CSC Project

Name: Vineel Kumar

ID:2000031044

Title: Prevention of data leakage in various cloud computing platforms and detection of sensitive data(Data Analysis)

YOUTUBE LINK: https://youtu.be/UBQ1We_j9DE

Introduction:

The company's Information security depends on employees by learning the rules through training and awareness-building sessions. And the data leakage is mainly happening via insider employees or other hacker which they try to steal or use it to their own or selling it This uncontrolled data leakage puts business in a vulnerable position. Once this data is no longer within the domain, then the company is at serious risk The main concept is water marking. Digital watermarking is the process of embedding information into a digital signal, such as an image, video, or audio file, in a way that is imperceptible to the human senses but can be detected and extracted by special software or hardware. Watermarking can serve various purposes, such as identifying the owner or distributor of the content, tracking its usage and distribution, protecting against copyright infringement, and detecting tampering or unauthorized modifications

Services we will be using

Amazon S3: Amazon S3 is an object storage service that provides manufacturing scalability, data availability, security, and performance.

AWS IAM: This is nothing but identity and access management which enables us to manage access to AWS services and resources securely.

QuickSight: Amazon QuickSight is a scalable, serverless, embeddable, machine learning-powered business intelligence (BI) service built for the cloud.

AWS Glue: A serverless data integration service that makes it easy to discover, prepare, and combine data for analytics, machine learning, and application development.

AWS Lambda: Lambda is a computing service that allows programmers to run code without creating or managing servers.

Reference link

https://github.com/darshilparmar/dataengineering-youtube-analysis-project

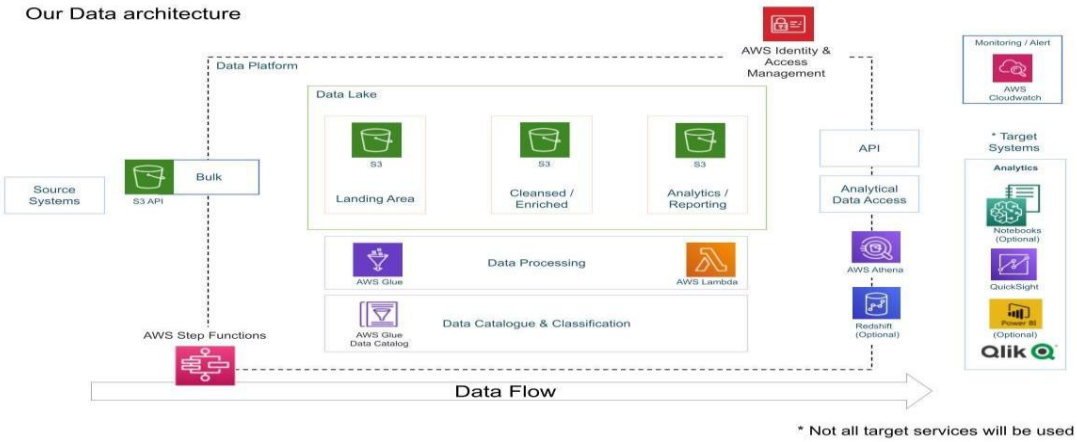
Dataset Used

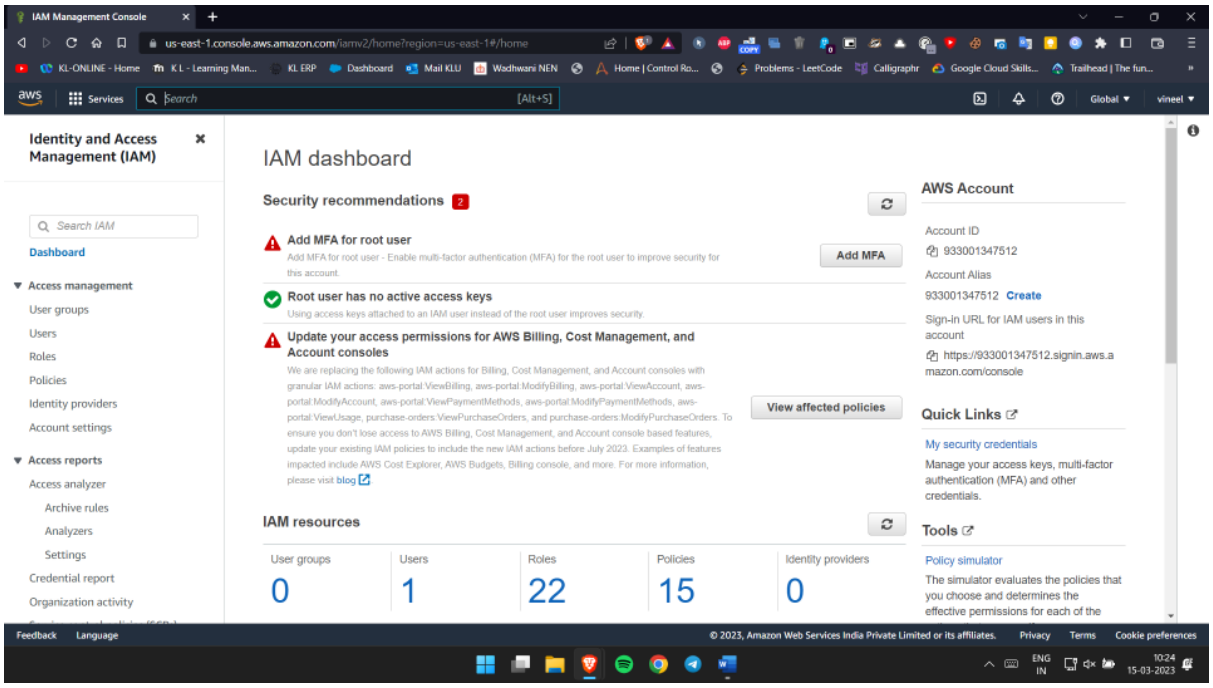
This Kaggle dataset contains statistics (CSV files) on daily popular YouTube videos over the course of many months. There are up to 200 trending videos published every day for many locations. The data for each region is in its own file. The video title, channel title, publication time, tags, views, likes and

dislikes, description, and comment count are among the items included in the data. A category_id field, which differs by area, is also included in the JSON file linked to the region.

https://www.kaggle.com/datasets/datasnaek/youtube-new

LinkedIn : https://www.linkedin.com/posts/vineel-kumar-vukoti_youtube-data-analysis-activity-7052557651016126464-ZwoO?utm_source=li_share&utm_content=feedcontent&utm_medium=g_dt_web&utm_campaign=copy





IAM Management Console

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create

IAM > Users > Create user

Step 1
Specify user details

Step 2
Set permissions

Step 3
Review and create

Step 4
Retrieve password

Specify user details

User details

User name

dministrator

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☑ Provide user access to the AWS Management Console - *optional*

If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.

Are you providing console access to a person?

- (●) Specify a user in Identity Center - Recommended
  We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.
- ( ) I want to create an IAM user
  We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more

IAM Management Console

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create

Are you providing console access to a person?

- ( ) Specify a user in Identity Center - Recommended
  We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.
- (●) I want to create an IAM user
  We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password

- ( ) Autogenerated password
  You can view the password after you create the user.
- (●) Custom password
  Enter a custom password for the user.

AWSIAMROLE@123

- Must be at least 8 characters long
- Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols ! @ # $ % ^ & * ( ) _ + - (hyphen) = [ ] { } | '

☑ Show password

☑ Users must create a new password at next sign-in (recommended).

Users automatically get the IAMUserChangePassword policy to allow them to change their own password.

If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more

Cancel Next

IAM Management Console

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create

aws | Services | Search [Alt+S] | Global | vineel

User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

View user

IAM > Users > Create user

Step 1
Specify user details

Step 2
Set permissions

Step 3
Review and create

Step 4
Retrieve password

Retrieve password

You can view and download the user's password below or email users instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.

Console sign-in details

Email sign-in instructions

Console sign-in URL
https://933001347512.signin.aws.amazon.com/console

User name
administrator

Console password
********** Show

Download .csv file | Return to users list

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kaggle.com/datasets/datasnaek/youtube-new/discussion/355835

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RECENTLY VIEWED
Trending YouTube V...
Youtube Trending Vi...

MITCHELL J · UPDATED 4 YEARS AGO

4930 | New Notebook | Download (211 MB)

Trending YouTube Video Statistics

Daily statistics for trending YouTube videos

Data Card | Code (2203) | Discussion (41)

FERDINANDO SOMMA · POSTED 6 MONTHS AGO

3

Trending YouTube Video Statistics

Hi, guys I tried to run the code at https://github.com/mitchelljy/Trending-YouTube-Scraper, in order to get a dataset for Italy. But

it doesn't work. Can someone help me ?

