

EXP NO: 6

RA2011028010069

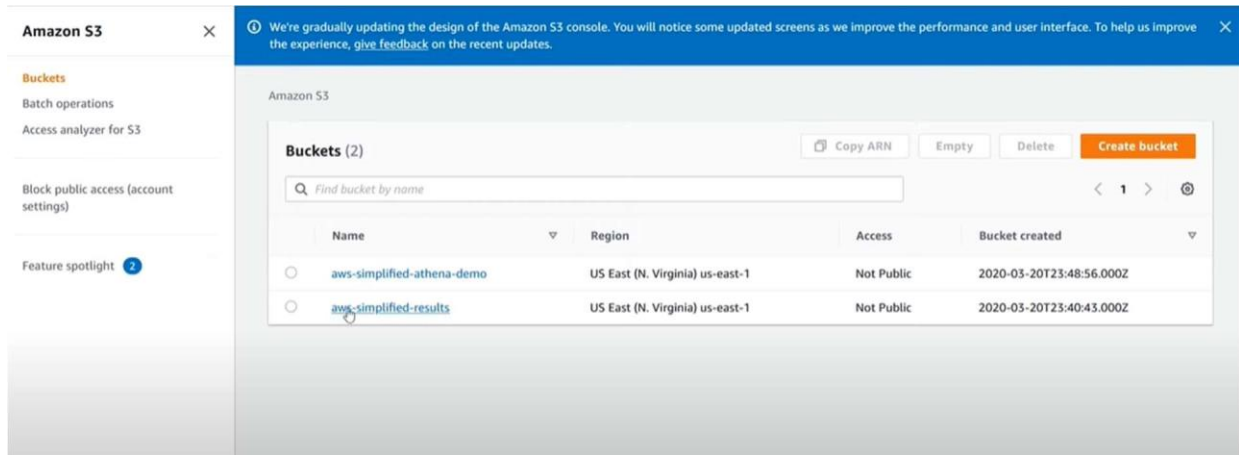
D BHARGAV

Querying Data in S3 with Amazon Athena

Aim: Querying Data in S3 with Amazon Athena

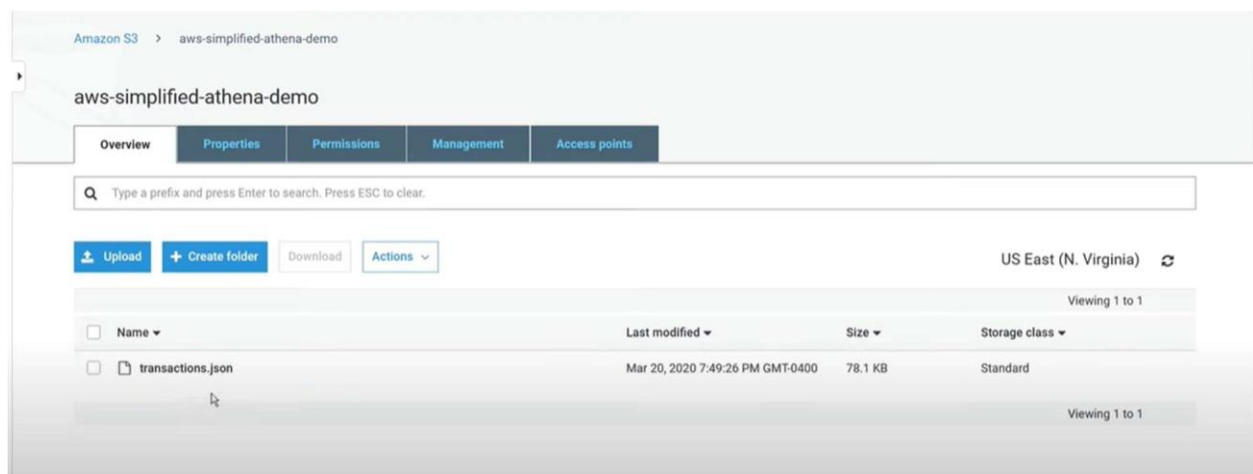
Step 1:

Go to buckets and create two buckets.



