

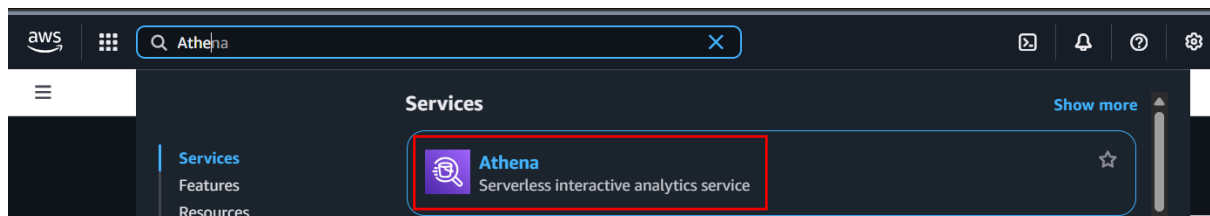
Workgroups

To Begin with the Lab

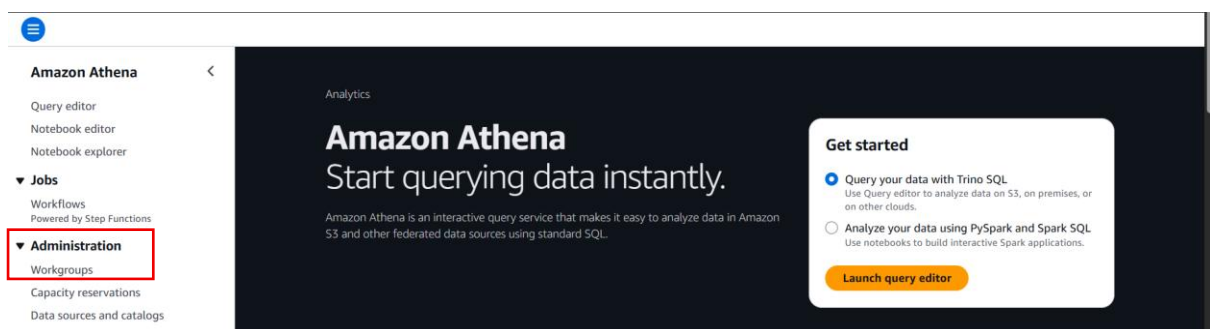
Summary of the Lab.

To begin, navigate to the **Athena service** in the AWS Console. Under **Administration** → **Workgroups**, click **Create workgroup**. You'll see the existing **Primary Workgroup** by default. Create a new one by choosing the **Athena SQL** engine (default for interactive queries) or optionally **Apache Spark** for serverless Spark jobs. In the **Query Configuration**, select either **Athena-managed results** or specify a **custom S3 bucket** for query outputs. Click **Create workgroup**. After creation, review **data usage controls**, **metrics**, and **tags** to track and manage cost per team or workload. Finally, open the **Query Editor**, select your new **workgroup**, and run queries within it.

- **Navigate to Athena Service** in the AWS Console.



- In the left panel, expand **Administration** → **Workgroups**.
- Click **Create workgroup**.



- Choose the **query engine**:
 - **Athena SQL** (default, for interactive SQL queries)

Workgroup details

Enter a unique name for your workgroup. To change the workgroup name, delete the workgroup and recreate it with a new name.

Workgroup name


Workgroup name must be from 1-128 characters and must be unique per region of your account. Valid characters are a-z, A-Z, 0-9, _(underscore), .(period) and -(hyphen). This value cannot be changed after creation.


Description - optional

Workgroup description must be from 1-1024 characters. 1024 characters remaining.

Analytics engine - *new* [Info](#)

Choose the type of engine

☒ **Athena SQL**
Athena SQL engine for interactive queries.


☐ **Apache Spark**
Highly-scalable serverless Spark engine.


- In Query Configuration
- You can choose Athena managed results or Custom managed results.

Query result configuration [Info](#)

Management of query results

☐ **Athena managed - new**
Athena manages the storage for your queries and retains query results for 24 hours.

☒ **Customer managed**
You manage the storage for your query results and keep the results as long as you require.

Location of query result - optional
Enter an S3 prefix in the current region where the query result will be saved as an object.

Expected bucket owner - optional
Specify the AWS account ID that you expect to be the owner of your query results output location bucket.

☐ **Assign bucket owner full control over query results**
Enabling this option grants the owner of the S3 query results bucket full control over the query results. This means that if your query result location is owned by another account, you grant full control over your query results to the other account.


☐ **Encrypt query results**

☐ **Override client-side settings [Info](#)**
If checked, workgroup settings apply to all queries in the workgroup.

- Now click Create workgroup.
- After the workgroup creation.
- You can check the Data usage control, metrics and tags

report_generation

Overview details

Workgroup name report_generation	Query engine version status Automatic	Location of query result -
Description -	Override client side settings Turned off	Encrypt query results -
Created on 2025-10-17T21:01:34.290+05:30	Queries with requester pays buckets Turned off	Expected bucket owner -
Query engine version Athena engine version 3	Workgroup ARN  arn:aws:athena:us-east-1:463646775279:workgroup/report_generation	Assign bucket owner full control over query results Turned off
Workgroup state Turned on	Publish metrics to Amazon CloudWatch Turned on	
Authentication AWS Identity and Access Management (IAM)		

- Now click on the Query Editor and you can use the created workgroup for your queries.

