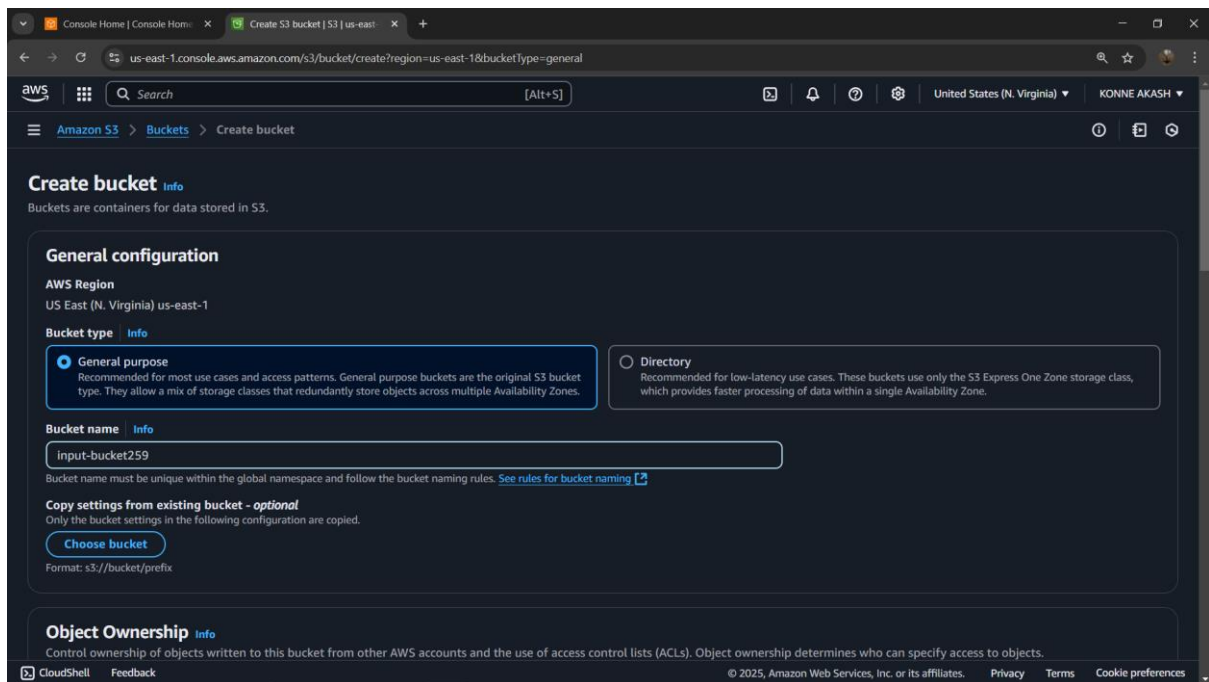


Create 2 S3 Buckets



Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
US East (N. Virginia) us-east-1

Bucket type [Info](#)

☒ **General purpose**
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory**
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

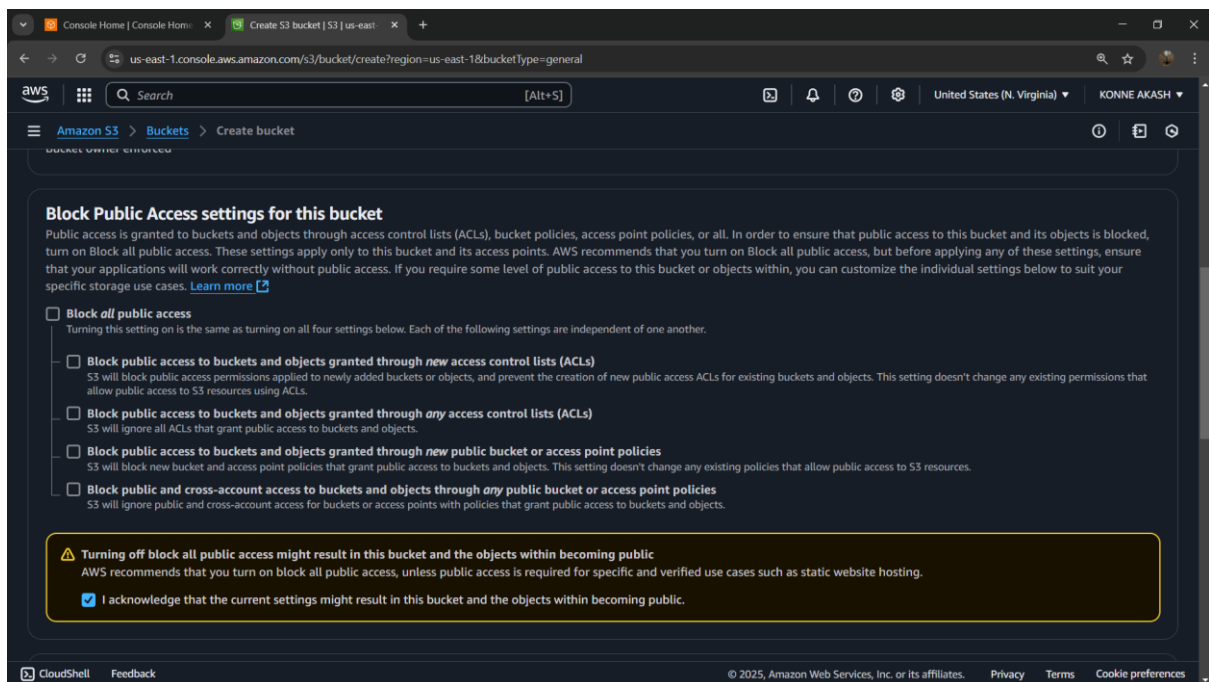
Bucket name [Info](#)
input-bucket259
Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
[Choose bucket](#)
Format: s3://bucket/prefix