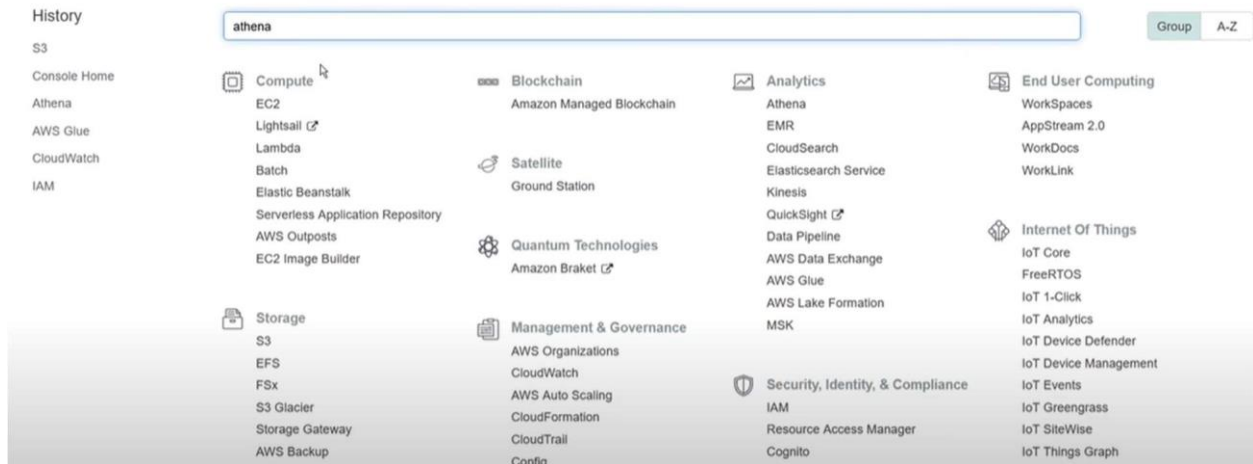
Step 2 :

After clicking onto the bucket add files to it.



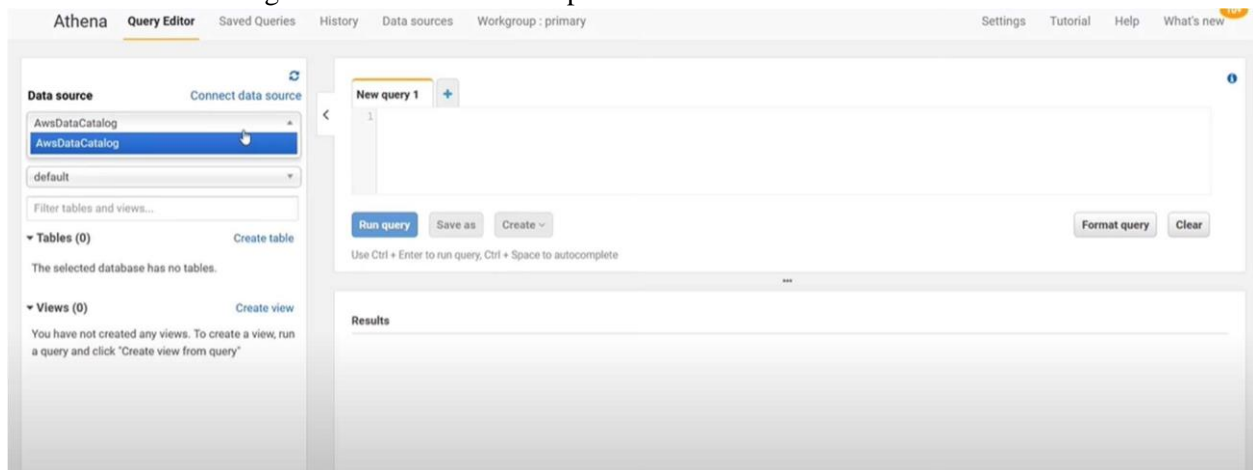
Step 3 :

Now go to Amazon athena.



Step 4 :

Select AwsDataCatalog in the left side which is present in the data source tab.



