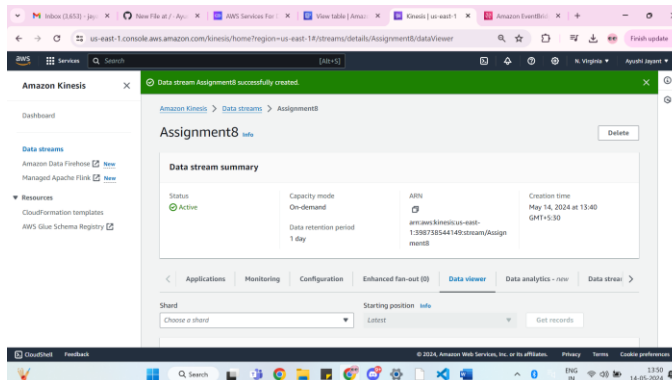
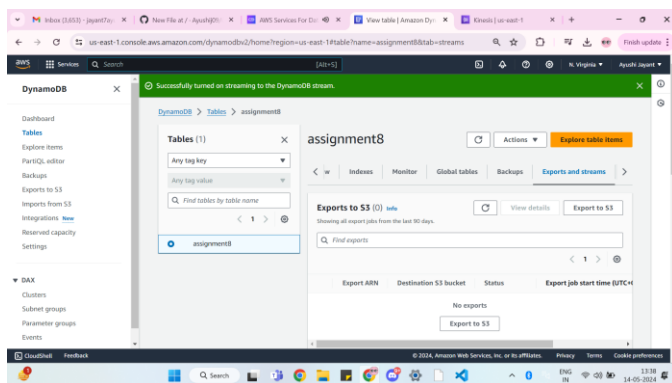


Assignment 8 : Sales_Data_Projection_Project

- 1)created Dynamo db with ordered as partition key
- 2)created kinesis data stream
- 3)created eventbridge pipe with source and destination as dynamodb and kds
- 4)generated mock data from python terminal
- 5)items are visible in dynamo db table
- 6)getting data in kds as per shard and operations performed on items of ddb table
- 7)Created kinesis firehose with source as lambda and target as s3 bucket
- 8)we are getting data in our s3 bucket
- 9)open glue crawler
- 10)Querying data using athena on top of s3 bucket



```
Windows PowerShell
PS C:\Users\Ayushi> aws dynamodb list-tables

Unknown output type: JSON
PS C:\Users\Ayushi> python C:\Users\Ayushi\OneDrive\Desktop\DS-COURSE\awsdo\Assignment\Sales_Data_Projection_Project\
mock_data_generator_for_dynamodb.py
Inserted data: [{"orderid": "3839", "product_name": "Charger", "quantity": 5, "price": Decimal("779.99")}]
Inserted data: [{"orderid": "9090", "product_name": "Charger", "quantity": 5, "price": Decimal("277.51")}]
Inserted data: [{"orderid": "1581", "product_name": "Phone", "quantity": 2, "price": Decimal("107.89")}]
Inserted data: [{"orderid": "9013", "product_name": "Laptop", "quantity": 5, "price": Decimal("221.97")}]
Inserted data: [{"orderid": "4384", "product_name": "Charger", "quantity": 5, "price": Decimal("441.15")}]
Inserted data: [{"orderid": "6869", "product_name": "Phone", "quantity": 1, "price": Decimal("776.22")}]
Inserted data: [{"orderid": "1171", "product_name": "Headphones", "quantity": 5, "price": Decimal("291.71")}]
Inserted data: [{"orderid": "5022", "product_name": "Charger", "quantity": 5, "price": Decimal("408.99")}]
Inserted data: [{"orderid": "3662", "product_name": "Charger", "quantity": 3, "price": Decimal("307.8")}]
Inserted data: [{"orderid": "2042", "product_name": "Headphones", "quantity": 2, "price": Decimal("50.74")}]
Inserted data: [{"orderid": "8635", "product_name": "Headphones", "quantity": 1, "price": Decimal("420.69")}]
Inserted data: [{"orderid": "7987", "product_name": "Laptop", "quantity": 5, "price": Decimal("390.7")}]
Inserted data: [{"orderid": "7984", "product_name": "Headphones", "quantity": 5, "price": Decimal("231.61")}]
Inserted data: [{"orderid": "968", "product_name": "Headphones", "quantity": 2, "price": Decimal("54.41")}]
Inserted data: [{"orderid": "1360", "product_name": "Phone", "quantity": 4, "price": Decimal("165.61")}]
Inserted data: [{"orderid": "8040", "product_name": "Phone", "quantity": 2, "price": Decimal("296.19")}]
Inserted data: [{"orderid": "1121", "product_name": "Laptop", "quantity": 5, "price": Decimal("225.97")}]
Inserted data: [{"orderid": "9433", "product_name": "Headphones", "quantity": 2, "price": Decimal("31.62")}]
```

Items returned (37)

orderid (String)	price	product_name	quantity
2471	425.66	Headphones	2
1220	290.37	Tablet	5
3663	348.49	Laptop	1
5846	325.08	Phone	5
3577	335.2	Laptop	1
5032	478.79	Charger	5
3859	470...	Charger	4
7984	231.61	Headphones	5
9911	221.97	Laptop	5
6068	274.22	Phone	1

Record data

Sequence number: 496520303200488792843103491079891631169808960948684954
Shard ID: shardid-0000000000003

Raw data JSON Copy

```
{
  "eventId": "2b2bc22e1e5298f42bd02bab1156f8b7",
  "eventName": "DYNAMODB",
  "eventVersion": "1.1",
  "eventSource": "aws:dynamodb",
  "awsRegion": "us-east-1",
  "dynamodb": {
    "ApproximateCreationDateTime": 1715678022,
    "Keys": {
      "orderid": "1581"
    },
    "SequenceNumber": "21500000000072782066179",
    "SizeBytes": 11,
    "StreamViewType": "NEW_IMAGE",
    "eventSourceARN": "arn:aws:dynamodb:us-east-1:398738544149:table/assignment8/stream/2024-05-14T08:03:32.936"
  }
}
```

KDS-S3-wfA3n was successfully created.

Amazon Data Firehose > Firehose streams > KDS-S3-wfA3n

KDS-S3-wfA3n info

Delete Firehose stream

Firehose stream details

Status	Destination	Data transformation	Creation time
Active	Amazon S3	Enabled	May 14, 2024 at 15:49 GMT+5:30
Source	ARN	Dynamic partitioning	Error logs status
Amazon Kinesis Data Streams	arn:aws:firehose:us-east-1:398738544149:deliverystream/KDS-S3-wfA3n	Not enabled	0 Destination error logs

Test with demo data info

Inject simulated data to test the configuration of your Firehose stream. Standard Amazon Data Firehose charges apply.

