

# Experiment 6

## Querying data in S3 with Amazon Athena

**Aim:** Querying Data in S3 with Amazon Athena

**Step 1:**

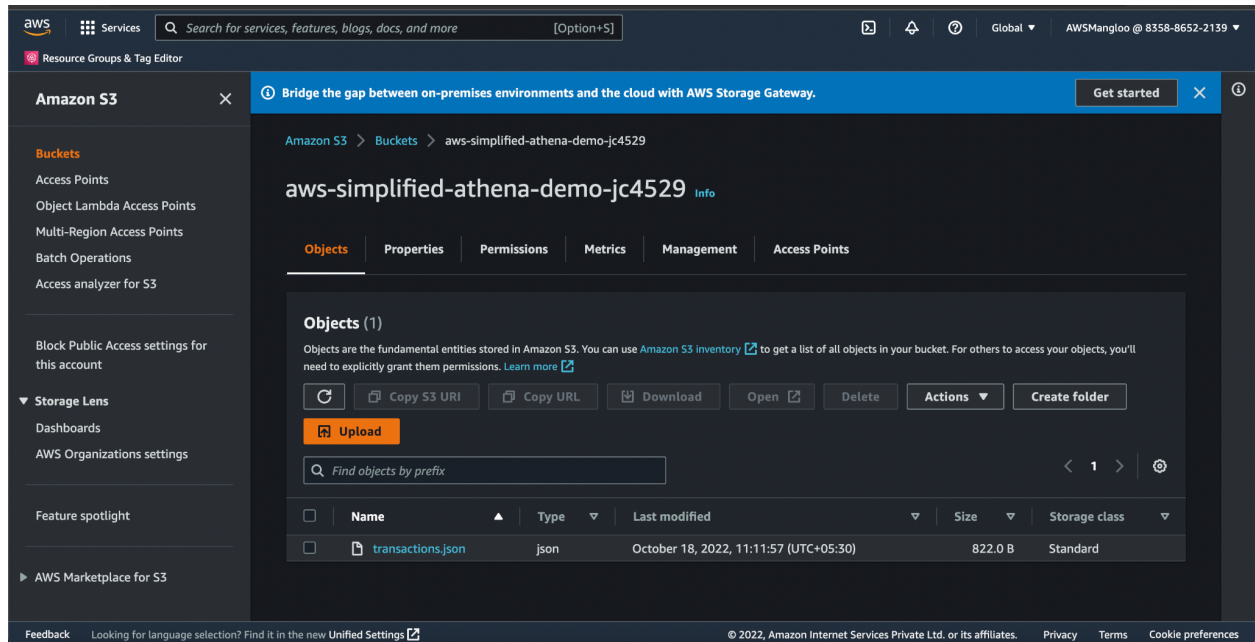
Go to buckets and create two buckets.

The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation links for Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings for this account, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area is titled 'Amazon S3 > Buckets'. It features an 'Account snapshot' section with a 'View Storage Lens dashboard' button. The snapshot shows 'Total storage' as 503.9 KB, 'Object count' as 8, and 'Avg. object size' as 63.0 KB. Below this is a 'Buckets (2)' section with a search bar and a table of buckets. The table has columns for Name, AWS Region, Access, and Creation date. Two buckets are listed: 'aws-simplified-athena-demo-jc4529' and 'aws-simplified-results-jc4529', both in the 'Asia Pacific (Mumbai) ap-south-1' region with 'Bucket and objects not public' access. The footer includes a feedback link, a language selection notice, and copyright information for 2022.

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.