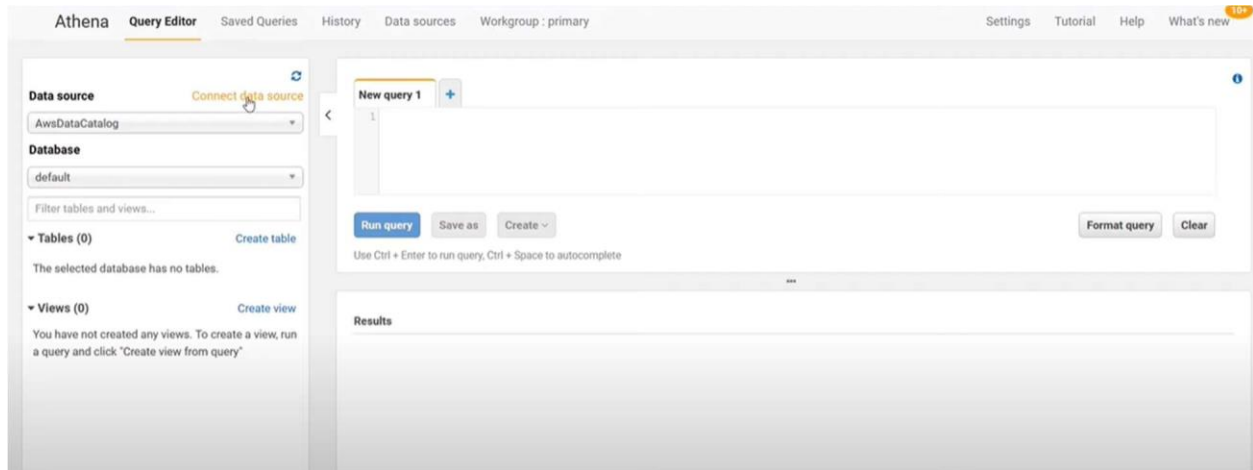
Step 5 :

After that go to settings and specify an output path.



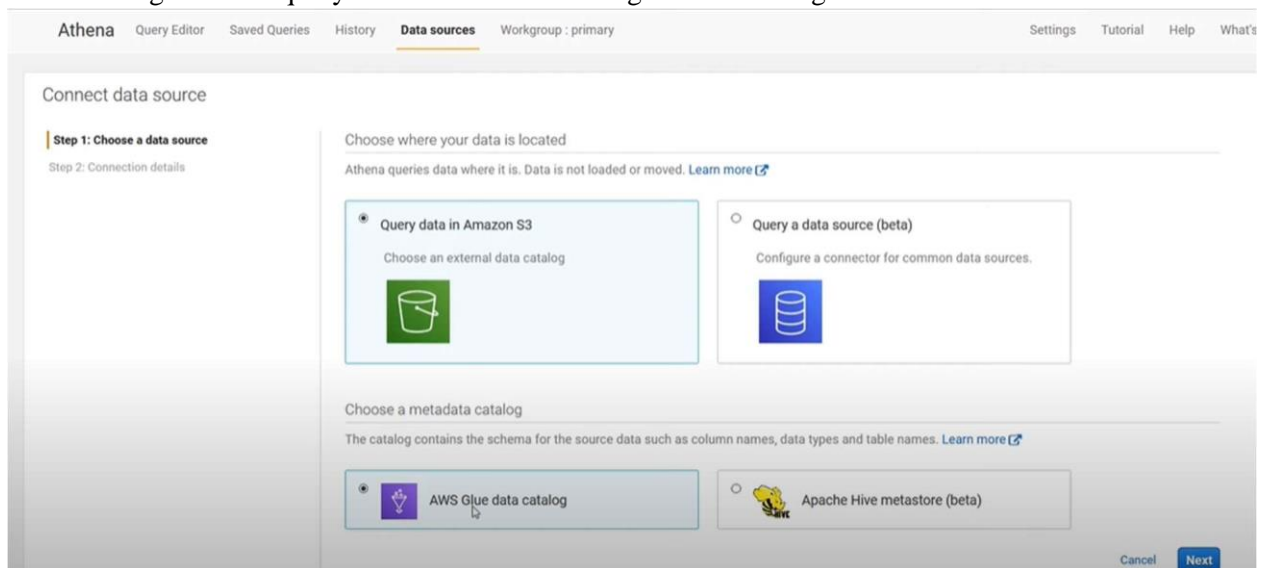
Step 6:

Click on connect data source.