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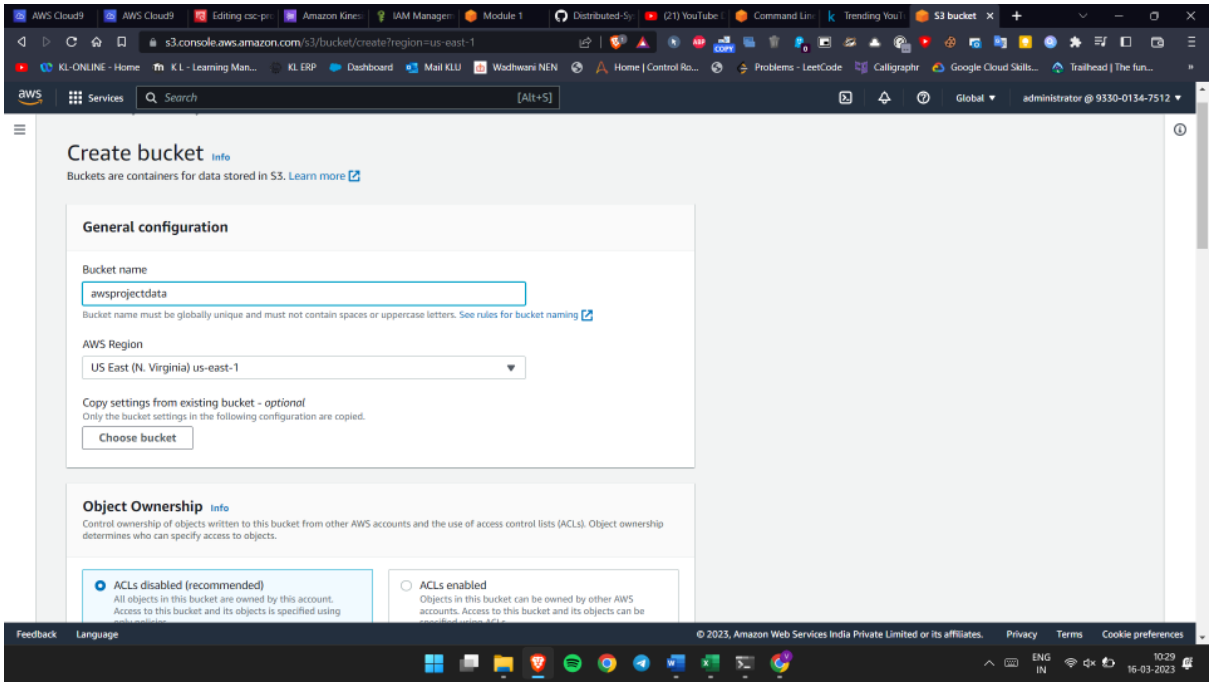
s3.console.aws.amazon.com/s3/bucket/create?region=us-east-1
Services
Search
[Alt+S]
Global
administrator @ 9330-0134-7512
Create bucket Info
Buckets are containers for data stored in S3. Learn more
General configuration
Bucket name
awsprojectdata
Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming
AWS Region
US East (N. Virginia) us-east-1
Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
Choose bucket
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.
ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using
ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be
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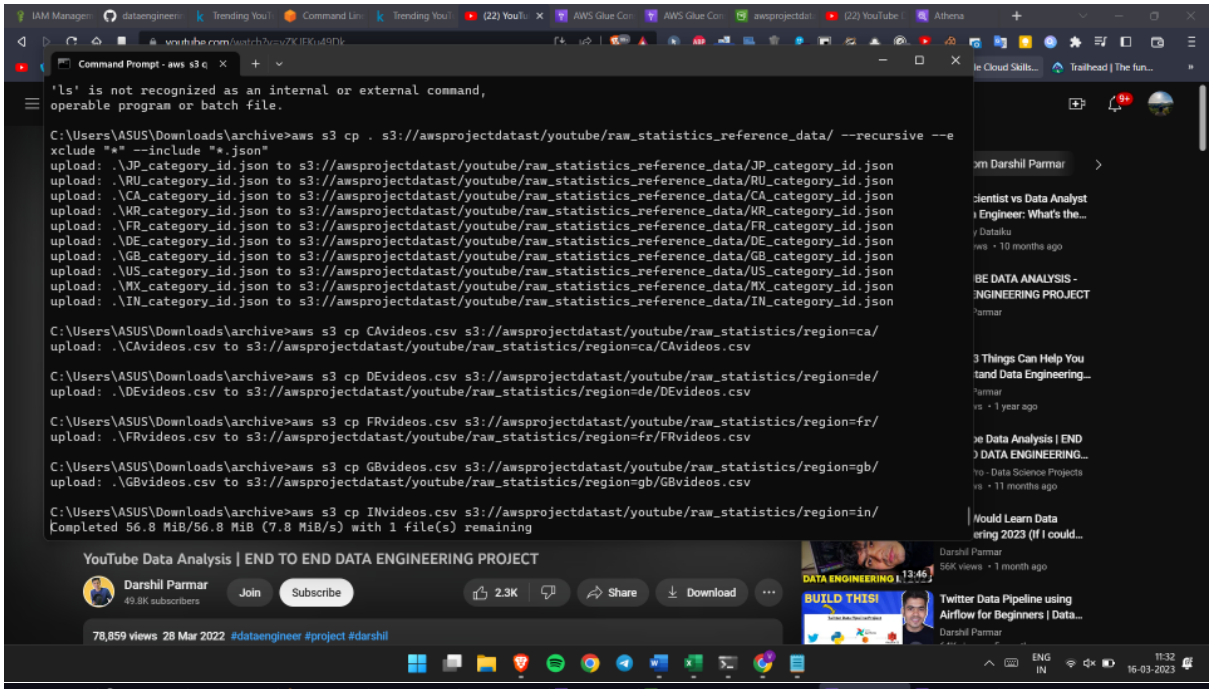
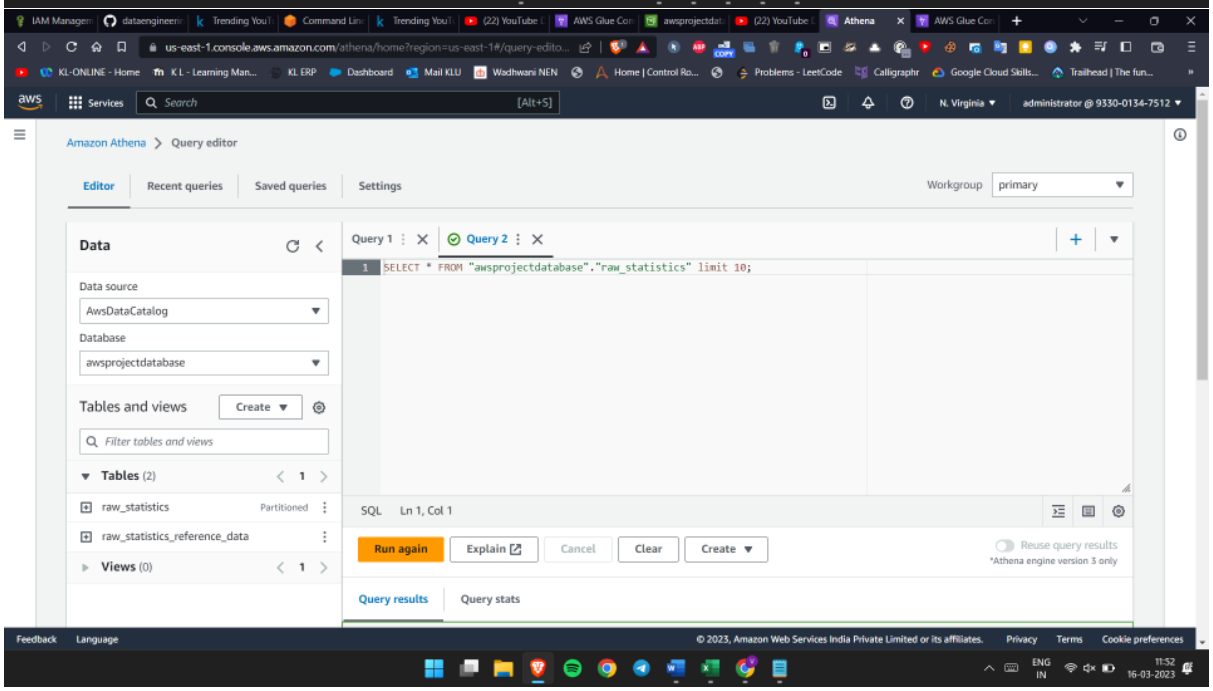

