

Experiment 6

Querying data in S3 with Amazon Athena

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Aim: Querying Data in S3 with Amazon Athena

Step 1:

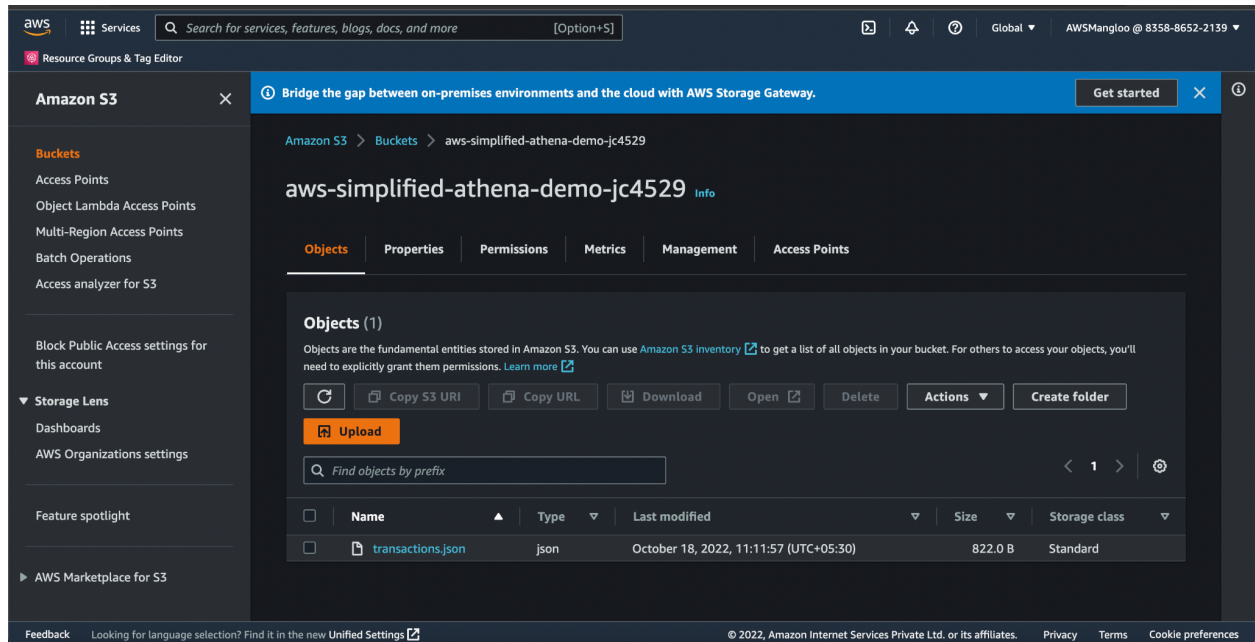
Go to buckets and create two buckets.

The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation options like Buckets, Access Points, and Storage Lens. The main content area shows the 'Buckets' page with an 'Account snapshot' and a list of buckets. The account snapshot shows total storage of 503.9 KB, 8 objects, and an average object size of 63.0 KB. The buckets list shows two buckets: 'aws-simplified-athena-demo-jc4529' and 'aws-simplified-results-jc4529', both in the Asia Pacific (Mumbai) ap-south-1 region with 'not public' access.

Name	AWS Region	Access	Creation date
aws-simplified-athena-demo-jc4529	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	October 18, 2022, 10:07:40 (UTC+05:30)
aws-simplified-results-jc4529	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	October 18, 2022, 10:08:21 (UTC+05:30)

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.