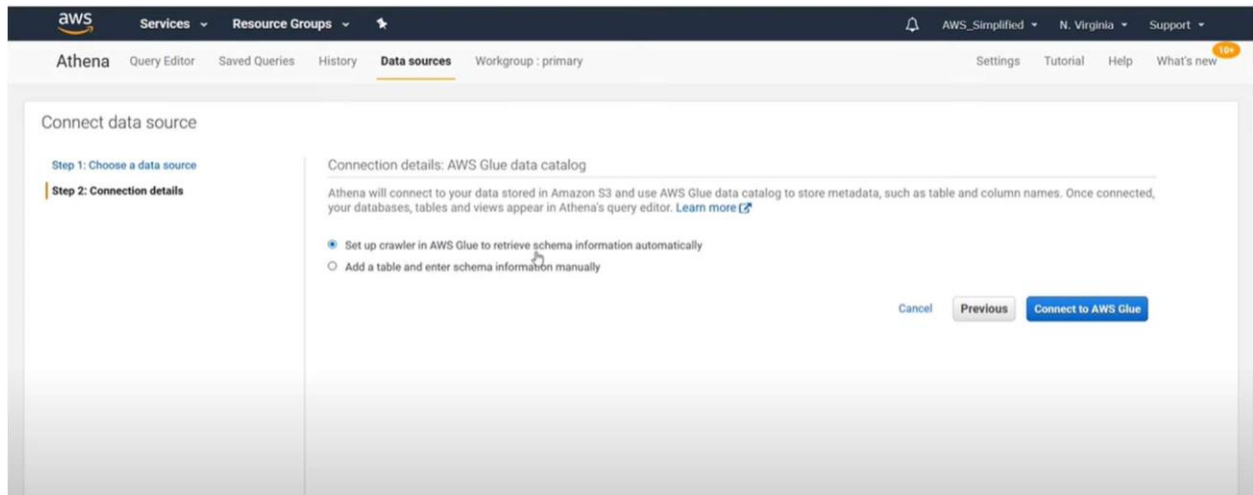
Step 7:

After clicking choose a query in amazon s3 and Aws glue data catalog.

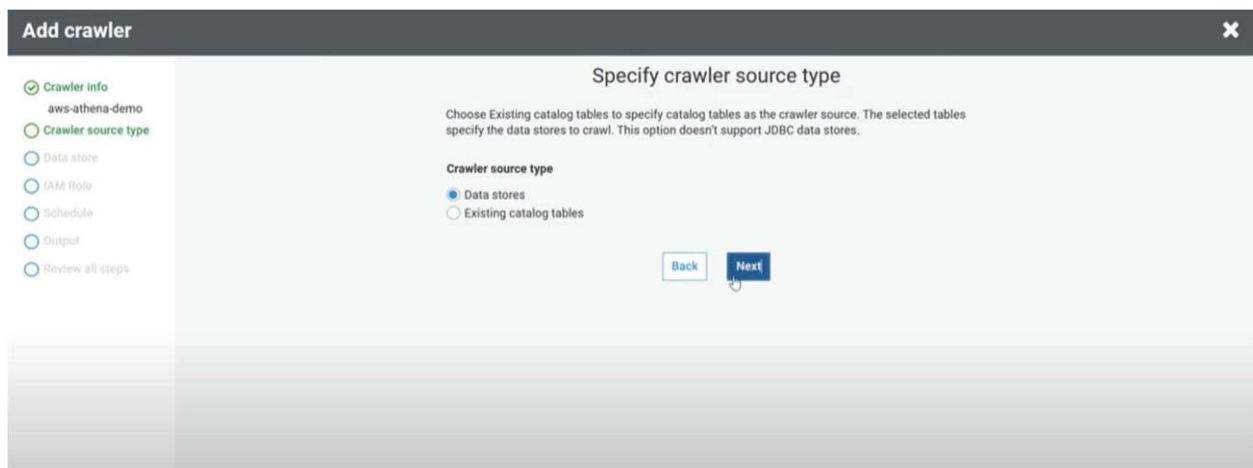
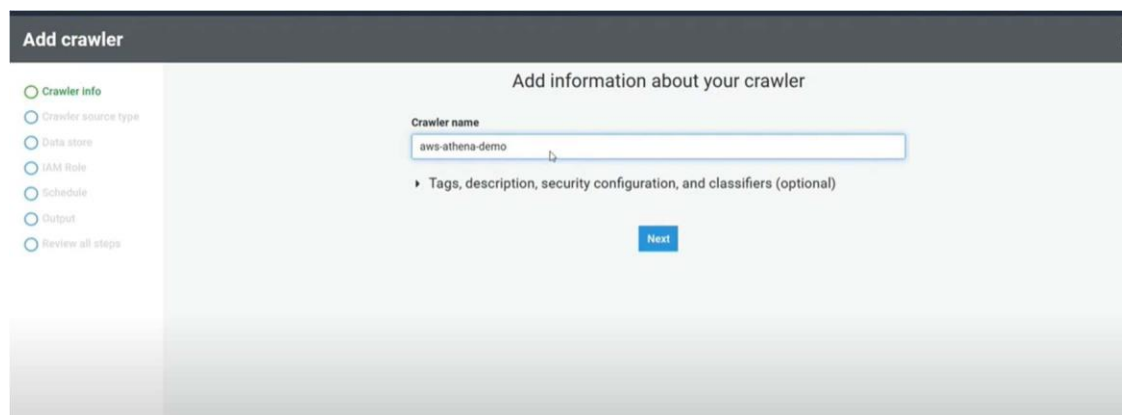