Command Prompt - aws s3 c
'ls' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\ASUS\Downloads\archive>aws s3 cp . s3://awsprojectdatast/youtube/raw_statistics_reference_data/ --recursive --exclude "*" --include "*.json"
upload: .\JP_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/JP_category_id.json
upload: .\RU_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/RU_category_id.json
upload: .\CA_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/CA_category_id.json
upload: .\KR_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/KR_category_id.json
upload: .\FR_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/FR_category_id.json
upload: .\DE_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/DE_category_id.json
upload: .\GB_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/GB_category_id.json
upload: .\US_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/US_category_id.json
upload: .\MX_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/MX_category_id.json
upload: .\IN_category_id.json to s3://awsprojectdatast/youtube/raw_statistics_reference_data/IN_category_id.json
C:\Users\ASUS\Downloads\archive>aws s3 cp CAvideos.csv s3://awsprojectdatast/youtube/raw_statistics/region=ca/
upload: .\CAvideos.csv to s3://awsprojectdatast/youtube/raw_statistics/region=ca/CAvideos.csv
C:\Users\ASUS\Downloads\archive>aws s3 cp DEvideos.csv s3://awsprojectdatast/youtube/raw_statistics/region=de/
upload: .\DEvideos.csv to s3://awsprojectdatast/youtube/raw_statistics/region=de/DEvideos.csv
C:\Users\ASUS\Downloads\archive>aws s3 cp FRvideos.csv s3://awsprojectdatast/youtube/raw_statistics/region=fr/
upload: .\FRvideos.csv to s3://awsprojectdatast/youtube/raw_statistics/region=fr/FRvideos.csv
C:\Users\ASUS\Downloads\archive>aws s3 cp GBvideos.csv s3://awsprojectdatast/youtube/raw_statistics/region=gb/
upload: .\GBvideos.csv to s3://awsprojectdatast/youtube/raw_statistics/region=gb/GBvideos.csv
C:\Users\ASUS\Downloads\archive>aws s3 cp INvideos.csv s3://awsprojectdatast/youtube/raw_statistics/region=in/
Completed 56.8 MiB/56.8 MiB (7.8 MiB/s) with 1 file(s) remaining
YouTube Data Analysis | END TO END DATA ENGINEERING PROJECT
Darshil Parmar
49.8K subscribers
Join
Subscribe
2.3K
Share
Download
78,859 views 28 Mar 2022 #dataengineer #project #darshil


Amazon Athena > Query editor
Editor
Recent queries
Saved queries
Settings
Workgroup
primary
Data
Data source
AwsDataCatalog
Database
awsprojectdatabase
Tables and views
Create
Filter tables and views
Tables (2)
raw_statistics
Partitioned
raw_statistics_reference_data
Views (0)
Query 1
Query 2
SELECT * FROM "awsprojectdatabase"."raw_statistics" limit 10;
SQL
Ln 1, Col 1
Run again
Explain
Cancel
Clear
Create
Reuse query results
*Athena engine version 3 only
Query results
Query stats
Feedback
Language
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Completed | Time in queue: 107 ms | Run time: 1.255 sec | Data scanned: 2.79 MB

Results (10)

#	video_id	trending_date	title
1	n1WpP7iowLc	17.14.11	"Eminem - Walk On Water (Audio) ft. Beyoncé"
2	0dBIkQ4Mz1M	17.14.11	"PLUSH - Bad Unboxing Fan Mail"
3	5qpjK5DgCt4	17.14.11	"Racist Superman | Rudy Mancuso
4	d380meD0W0M	17.14.11	"I Dare You: GOING BALD!?"
5	2Vv-BfVoq4g	17.14.11	"Ed Sheeran - Perfect (Official Music Video)"
6	0yIWz1XEeyc	17.14.11	"Jake Paul Says Alissa Violet CHEATED with LOGAN PAUL! #DramaAlert Team 10 vs Martinez Twins!
7	_uM5kFfkhB8	17.14.11	"Vanoss Superhero School - New Students"
8	2kyS6SvSYSE	17.14.11	"WE WANT TO TALK ABOUT OUR MARRIAGE"
9	JzCsM1vtn78	17.14.11	"THE LOGANG MADE HISTORY. LOL. AGAIN."
10	43sm-QwLcx4	17.14.11	"Finally Sheldon is winning an argument about the existence of God"

AWS Glue Studio > Jobs

Jobs Info

Create job Info — Create

- Visual with a source and target — Start with a source, ApplyMapping transform, and target.
- Visual with a blank canvas — Author using an interactive visual interface.
- Spark script editor — Write or upload your own Spark code.
- Python Shell script editor — Write or upload your own Python shell script.
- Jupyter Notebook — Write your own code in a Jupyter Notebook for interactive development.
- Ray script editor New — Write your own code to run on Ray.

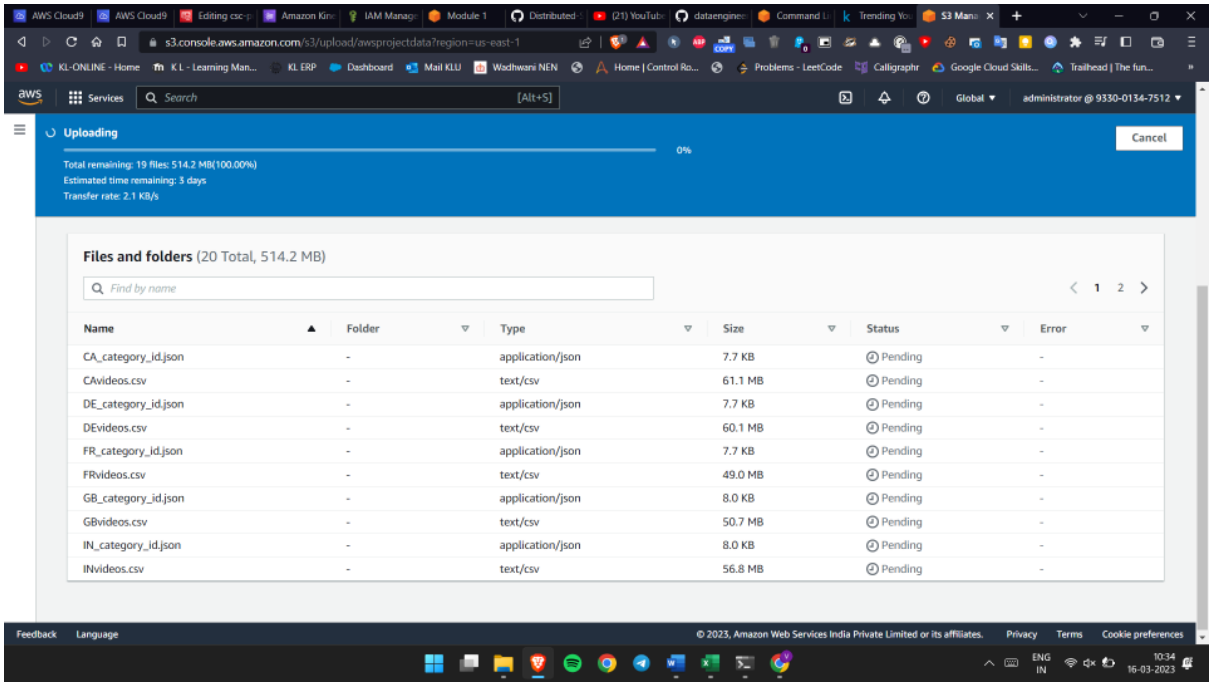
Source: Amazon S3 — JSON, CSV, or Parquet files stored in S3.

Target: Amazon S3 — S3 bucket by specifying a bucket path as the data target.