Object Ownership [Info](#)
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

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Give Public Access



Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☒ **Block all public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- ☐ **Block public access to buckets and objects granted through new access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☐ **Block public access to buckets and objects granted through any access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
- ☐ **Block public access to buckets and objects granted through new public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☐ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

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Create Bucket

The screenshot shows the 'Create bucket' page in the AWS console. The breadcrumb navigation is 'Amazon S3 > Buckets > Create bucket'. The page title is 'Create bucket'. The 'Default encryption' section is expanded, showing 'Server-side encryption with Amazon S3 managed keys (SSE-S3)' as the selected option. The 'Bucket Key' section is also expanded, showing 'Enable' as the selected option. The 'Advanced settings' section is collapsed. At the bottom right, there are 'Cancel' and 'Create bucket' buttons.

Default encryption [Info](#)
Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

- ☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)
- ☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)
- ☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#).

Bucket Key
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

[Cancel](#) [Create bucket](#)

Upload CSV File into the Input bucket

The screenshot shows the 'input-bucket259' page in the AWS console. The breadcrumb navigation is 'Amazon S3 > Buckets > input-bucket259'. The page title is 'input-bucket259'. The 'Objects' section is expanded, showing 'No objects' and 'You don't have any objects in this bucket.' At the bottom right, there is an 'Upload' button.

input-bucket259 [Info](#)

[Objects](#) [Metadata](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

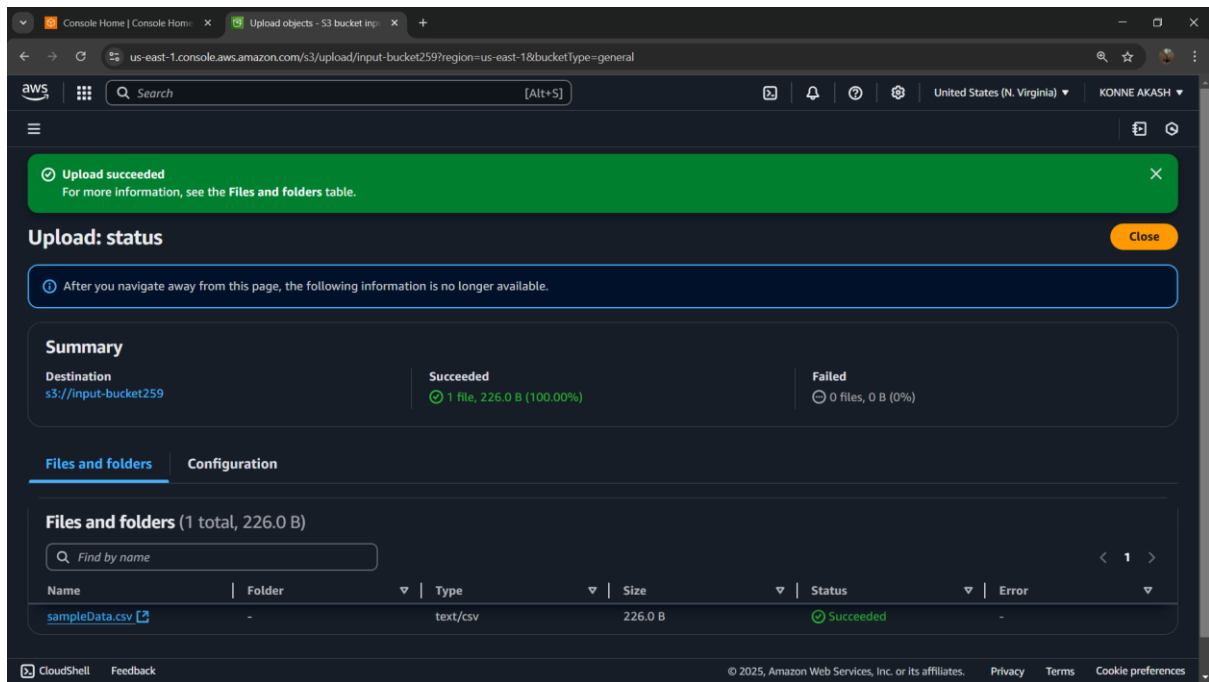
Objects (0) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