Step 8:

Click on next and select setup a crawler in AWS glue to retrieve schema information automatically.



Step 9: After selecting that it will redirect to a new page and add crawler and follow below steps to add a new crawler after setting up click on finish.



Add crawler

✓ Crawler info

aws-athena-demo

✓ Crawler source type

Data stores

○ Data store

○ IAM Role

○ Schedule

○ Output

○ Review all steps

Add a data store

Choose a data store

s3

Crawl data in

☒ Specified path in my account

☐ Specified path in another account

Include path

s3://bucket/prefix/object

Exclude patterns (optional)

Back

Next

Add crawler

✓ Crawler info

aws-athena-demo

✓ Crawler source type

Data stores

✓ Data store

S3: s3://aws-simplifi...

○ IAM Role

○ Schedule

○ Output

○ Review all steps

Choose an IAM role

The IAM role allows the crawler to run and access your Amazon S3 data stores. [Learn more](#)

☐ Update a policy in an IAM role

☐ Choose an existing IAM role

☒ Create an IAM role

IAM role ⓘ

AWSGlueServiceRole-

demo

To create an IAM role, you must have **CreateRole**, **CreatePolicy**, and **AttachRolePolicy** permissions.

Create an IAM role named **"AWSGlueServiceRole-rolename"** and attach the AWS managed policy, **AWSGlueServiceRole**, plus an inline policy that allows read access to:

- s3://aws-simplified-athena-demo/

You can also create an IAM role on the [IAM console](#).

Back

Next

✓ Crawler info

aws-athena-demo

✓ Crawler source type

Data stores

✓ Data store

S3: s3://aws-simplifi...