Your jobs (0) Info — Actions — Run job

Filter jobs

Job name	Type	Last modified	AWS Glue version


s3.console.aws.amazon.com/s3/upload/awsprojectdata?region=us-east-1
Services
Search
[Alt+S]
Global
administrator @ 9330-0134-7512
Uploading
0%
Cancel
Total remaining: 19 files: 514.2 MB(100.00%)
Estimated time remaining: 3 days
Transfer rate: 2.1 KB/s
Files and folders (20 Total, 514.2 MB)
Find by name
1 2
Name
Folder
Type
Size
Status
Error
CA_category_id.json - application/json 7.7 KB Pending -
CAvideos.csv - text/csv 61.1 MB Pending -
DE_category_id.json - application/json 7.7 KB Pending -
DEvideos.csv - text/csv 60.1 MB Pending -
FR_category_id.json - application/json 7.7 KB Pending -
FRvideos.csv - text/csv 49.0 MB Pending -
GB_category_id.json - application/json 8.0 KB Pending -
GBvideos.csv - text/csv 50.7 MB Pending -
IN_category_id.json - application/json 8.0 KB Pending -
INvideos.csv - text/csv 56.8 MB Pending -
Feedback
Language
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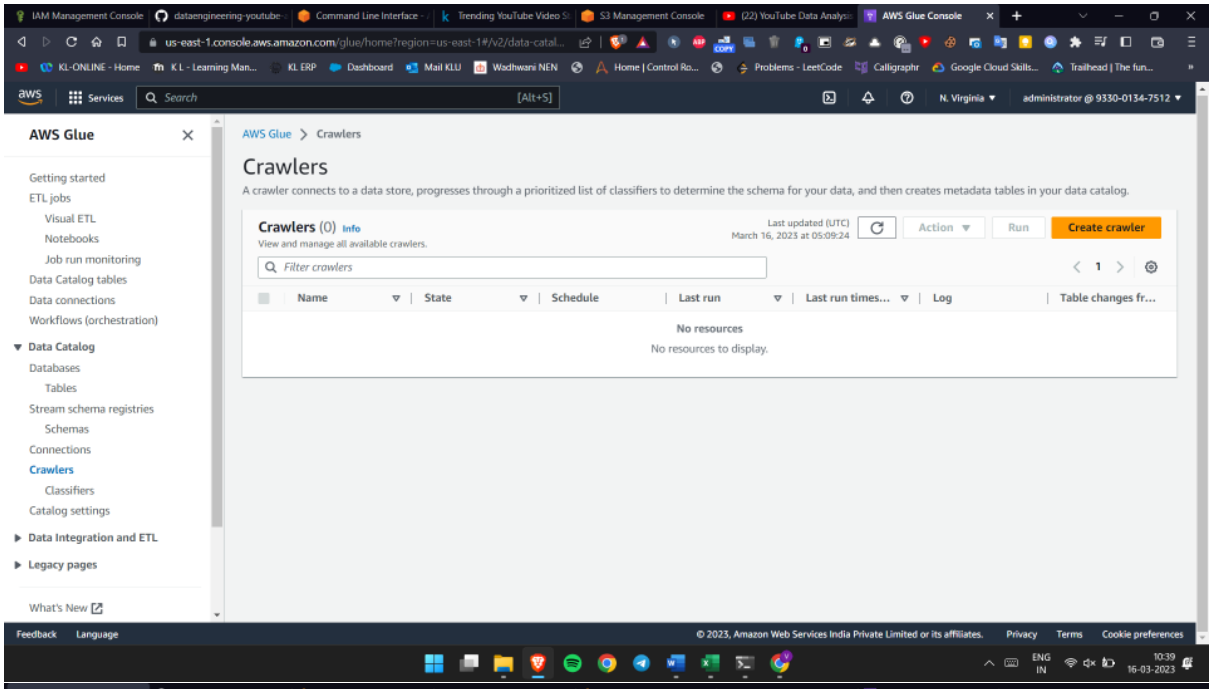
AWS Glue
Getting started
ETL jobs
Visual ETL
Notebooks
Job run monitoring
Data Catalog tables
Data connections
Workflows (orchestration)
Data Catalog
Databases
Tables
Stream schema registries
Schemas
Connections
Crawlers
Classifiers
Catalog settings
Data Integration and ETL
Legacy pages
What's New
AWS Glue > Crawlers
Crawlers
A crawler connects to a data store, progresses through a prioritized list of classifiers to determine the schema for your data, and then creates metadata tables in your data catalog.
Crawlers (0) Info
View and manage all available crawlers.
Last updated (UTC) March 16, 2023 at 05:09:24
Action
Run
Create crawler
Filter crawlers
Name
State
Schedule
Last run
Last run times...
Log
Table changes fr...
No resources
No resources to display.
Feedback
Language
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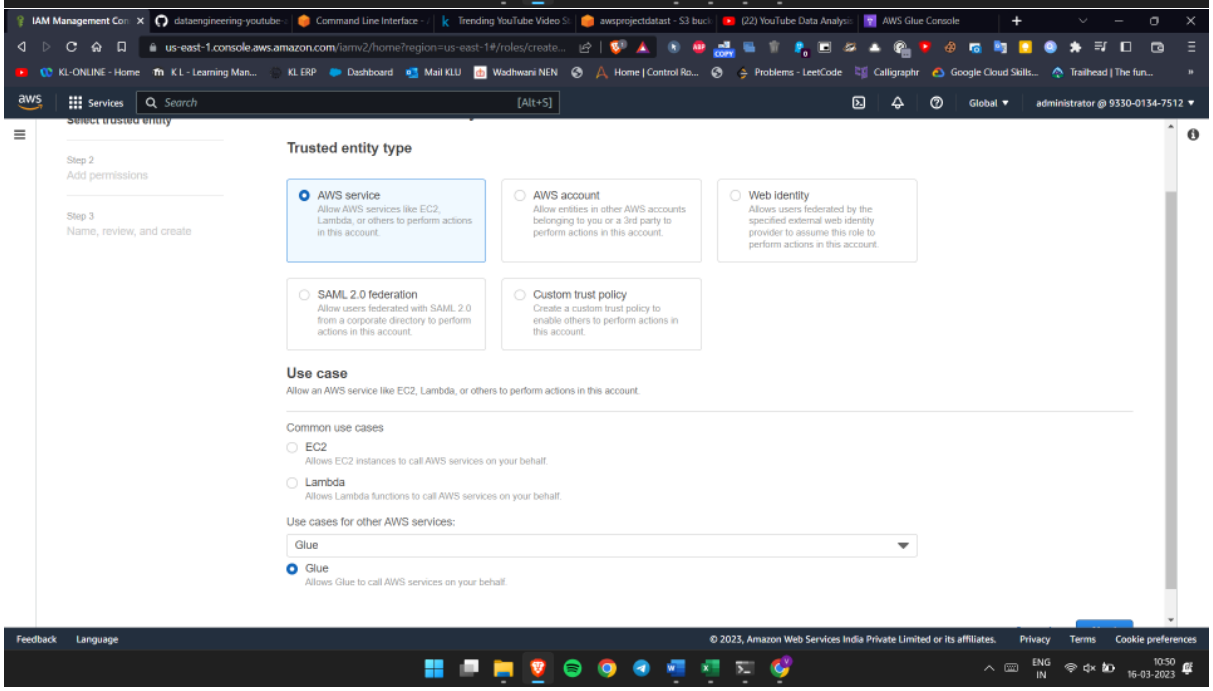
Step 2
Add permissions
Step 3
Name, review, and create
Trusted entity type
AWS service
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
Web identity
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
SAML 2.0 federation
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
Custom trust policy
Create a custom trust policy to enable others to perform actions in this account.
Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.
Common use cases
EC2
Allows EC2 instances to call AWS services on your behalf.
Lambda
Allows Lambda functions to call AWS services on your behalf.
Use cases for other AWS services:
Glue
Glue
Allows Glue to call AWS services on your behalf.
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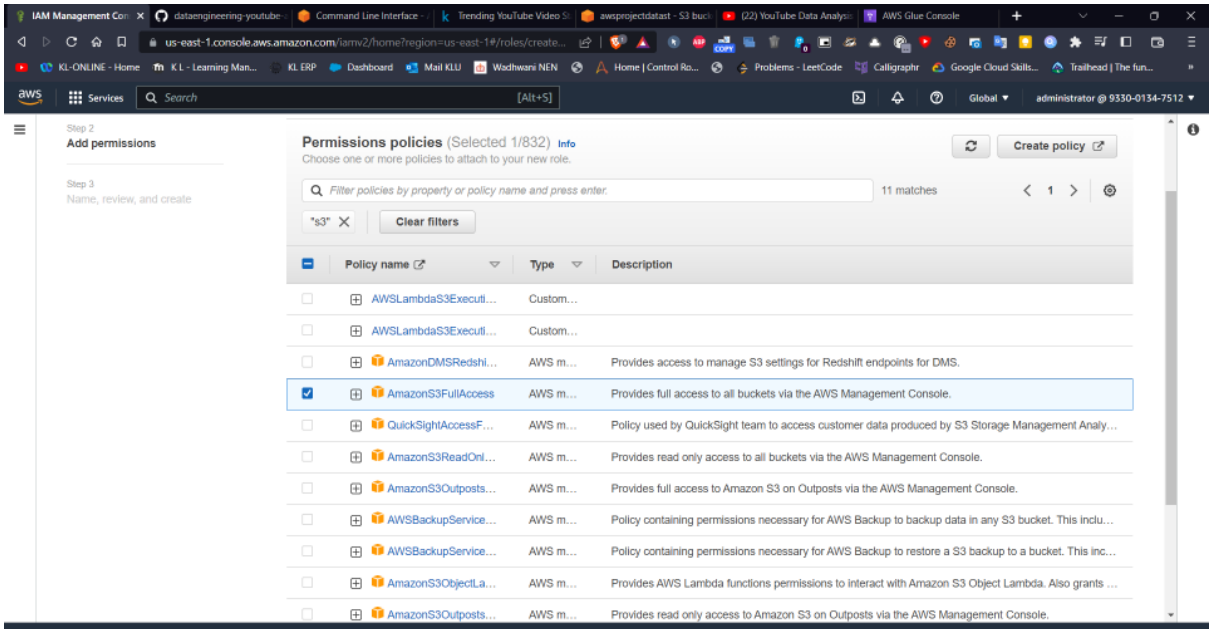
Step 2
Add permissions
Step 3
Name, review, and create
Permissions policies (Selected 1/832) Info
Choose one or more policies to attach to your new role.
Create policy
Filter policies by property or policy name and press enter.
11 matches
"s3"
Clear filters
Policy name
Type
Description