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](#)

☐ Show versions

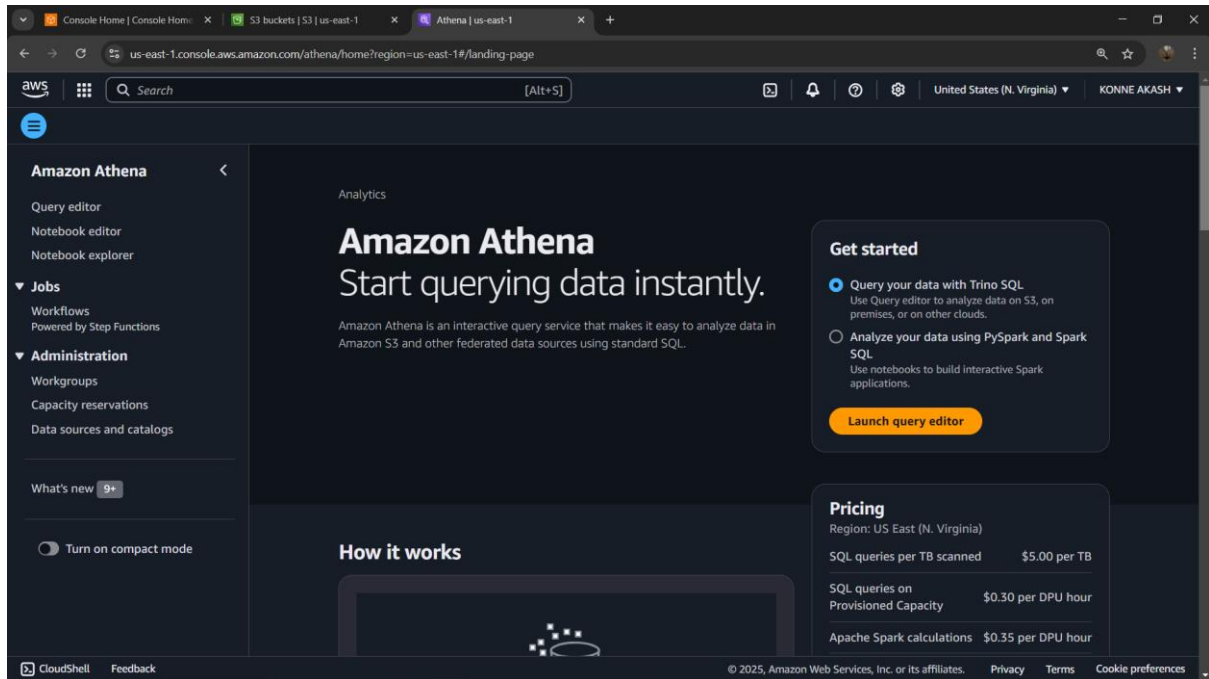
Name	Type	Last modified	Size	Storage class
No objects				
You don't have any objects in this bucket.				

[Upload](#)



Create Output bucket Also

Open Amazon Athena



Create Workgroup

The screenshot shows the Amazon Athena Workgroups page in the AWS console. The left sidebar contains navigation links for Amazon Athena, Query editor, Notebook editor, Notebook explorer, Jobs, Workflows, Administration, and What's new. The main content area displays the 'Workgroups (1)' page with a table listing the 'primary' workgroup. The workgroup is in a 'Turned On' state. A 'Create workgroup' button is visible in the top right corner.