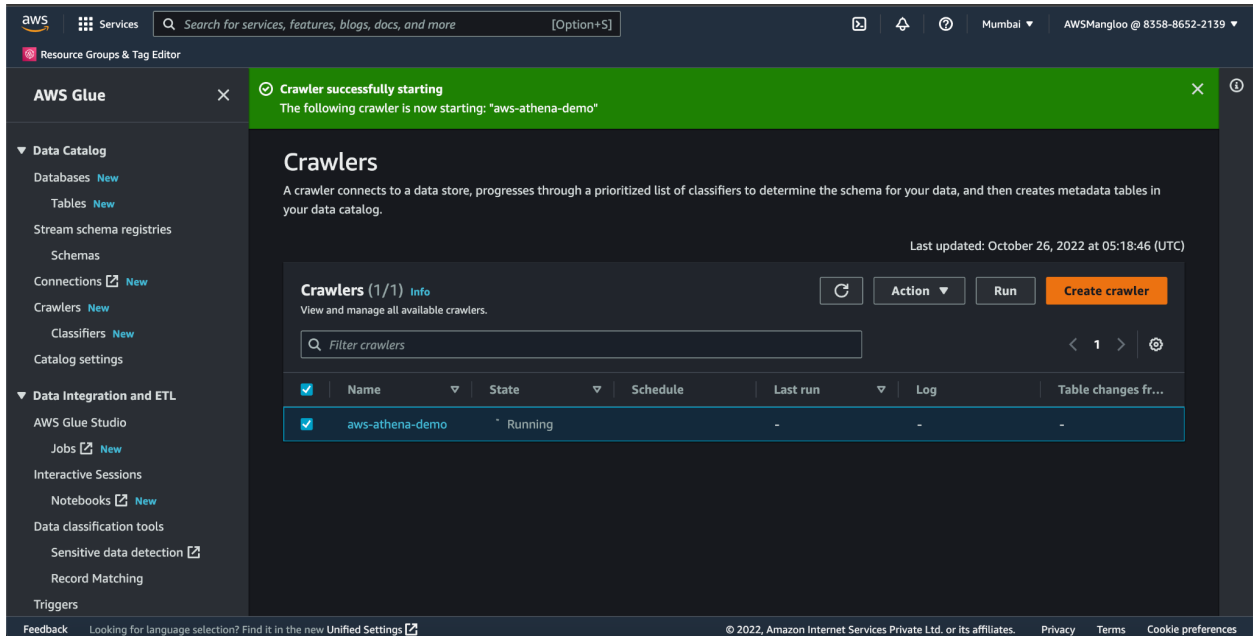
Step 8:

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.

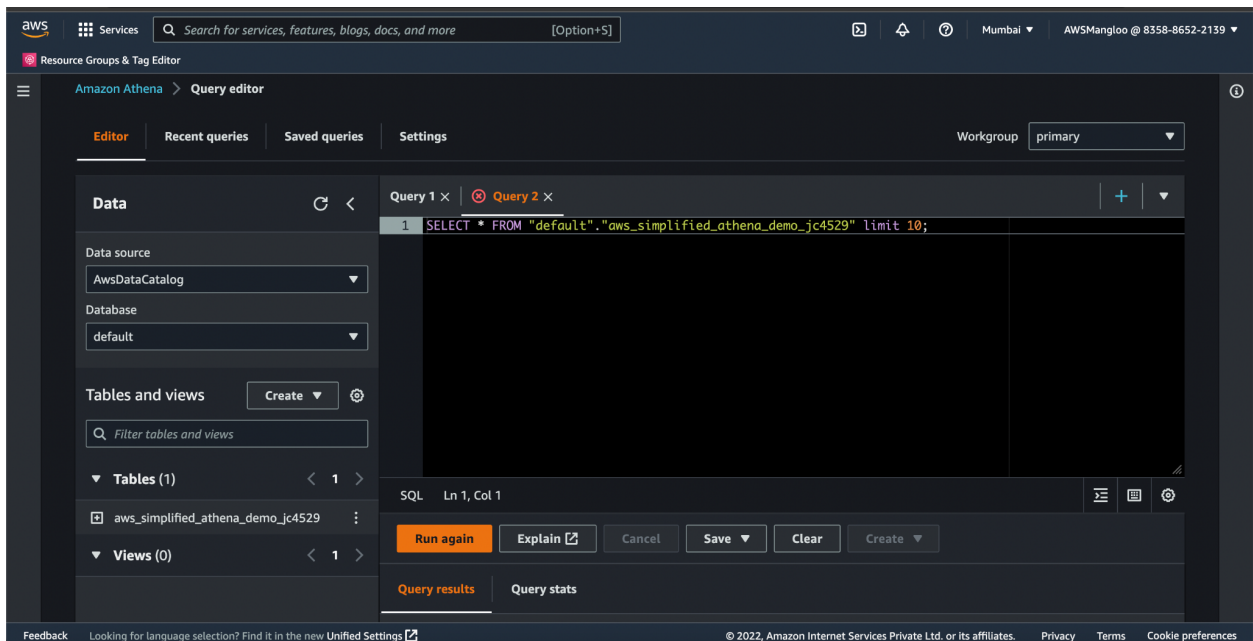
Step 10:

Crawler is successfully created and now click on the crawler and click run crawler.