AWSLambdaS3Executi...
Custom...
AWSLambdaS3Executi...
Custom...
AmazonDMSRedshi...
AWS m...
Provides access to manage S3 settings for Redshift endpoints for DMS.
AmazonS3FullAccess
AWS m...
Provides full access to all buckets via the AWS Management Console.
QuickSightAccessF...
AWS m...
Policy used by QuickSight team to access customer data produced by S3 Storage Management Analy...
AmazonS3ReadOnl...
AWS m...
Provides read only access to all buckets via the AWS Management Console.
AmazonS3Outposts...
AWS m...
Provides full access to Amazon S3 on Outposts via the AWS Management Console.
AWSBackupService...
AWS m...
Policy containing permissions necessary for AWS Backup to backup data in any S3 bucket. This inclu...
AWSBackupService...
AWS m...
Policy containing permissions necessary for AWS Backup to restore a S3 backup to a bucket. This inc...
AmazonS3ObjectLa...
AWS m...
Provides AWS Lambda functions permissions to interact with Amazon S3 Object Lambda. Also grants ...
AmazonS3Outposts...
AWS m...
Provides read only access to Amazon S3 on Outposts via the AWS Management Console.
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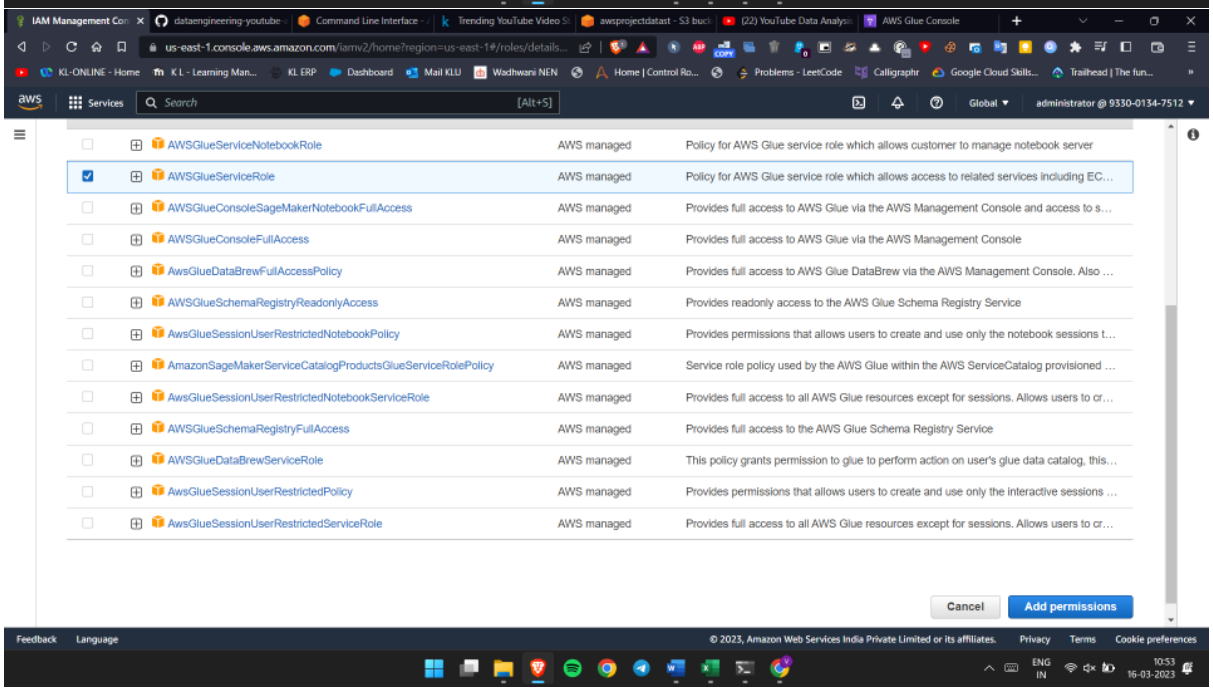
AWSGlueServiceNotebookRole
AWS managed
Policy for AWS Glue service role which allows customer to manage notebook server
AWSGlueServiceRole
AWS managed
Policy for AWS Glue service role which allows access to related services including EC...
AWSGlueConsoleSageMakerNotebookFullAccess
AWS managed
Provides full access to AWS Glue via the AWS Management Console and access to s...
AWSGlueConsoleFullAccess
AWS managed
Provides full access to AWS Glue via the AWS Management Console
AwsGlueDataBrewFullAccessPolicy
AWS managed
Provides full access to AWS Glue DataBrew via the AWS Management Console. Also ...
AWSGlueSchemaRegistryReadonlyAccess
AWS managed
Provides readonly access to the AWS Glue Schema Registry Service
AwsGlueSessionUserRestrictedNotebookPolicy
AWS managed
Provides permissions that allows users to create and use only the notebook sessions t...
AmazonSageMakerServiceCatalogProductsGlueServiceRolePolicy
AWS managed
Service role policy used by the AWS Glue within the AWS ServiceCatalog provisioned ...
AwsGlueSessionUserRestrictedNotebookServiceRole
AWS managed
Provides full access to all AWS Glue resources except for sessions. Allows users to cr...
AWSGlueSchemaRegistryFullAccess
AWS managed
Provides full access to the AWS Glue Schema Registry Service
AWSGlueDataBrewServiceRole
AWS managed
This policy grants permission to glue to perform action on user's glue data catalog, this...
AwsGlueSessionUserRestrictedPolicy
AWS managed
Provides permissions that allows users to create and use only the interactive sessions ...
AwsGlueSessionUserRestrictedServiceRole
AWS managed
Provides full access to all AWS Glue resources except for sessions. Allows users to cr...
Cancel
Add permissions
Feedback
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AWS Glue > Databases > Add database