Name	Description	Analytics engine	Engine update	Authentication	Created on	State
primary	-	Athena engine...	Automatic	IAM	2024-12-13T1...	Turned On

The screenshot shows the 'Create workgroup' page in the Amazon Athena console. The page is divided into two main sections: 'Workgroup details' and 'Analytics engine - new'. In the 'Workgroup details' section, the 'Workgroup name' is set to 'test-1' and the 'Description' is optional. In the 'Analytics engine - new' section, the 'Athena SQL' engine is selected, and the 'Apache Spark' engine is also visible. The page includes a 'Create workgroup' button in the top right corner.

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

test-1

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

Choose the type of engine

☒ Athena SQL
Athena SQL engine for interactive queries.

☐ Apache Spark
Highly-scalable serverless Spark engine.

Select Output Bucket Path

Console Home | Console Home | x | S3 buckets | S3 | us-east-1 | x | Create workgroup > Workgroup | x | +

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/workgroups/create

aws Search [Alt+S]

Amazon Athena > Workgroups > Create workgroup

☒ AWS Identity and Access Management (IAM)
Authenticate using IAM to centrally manage permissions that control which AWS resources users can access.

☐ AWS IAM Identity Center
Authenticate with single sign-on using IAM Identity Center (recommended to centrally manage access permissions for multiple AWS accounts). You can add users once the workgroup is created.

You cannot change the authentication after the workgroup is created.

▼ Query result configuration - optional

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

You can create and manage lifecycle rules for this bucket
Use Amazon S3 lifecycle rules to store your query results and metadata cost effectively or to delete them after a period of time. [Learn more](#)

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.

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Console Home | Console Home | x | S3 buckets | S3 | us-east-1 | x | Create workgroup > Workgroup | x | +

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/workgroups/create

aws Search [Alt+S]

Amazon Athena > Workgroups > Create workgroup

► Settings - optional

▼ Per query data usage control - optional [Info](#)
Sets the limit for the maximum amount of data a query is allowed to scan. You can set only one per query limit for a workgroup. The limit applies to all queries in the workgroup and if query exceeds the limit, it will be cancelled.

Data usage limit is currently set.
Any query result that exceeds the data limit will be cancelled.

Data limit

Minimum limit is 10 MB and maximum limit is 7 EB per workgroup. Numeric characters only.

☐ No data limit
This will set no limit on the amount of data scanned by queries in this workgroup.

► Workgroup data usage alerts - optional [Info](#)
Set multiple alert thresholds when queries running in this workgroup scan a specified amount of data within a specific period. Alerts are implemented using [Amazon CloudWatch alarms](#) and applies to all queries in the workgroup.

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Create Workgroup

The screenshot shows the 'Create workgroup' page in the AWS Athena console. The page is titled 'Create workgroup' and is located under the 'Amazon Athena' > 'Workgroups' navigation path. It features several optional configuration sections:

- Query result configuration - optional**
- Settings - optional**
- Per query data usage control - optional** (with an 'Info' link). Description: 'Sets the limit for the maximum amount of data a query is allowed to scan. You can set only one per query limit for a workgroup. The limit applies to all queries in the workgroup and if query exceeds the limit, it will be cancelled.'
- Workgroup data usage alerts - optional** (with an 'Info' link). Description: 'Set multiple alert thresholds when queries running in this workgroup scan a specified amount of data within a specific period. Alerts are implemented using Amazon CloudWatch alarms and applies to all queries in the workgroup.'
- Tags - optional** (with an 'Info' link). Description: 'You can edit tag keys and values, and you can remove tags from a workgroup at any time. Tag keys and values are case-sensitive. For each tag, a tag key is required, but tag value is optional. Do not use duplicate tag keys.'