✓ IAM Role

arn:aws:iam::398447858632:role/service-role/AWSGlueServiceRole-demo

○ Schedule

○ Output

○ Review all steps

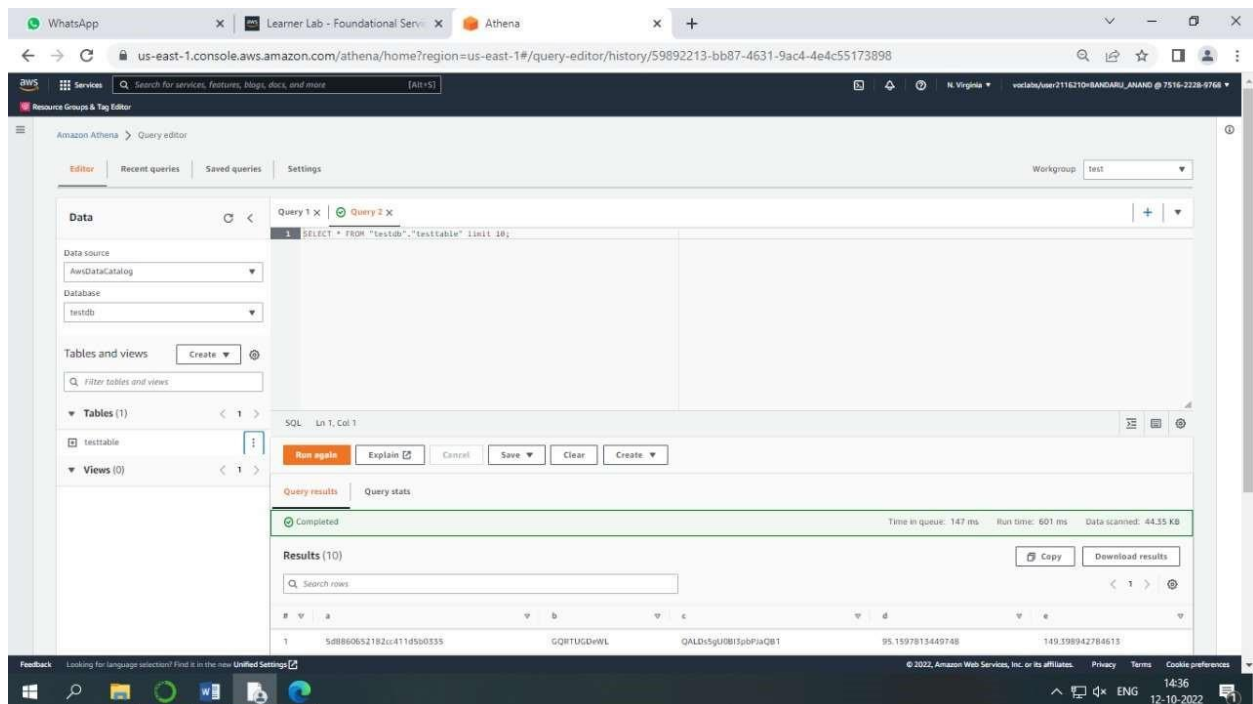
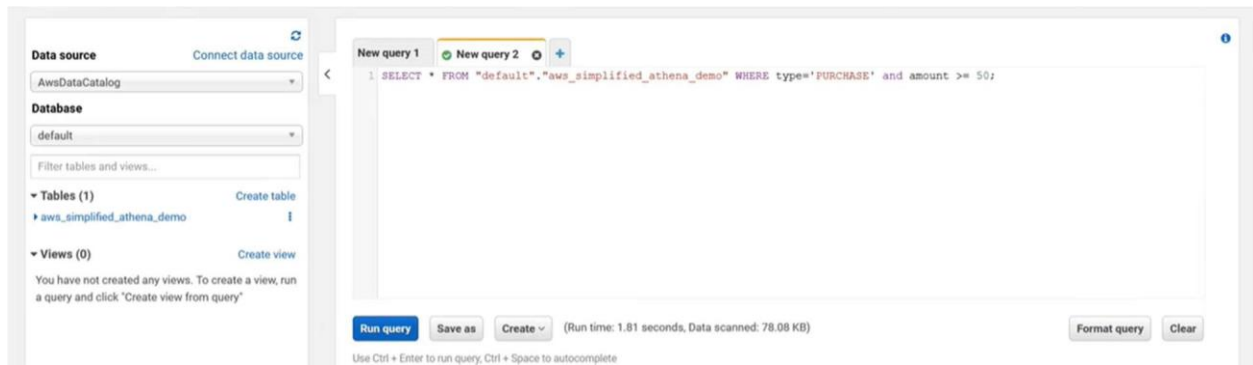
Create a schedule for this crawler

Frequency

Run on demand

Back

Next



RESULT:

Querying Data in S3 with Amazon Athena is done and output is verified.