Create a database

Create a database in the AWS Glue Data Catalog.

Database details

Name

awsprojectdatabase

Database name is required, in lowercase characters, and no longer than 255 characters.

Location - *optional*

Set the URI location for use by clients of the Data Catalog.

Description - *optional*

Enter text

Descriptions can be up to 2048 characters long.

Cancel | Create database

One crawler successfully created

The following crawler is now created: "awsdatacrawler"

AWS Glue > Crawlers > awsdatacrawler

awsdatacrawler

Last updated (UTC) March 16, 2023 at 05:27:41 | Run crawler | Edit | Delete

Crawler properties

Name	IAM role	Database	State
awsdatacrawler	cscprojectrole	awsprojectdatabase	READY
Description	**Security configuration**	**Lake Formation configuration**	**Table prefix**
-	-	-	-

Maximum table threshold

-

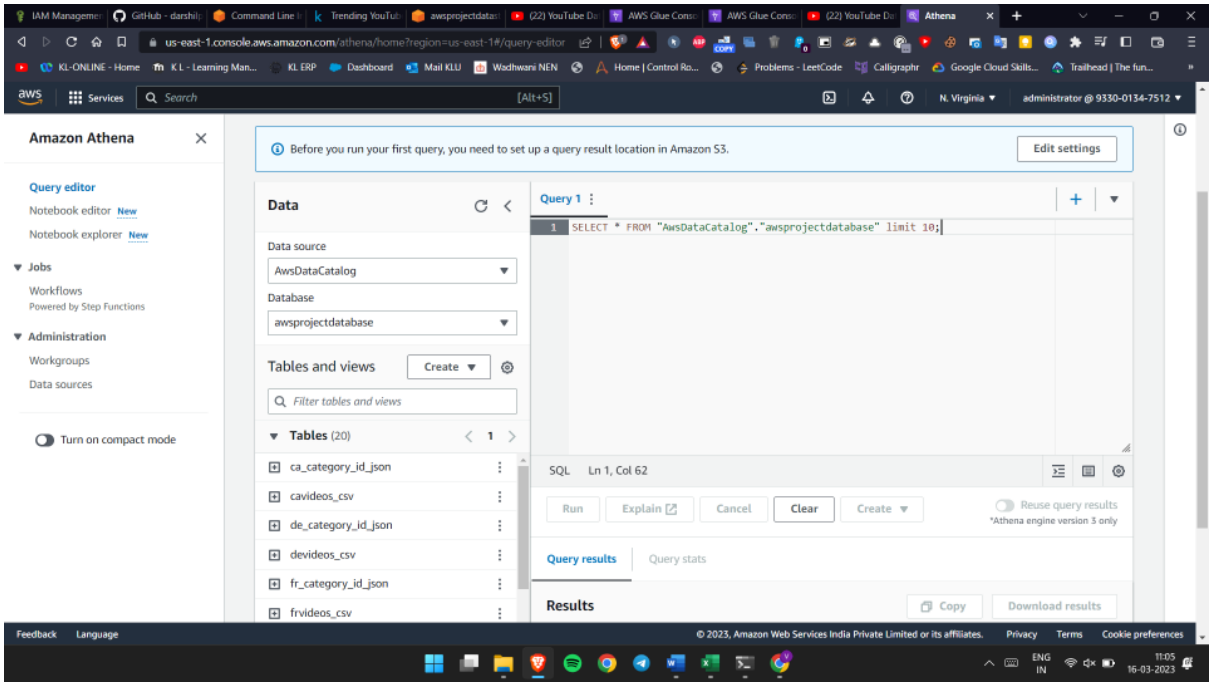
▶ Advanced settings

Crawler runs | Schedule | Data sources | Classifiers | Tags

Crawler runs (0)

The list of crawler runs for this crawler.

Stop run | View CloudWatch logs | View run details


Amazon Athena
Query editor
Notebook editor New
Notebook explorer New
Jobs
Workflows
Powered by Step Functions
Administration
Workgroups
Data sources
Turn on compact mode
Before you run your first query, you need to set up a query result location in Amazon S3.
Edit settings
Data
Data source
AwsDataCatalog
Database
awsprojectdatabase
Tables and views
Create
Filter tables and views
Tables (20)
ca_category_id_json
cavideos_csv
de_category_id_json
devideos_csv
fr_category_id_json
frvideos_csv
Query 1
SELECT * FROM "AwsDataCatalog"."awsprojectdatabase" limit 10;
SQL Ln 1, Col 62
Run
Explain
Cancel
Clear
Create
Reuse query results
*Athena engine version 3 only
Query results
Query stats
Results
Copy
Download results
Feedback
Language
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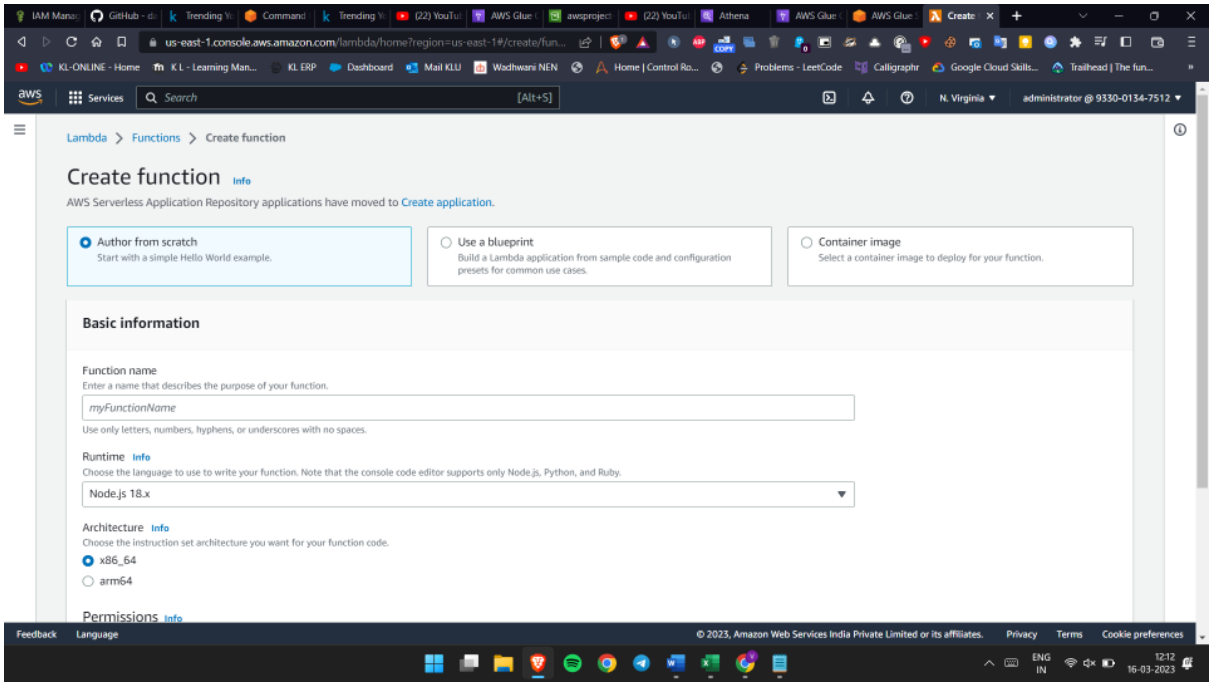
Lambda > Functions > Create function
Create function Info
AWS Serverless Application Repository applications have moved to Create application.
Author from scratch
Start with a simple Hello World example.
Use a blueprint
Build a Lambda application from sample code and configuration presets for common use cases.
Container image
Select a container image to deploy for your function.
Basic information
Function name
Enter a name that describes the purpose of your function.
myFunctionName
Use only letters, numbers, hyphens, or underscores with no spaces.
Runtime Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Node.js 18.x
Architecture Info
Choose the instruction set architecture you want for your function code.
x86_64
arm64
Permissions Info
Feedback
Language
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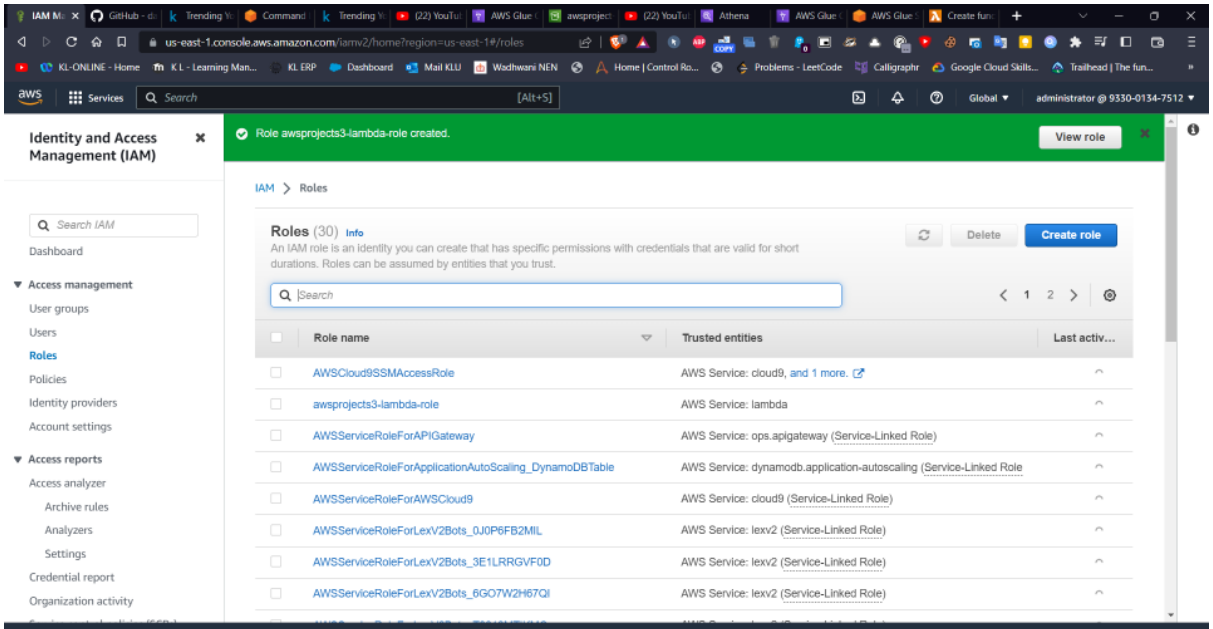
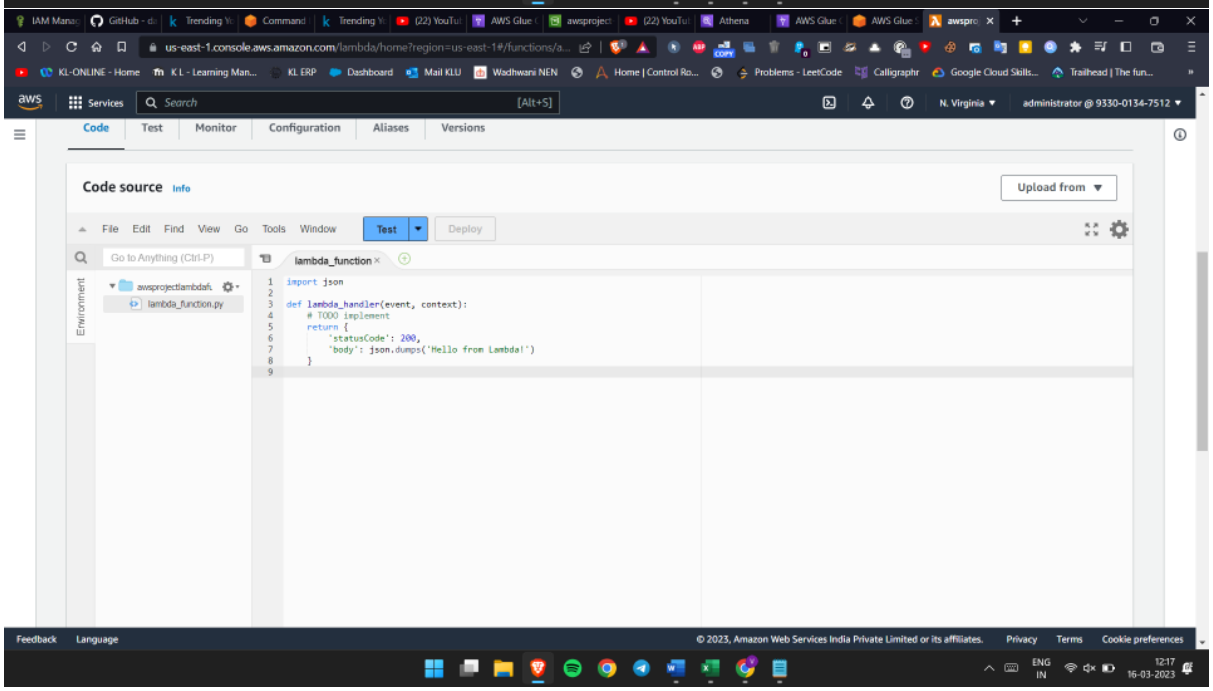
Privacy
Terms
Cookie preferences