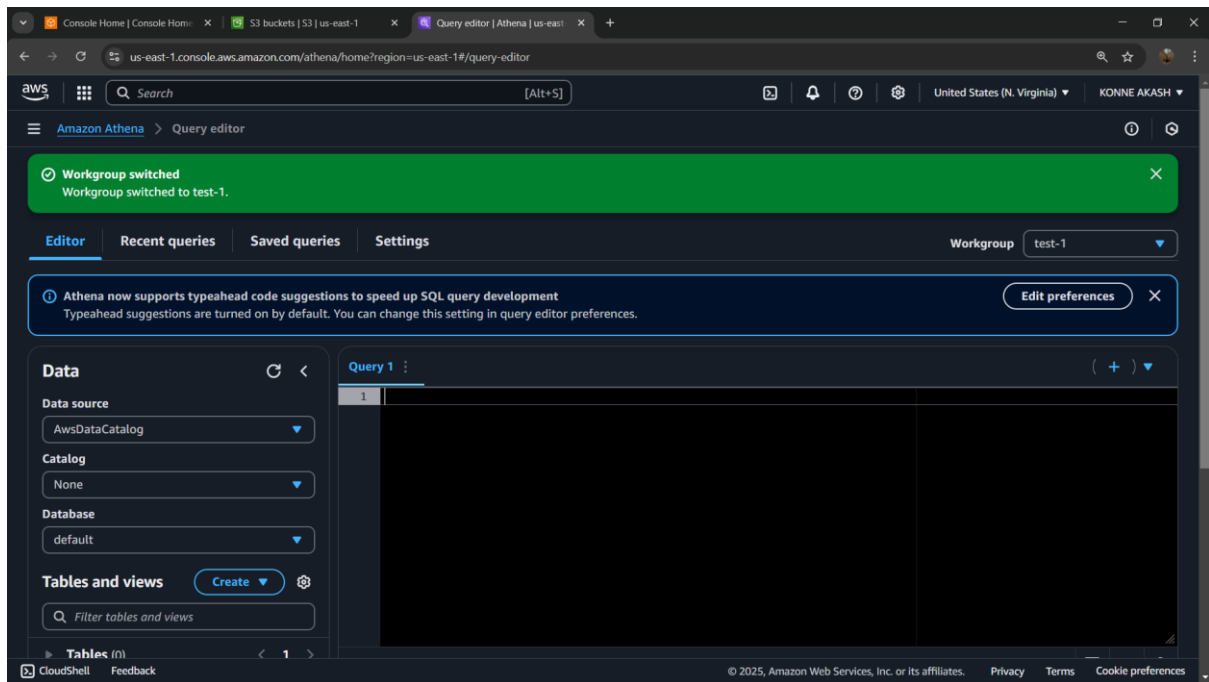
At the bottom right, there are two buttons: 'Cancel' and 'Create workgroup'.

Select Workgroup to Test

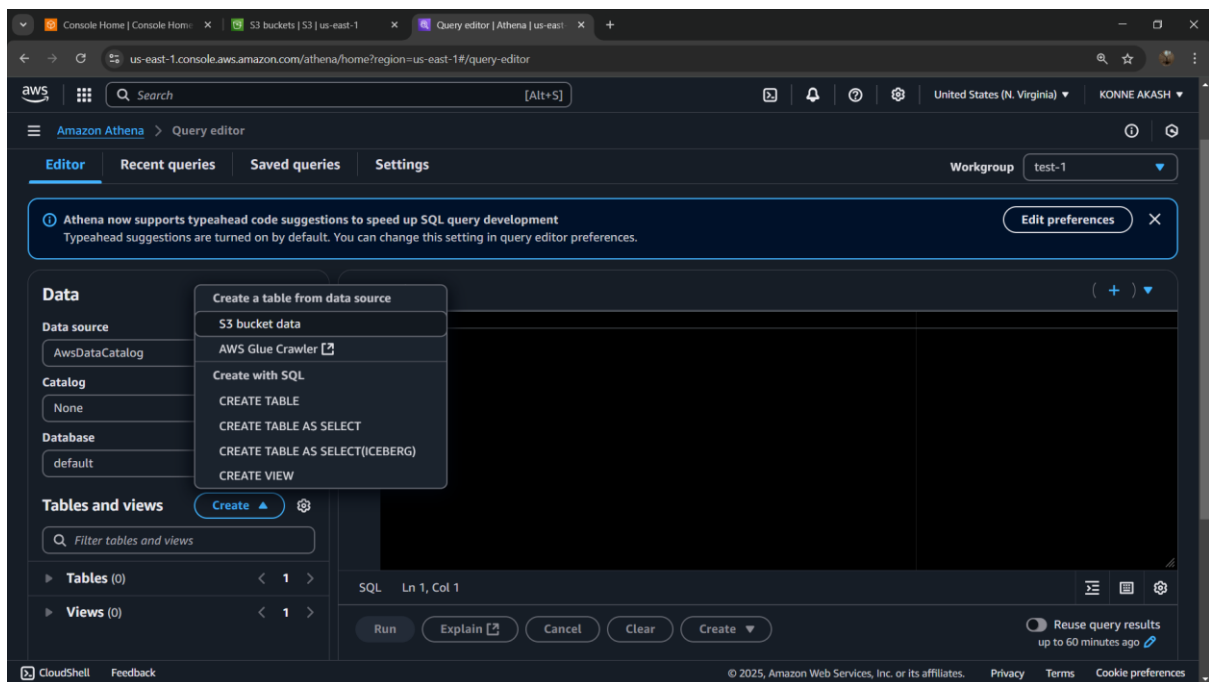
The screenshot shows the 'Query editor' page in the AWS Athena console. The page is titled 'Query editor' and is located under the 'Amazon Athena' > 'Query editor' navigation path. It features a sidebar on the left with the following sections:

- Data**: Includes 'Data source' (set to 'AwsDataCatalog'), 'Catalog' (set to 'None'), and 'Database' (set to 'default'). There is a 'Create' button and a search bar for 'Filter tables and views'.
- Tables and views**: Shows 'Tables (0)' and a '1' button.

The main area displays 'Query 1' with a single line of SQL code: 'Ln 1, Col 1'. On the right side, there is a 'Workgroup' dropdown menu currently set to 'primary'. Below it, a search bar shows 'primary' with a checkmark, and 'test-1' is listed below it with an 'Edit preference' link and a close button.



Create Table from S3 bucket data



Console Home | Console Home | S3 buckets | S3 | us-east-1 | Create table from S3 bucket data

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/create-table

Search [Alt+S]

United States (N. Virginia) KONNE AKASH

Amazon Athena > Query editor > Create table from S3 bucket data

Create table from S3 bucket data

Table details

Table name
test_table1
Table name must be from 1-128 characters and must be unique. Valid characters are a-z, A-Z, 0-9, _(underscore). Table names tend to correspond to the directory where the data will be stored.

Description - optional
Type something
Table description must be from 1-1024 characters. 1024 characters remaining.

Database configuration

Choose an existing database or create a new database
Choose to access an existing database or to create a new database in order to create a new table. Athena stores the table schema in the AWS Glue Data Catalog.
☒ Create a database
☐ Choose an existing database

Database name
Name your new database
test_db7

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Choose input Bucket Path

Console Home | Console Home | S3 buckets | S3 | us-east-1 | Create table from S3 bucket data

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/create-table

Search [Alt+S]

United States (N. Virginia) KONNE AKASH

Amazon Athena > Query editor > Create table from S3 bucket data

Dataset

Location of input data set
s3://input-bucket259/
Input the path to the data set you want to process on Amazon S3. For example if your data is stored at s3://input-data-set/logs/1.csv, please enter s3://input-data-set/logs/. If your data is already partitioned, e.g. s3://input-data-set/logs/year=2004/month=12/day=11/ just input the base path s3://input-data-set/logs/

Data format

Table type
Apache Hive

File format
CSV

SerDe library
org.apache.hadoop.hive.serde2.lazy.LazySimpleSerDe

SerDe properties - optional

Name	Value	
field.delim	,	Remove

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Give the Column Details

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/create-table

Search

[Alt+S]

United States (N. Virginia) KONNE AKASH

Amazon Athena

Query editor

Create table from S3 bucket data

Column details

Column name must be from 1-128 characters. Valid characters are a-z, A-Z, 0-9, _(underscore). Certain advanced column types (namely, structs) are not exposed in this interface.

Column name

A

Column type

string

Description - optional

NAME

Remove

Column name

B

Column type

string

Description - optional

BRANCH

Remove

Column name

C

Column type

string

Description - optional

STATE

Remove

Column name

D

Column type

string

Description - optional

COLLEGE

Remove

Column name

E

Column type

int

Description - optional

AGE

Remove

Add a column

Bulk add columns

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Create Table

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/create-table

Search

[Alt+S]

United States (N. Virginia) KONNE AKASH

Amazon Athena

Query editor

Create table from S3 bucket data

Partitions are a way to group specific information together. Column name must be from 1-128 characters. Valid characters are a-z, A-Z, 0-9, _(underscore). Certain advanced column types (namely, structs) are not exposed in this interface.