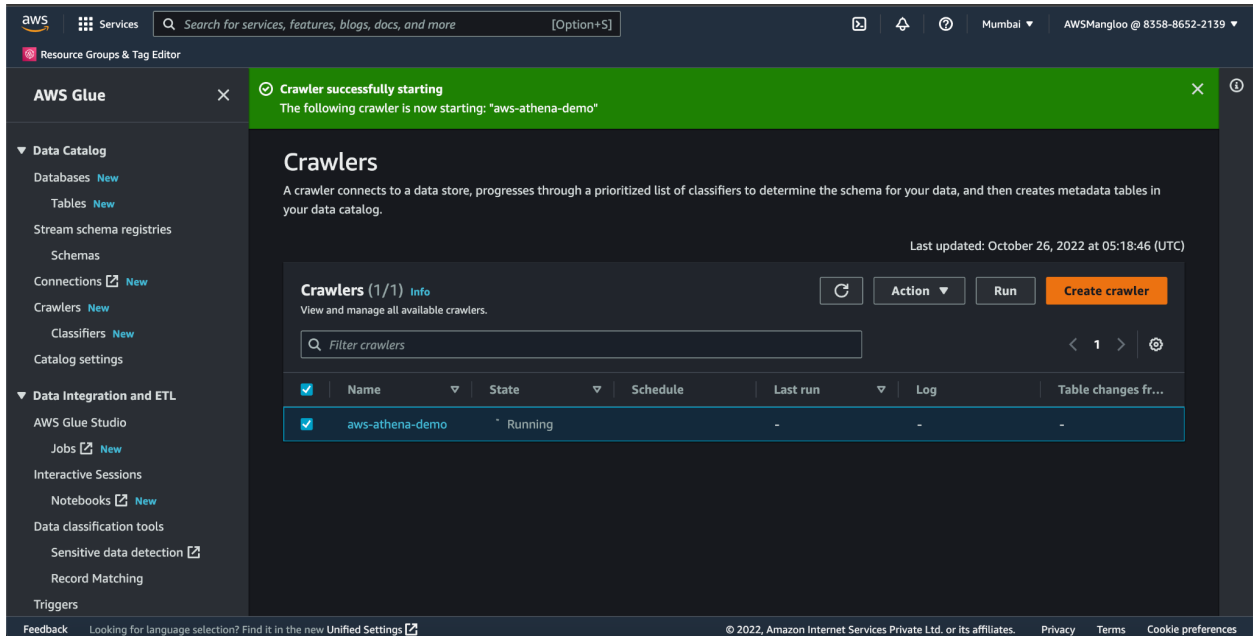
Step 8:

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.

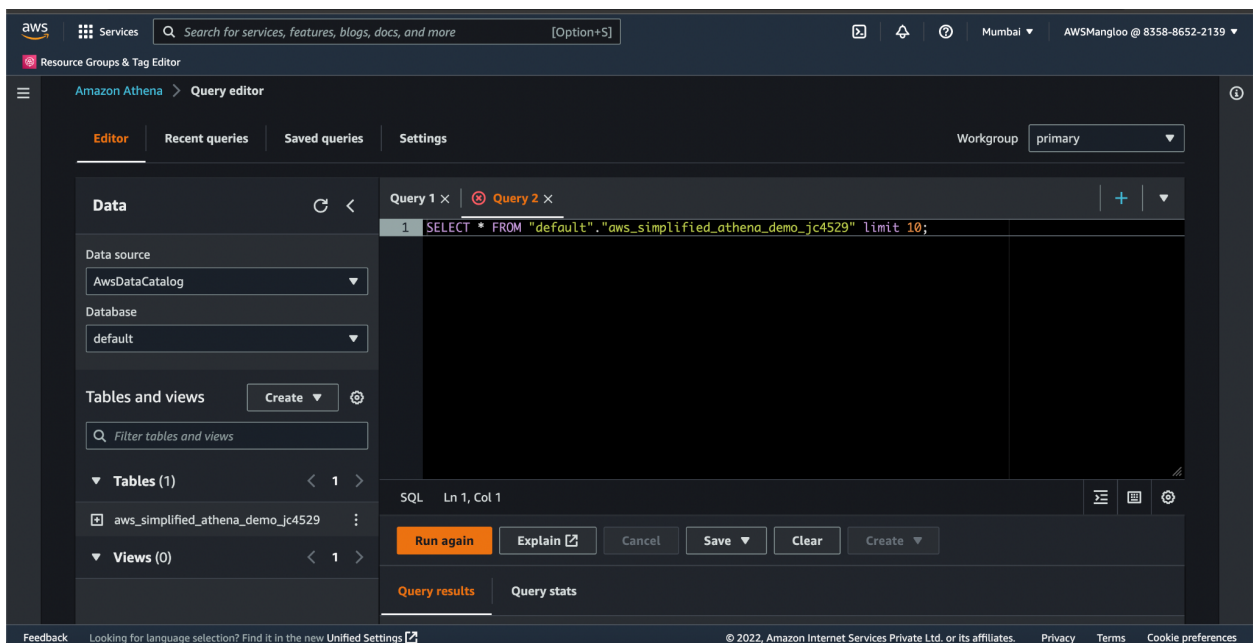
Step 10:

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.

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Amazon S3 > Buckets > aws-simplified-results-jc4529

## aws-simplified-results-jc4529 [Info](#)

**Objects** Properties Permissions Metrics Management Access Points

**Objects (1)**

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#)

[Upload](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	Unsaved/	Folder	-	-	-

Feedback Looking for language selection? Find it in the new Unified Settings

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Amazon S3 > Buckets > aws-simplified-results-jc4529 > Unsaved/ > 2022/ > 10/ > 26/

## 26/ [Copy S3 URI](#)

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[Upload](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	ecbba7fa-af42-4279-a791-c8fc061d42c0.txt	txt	October 26, 2022, 10:54:35 (UTC+05:30)	0 B	Standard

Feedback Looking for language selection? Find it in the new Unified Settings

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**Result :**

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