Role awsprojects3-lambda-role created.
View role
Identity and Access Management (IAM)
IAM > Roles
Roles (30) Info
An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.
Delete
Create role
Role name
Trusted entities
AWSCloud9SSMAccessRole
AWS Service: cloud9, and 1 more.
awsprojects3-lambda-role
AWS Service: lambda
AWSServiceRoleForAPIGateway
AWS Service: ops.apigateway (Service-Linked Role)
AWSServiceRoleForApplicationAutoScaling_DynamoDBTable
AWS Service: dynamodb.application-autoscaling (Service-Linked Role
AWSServiceRoleForAWSCloud9
AWS Service: cloud9 (Service-Linked Role)
AWSServiceRoleForLexV2Bots_0J0P6FB2MIL
AWS Service: lexv2 (Service-Linked Role)
AWSServiceRoleForLexV2Bots_3E1LRRGVF0D
AWS Service: lexv2 (Service-Linked Role)
AWSServiceRoleForLexV2Bots_6GO7W2H67QI
AWS Service: lexv2 (Service-Linked Role)


Code
Test
Monitor
Configuration
Aliases
Versions
Code source Info
Upload from
File Edit Find View Go Tools Window
Test
Deploy
lambda_function
import json
def lambda_handler(event, context):
# TODO implement
return {
'statusCode': 200,
'body': json.dumps('Hello from Lambda!')
}

Amazon S3 > Buckets > Create bucket

Create bucket Info

Buckets are containers for data stored in S3. Learn more

General configuration

Bucket name

aws-cleaned-project-layer

Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming

AWS Region

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

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

Choose bucket

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.

ACLs disabled (recommended)

ACLs enabled

Lambda > Functions > awsprojectlambdafunction > Edit environment variables

Edit environment variables

Environment variables

You can define environment variables as key-value pairs that are accessible from your function code. These are useful to store configuration settings without the need to change function code. Learn more

Key	Value	
glue_catalog_db_name	db_youtube_cleaned	Remove
glue_catalog_table_name	cleaned_statistics_reference_data	Remove
s3_cleaned_layer	s3://aws-cleaned-project-layer	Remove
write_data_operation	append	Remove

Add environment variable

Encryption configuration

Template - *optional*

s3-put

Event JSON

Format JSON


```
      "eventName": "ObjectCreated:Put",
      "userIdentity": {
        "principalId": "EXAMPLE"
      },
      "requestParameters": {
        "sourceIPAddress": "127.0.0.1"
      },
      "responseElements": {
        "x-amz-request-id": "EXAMPLE123456789",
        "x-amz-id-2": "EXAMPLE123/5678abcdefghijklambdaisawesome/mnopqrstuvwxyzABCDEFGH"
      },
      "s3": {
        "s3SchemaVersion": "1.0",
        "configurationId": "testConfigRule",
        "bucket": {
          "name": "awsprojectdatast",
          "ownerIdentity": {
            "principalId": "EXAMPLE"
          },
          "arn": "arn:aws:s3:::awsprojectdatast"
        },
        "object": {
          "key": "youtube/raw_statistics_reference_data/US_category_id.json",
          "size": 1024,
          "eTag": "0123456789abcdef0123456789abcdef",
          "sequencer": "0A1B2C3D4E5F678901"
        }
      }
    }
  ]
}
```


Cancel Save

Lambda > Layers > Add layer

Add layer

Function runtime settings

Runtime	Architecture
Python 3.9	x86_64

Choose a layer

Layer source Info

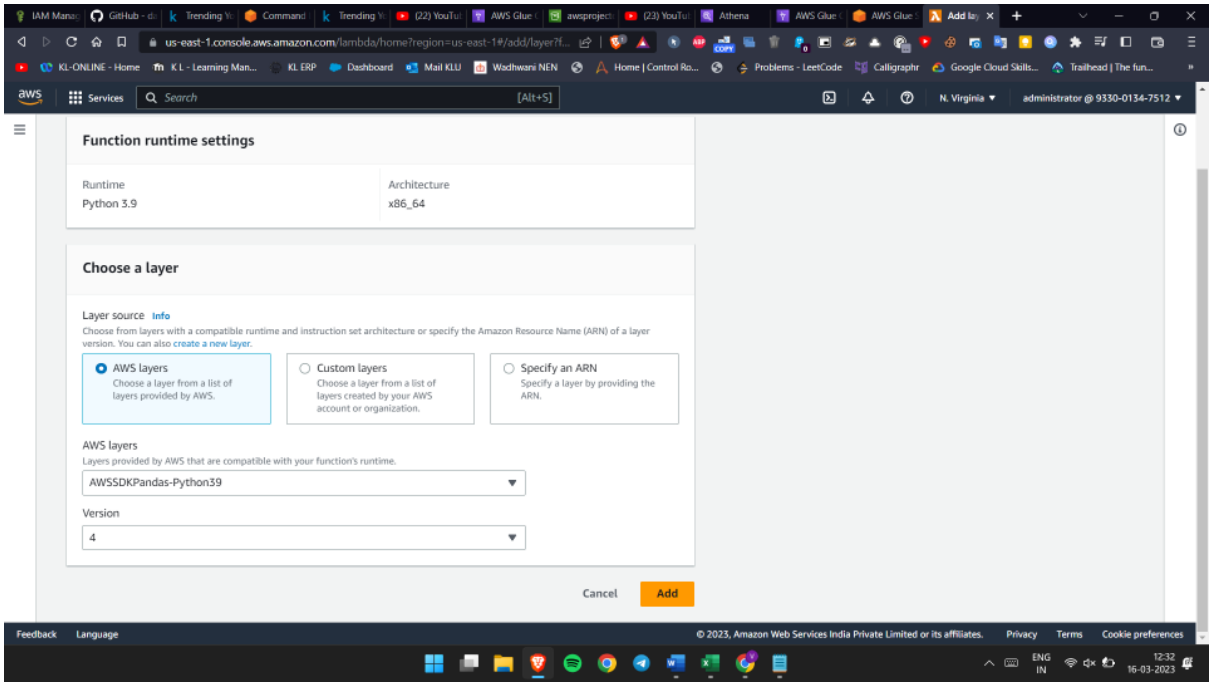
Choose from layers with a compatible runtime and instruction set architecture or specify the Amazon Resource Name (ARN) of a layer version. You can also create a new layer.

