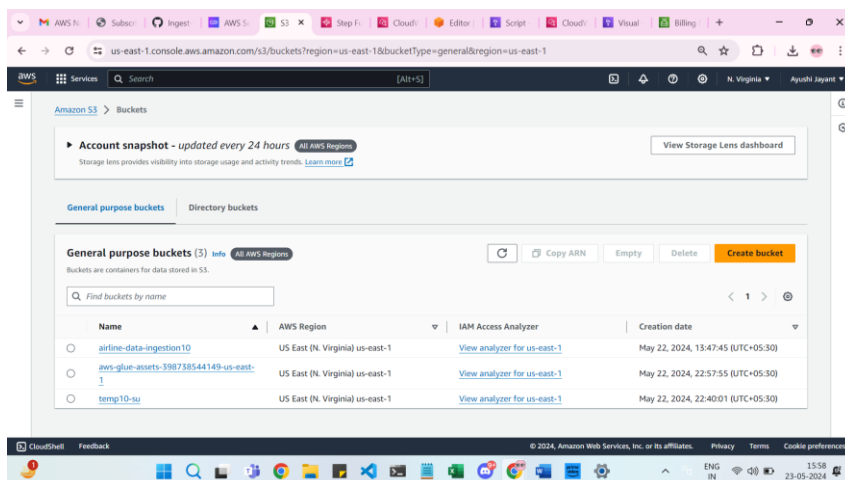


Assignment10: Ingest daily flight data in Redshift table

- 1) created s3 bucket with folders as airport_dim and flights_daily and uploaded the dataset into respective folders
- 2) Created redshift cluster along with proper iam role and access key for redshift using secrets manager
- 3) We have given VPC connection for redshift and setup inbound and outbound rules along with endpoint as s3 for redshift port-5439
- 4) Setup all the relevant databases creation, crawlers creation(3 schemas)(2 redshift and 1 in s3 bucket) and created connections in glue for redshift and then prepared the visual etl
- 5) created state machine in step function to orchestrate pipeline on arrival of data in s3 bucket and set up sns on notification related to success or failure through mail
- 6) The data arrived in destination that is redshift editor where we can query the daily_flights_data that arrived after being processed successfully



us-east-1.console.aws.amazon.com/redshiftv2/home?region=us-east-1#/cluster-details?cluster=redshift-cluster-10

General information

Cluster identifier redshift-cluster-10	Status Available	Node type dc2.large	Endpoint redshift-cluster-10.cjfqgjuhucw.us-east-1.redshift.amazonaws.com:5439/dev
Custom domain name -	Date created May 22, 2024, 15:29 (UTC+05:30)	Number of nodes 2	JDBC URL jdbc:redshift://redshift-cluster-10.cjfqgjuhucw.us-east-1.redshift.amazonaws.com:5439/dev
Cluster namespace ARN arn:aws:redshift:us-east-1:398738544149:namespace:256f5451-9358-4a85-a860-e9723e54d9b8	Storage used 0.04% (0.13 of 320 GB used)	Patch version Patch 180	ODBC URL Driver={Amazon Redshift (x64)}; Server=redshift-cluster-10.cjfqgjuhucw.us-east-1.redshift.amazonaws.com; Database=dev
Cluster configuration Production	Multi-AZ No		

Cluster performance | Query monitoring | Databases | Datashares | Zero-ETL integrations | Resource Policy | Schedules | Maintenance | Properties

Recommendations (0)
To improve performance and decrease operating costs, the Amazon Redshift Advisor provides recommendations.

us-east-1.console.aws.amazon.com/secretsmanager/secret?name=Used-for-Redshift®ion=us-east-1

Used-for-Redshift

Secret details

Encryption key aws/secretsmanager	Secret description -
Secret name Used-for-Redshift	
Secret ARN arn:aws:secretsmanager:us-east-1:398738544149:secret:Used-for-Redshift-gubjPq	

Overview | Rotation | Versions | Replication | Tags

Secret value
Retrieve and view the secret value.

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/roles

Identity and Access Management (IAM)

Roles (7) info

Role name	Trusted entities	Last activity
AmazonRedshift-CommandsAccessRole-20240522T152317	AWS Service: redshift, and 2 more	24 hours ago
Assignment10	AWS Service: glue	1 hour ago
AWSServiceRoleForDevOpsGuru	AWS Service: devops-guru (Service-Link)	1 hour ago
AWSServiceRoleForRedshift	AWS Service: redshift (Service-Link)	24 minutes ago
AWSServiceRoleForSupport	AWS Service: support (Service-Link)	9 days ago
AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service-Link)	-
StepFunctions-MyStateMachine-1761ajen-role-obdort79w1	AWS Service: states	1 hour ago

Roles Anywhere info