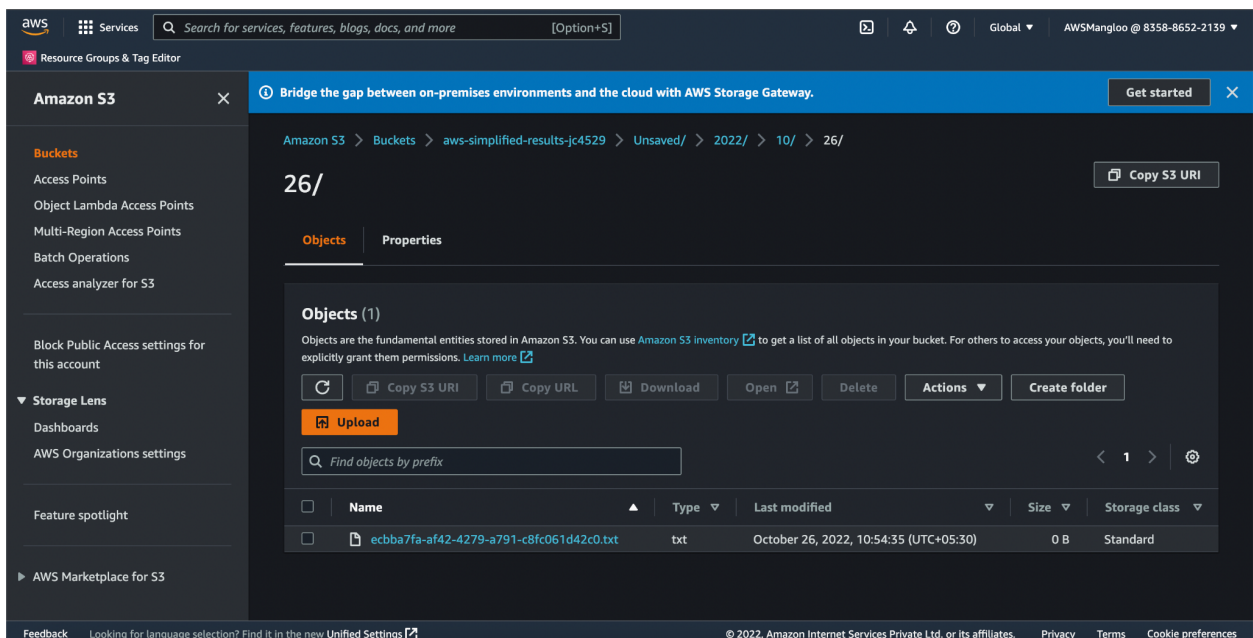
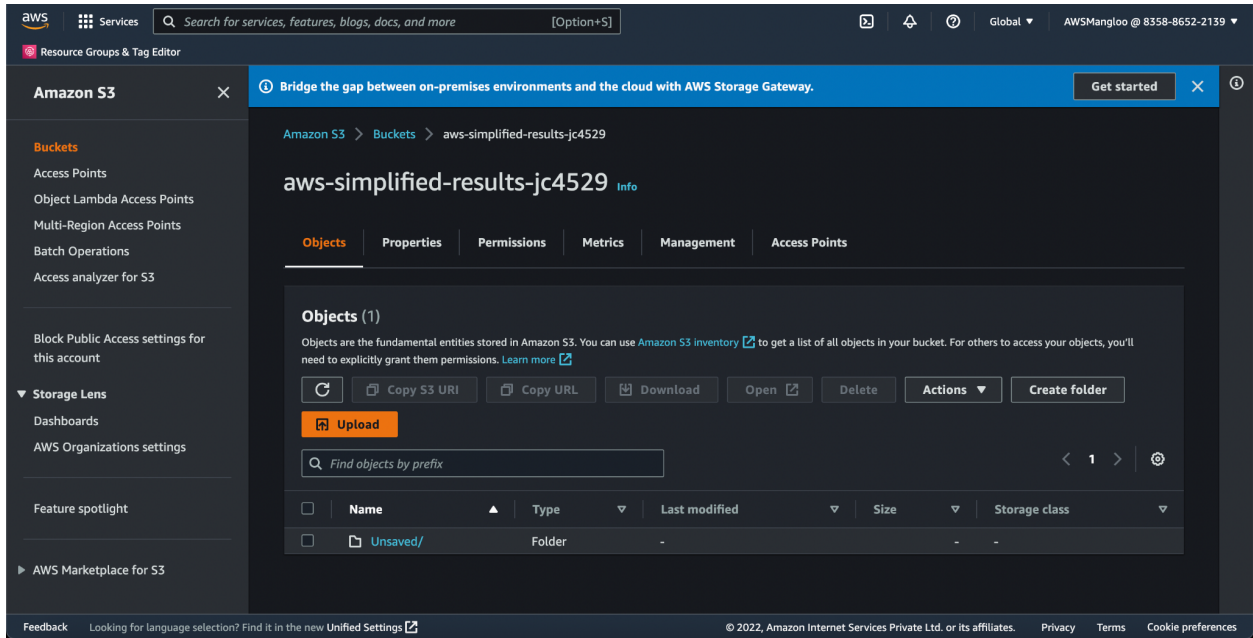
Step 11:

After running the crawler go back to athena you will see a table created on table column select that and click on preview table.



Step 12:

Now the query can be executed.



Result :

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