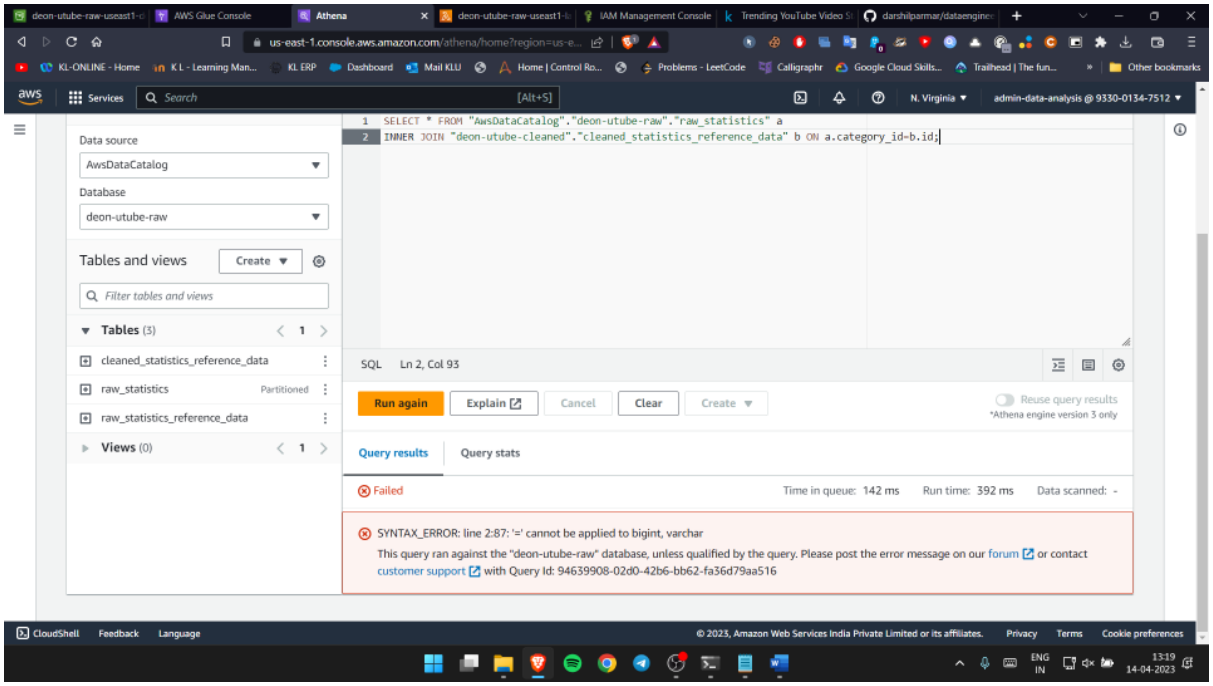
- (●) **AWS layers** — Choose a layer from a list of layers provided by AWS.
- ( ) **Custom layers** — Choose a layer from a list of layers created by your AWS account or organization.
- ( ) **Specify an ARN** — Specify a layer by providing the ARN.

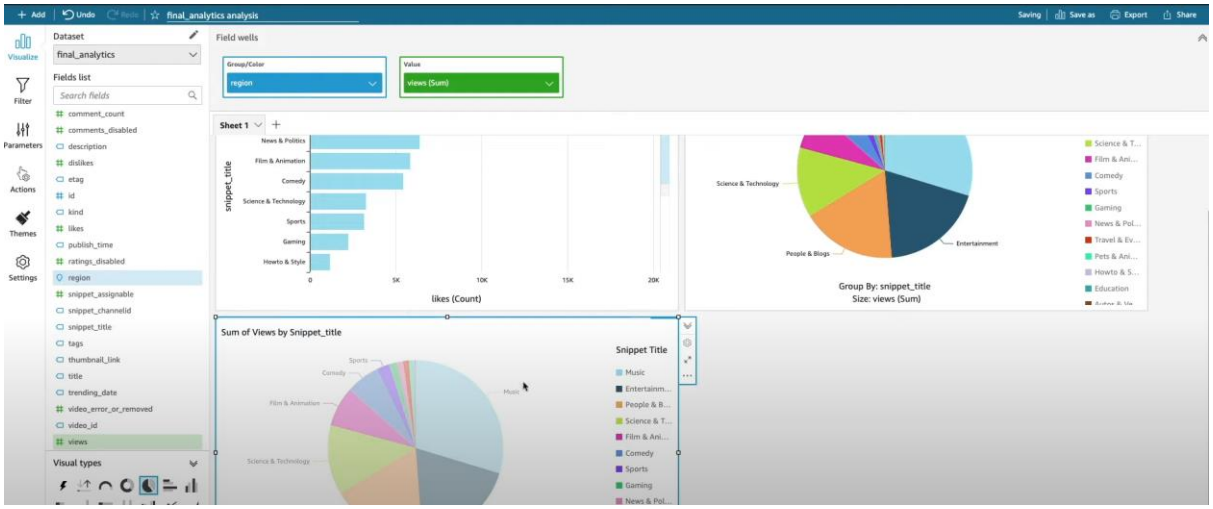
AWS layers

Layers provided by AWS that are compatible with your function's runtime.

Choose


Function runtime settings
Runtime
Python 3.9
Architecture
x86_64
Choose a layer
Layer source Info
Choose from layers with a compatible runtime and instruction set architecture or specify the Amazon Resource Name (ARN) of a layer version. You can also create a new layer.
AWS layers
Choose a layer from a list of layers provided by AWS.
Custom layers
Choose a layer from a list of layers created by your AWS account or organization.
Specify an ARN
Specify a layer by providing the ARN.
AWS layers
Layers provided by AWS that are compatible with your function's runtime.
AWSSDKPandas-Python39
Version
4
Cancel
Add


SELECT * FROM "AwsDataCatalog"."deon-utube-raw"."raw_statistics" a
INNER JOIN "deon-utube-cleaned"."cleaned_statistics_reference_data" b ON a.category_id=b.id;
Data source
AwsDataCatalog
Database
deon-utube-raw
Tables and views
Create
Filter tables and views
Tables (3)
cleaned_statistics_reference_data
raw_statistics
Partitioned
raw_statistics_reference_data
Views (0)
SQL Ln 2, Col 93
Run again
Explain
Cancel
Clear
Create
Reuse query results
*Athena engine version 3 only
Query results
Query stats
Failed
Time in queue: 142 ms
Run time: 392 ms
Data scanned: -
SYNTAX_ERROR: line 2:87: '=' cannot be applied to bigint, varchar
This query ran against the "deon-utube-raw" database, unless qualified by the query. Please post the error message on our forum or contact customer support with Query Id: 94639908-02d0-42b6-bb62-fa36d79aa516


Add
Undo
Redo
final_analytics analysis
Saving
Save as
Export
Share
Visualize
Filter
Parameters
Actions
Themes
Settings
Dataset
final_analytics
Fields list
Search fields
comment_count
comments_disabled
description
dislikes
etag
id
kind
likes
publish_time
ratings_disabled
region
snippet_assignable
snippet_channelid
snippet_title
tags
thumbnail_link
title
trending_date
video_error_or_removed
video_id
views
Visual types
Field wells
Group/Color
region
Value
views (Sum)
Sheet 1
snippet_title
News & Politics
Film & Animation
Comedy
Science & Technology
Sports
Gaming
Howto & Style
0
5K
10K
15K
20K
likes (Count)
Science & Technology
People & Blogs
Entertainment
Group By: snippet_title
Size: views (Sum)
Sum of Views by Snippet_title
Sports
Comedy
Film & Animation
Music
Science & Technology
Snippet Title
Music
Entertainm...
People & B...
Science & T...
Film & Ani...
Comedy
Sports
Gaming
News & Pol...