► Bucketing - optional

Preview table query

The preview table query will be populated in the query editor. Creating tables allows you to be ready for real-time querying in the query editor.

```
1 CREATE EXTERNAL TABLE IF NOT EXISTS 'test_db1`.`test_table1` (  
2   'A' string COMMENT 'NAME',  
3   'B' string COMMENT 'BRANCH',  
4   'C' string COMMENT 'STATE',  
5   'D' string COMMENT 'COLLEGE',  
6   'E' int COMMENT 'AGE'  
7 )  
8 ROW FORMAT SERDE 'org.apache.hadoop.hive.serde2.lazy.LazySimpleSerDe'  
9 WITH SERDEPROPERTIES ('field.delim' = ',')  
10 STORED AS INPUTFORMAT 'org.apache.hadoop.mapred.TextInputFormat' OUTPUTFORMAT 'org.apache.hadoop.hive.ql.io.HiveIgnoreKeyTextOutputFormat'  
11 LOCATION 's3://input-bucket259/'  
12 TBLPROPERTIES ('classification' = 'csv');
```

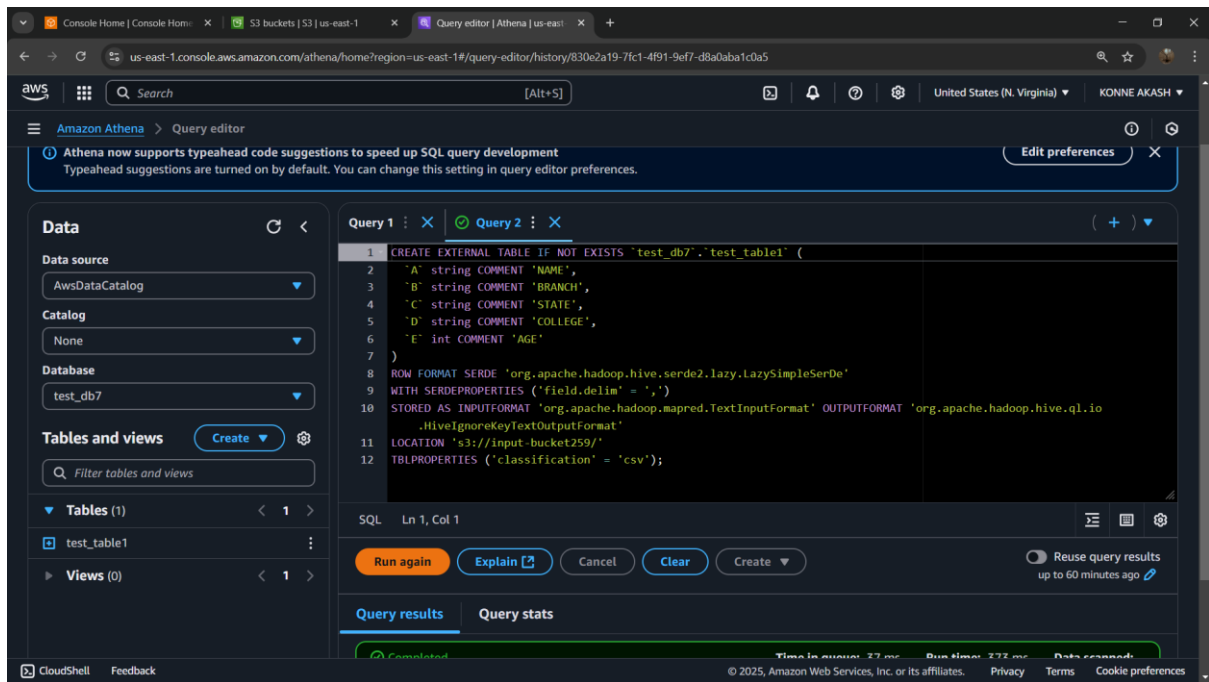
Cancel

Create table

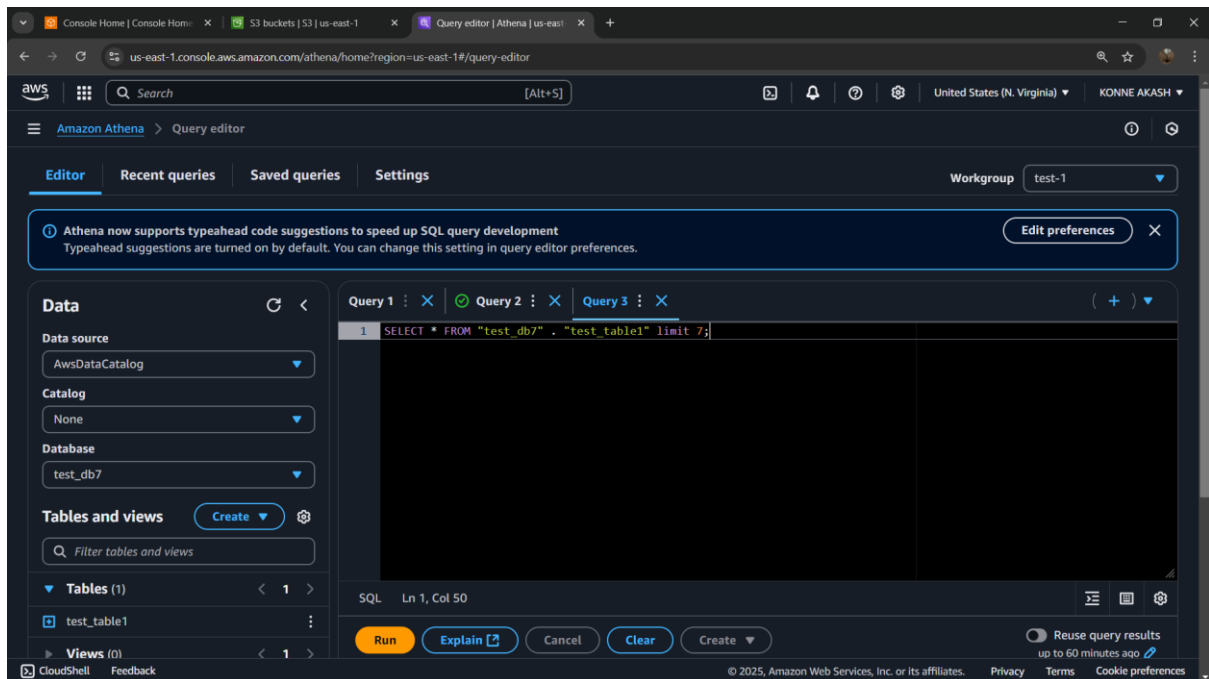
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Give the command and run it



us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/history/5034c588-4f98-44db-aad3-4e4d7b202c7f

Amazon Athena > Query editor

test_table1

Views (0)

Run again Explain Cancel Clear Create

Reuse query results up to 60 minutes ago

Query results Query stats

Completed Time in queue: 173 ms Run time: 569 ms Data scanned: 0.22 KB

Results (7) Copy Download results CSV

Search rows

#	a	b	c	d	e
1	aakash	mech	AP	SWCE	23
2	reshma	eee	AP	LBRC	22
3	pinky	cse	KA	NIET	20
4	karthi	civil	TN	KIT	24
5	harsha	csm	AP	NRI	22
6	asritha	ece	TS	MLR	23
7	sidd	mech	KL	SWCE	24

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Open Output Bucket and Download CSV File

us-east-1.console.aws.amazon.com/s3/buckets/output-bucket259?region=us-east-1&bucketType=general&tab=objects

Amazon S3 > Buckets > output-bucket259

output-bucket259 Info

Objects Metadata Properties Permissions Metrics Management Access Points

Objects (1/5) Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix Show versions

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	0b52353b-e188-494e-9d55-fb5d56844b15.txt	txt	February 7, 2025, 22:01:59 (UTC+05:30)	0 B	Standard
<input checked="" type="checkbox"/>	5034c588-4f98-44db-aad3-4e4d7b202c7f.csv	csv	February 7, 2025, 22:04:58 (UTC+05:30)	243.0 B	Standard
<input type="checkbox"/>	5034c588-4f98-44db-aad3-4e4d7b202c7f.csv.metadata	metadata	February 7, 2025, 22:04:58 (UTC+05:30)	200.0 B	Standard
<input type="checkbox"/>	7a5c44b5-b7c8-4c12-9b16-18516b669ee9.txt	txt	February 7, 2025, 21:58:56 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	830e2a19-7fc1-4f91-9ef7-d8a0aba1c0a5.txt	txt	February 7, 2025, 21:58:57 (UTC+05:30)	0 B	Standard

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Result

5034c588-4f98-44db-aad3-4e4d7b202c71 - Excel Preview

FileHomeInsertPage LayoutFormulasDataReviewViewHelpAcrobat

ClipboardFontAlignmentNumberStylesCellsEditingAdd-insAdobe Acrobat

Font

Number

Styles

Cells

Editing

Add-ins

Adobe Acrobat

POSSIBLE DATA LOSS

Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

Don't show again

Save As...

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	a	b	c	d	e																		
2	aakash	mech	AP	SWCE	23																		
3	reshma	eee	AP	LBRC	22																		
4	pinkey	cse	KA	NIET	20																		
5	karthi	civil	TN	KIT	24																		
6	harsha	csml	AP	NRI	22																		
7	asritha	eee	TS	MLR	23																		
8	sidd	mech	KL	SWCE	24																		
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Ready

Accessibility: Unavailable

100%