Unit 5.2 Graded Assignment:

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Daily Assignment:

Using the salary CSV as a base, prepare a new data file with employees' office locations. Make sure there are 5-6 distinct locations that are shared between employees.

Create a Glue job that aggregates the data based on the office location to calculate average salaries and raise percentages for these locations.

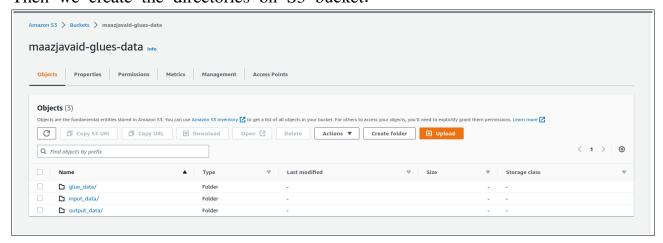
Answer:

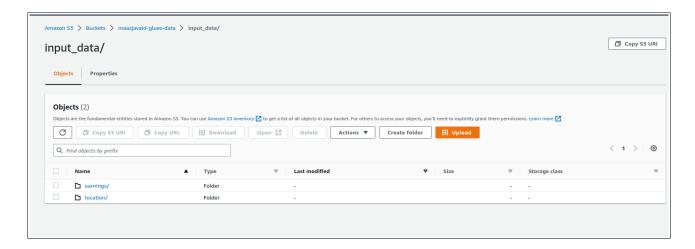
1.Set up an AWS Glue job in the AWS Glue console

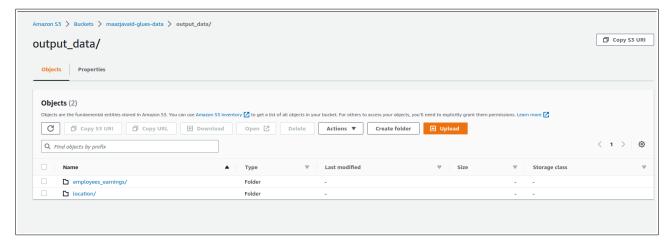
First of all we create the S3 bucket:



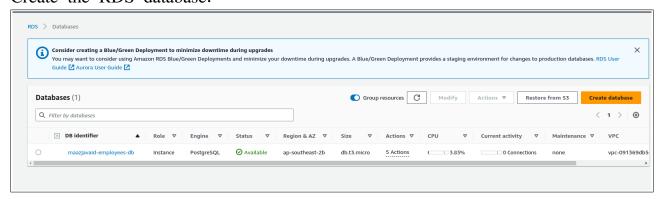
Then we create the directories on S3 bucket:

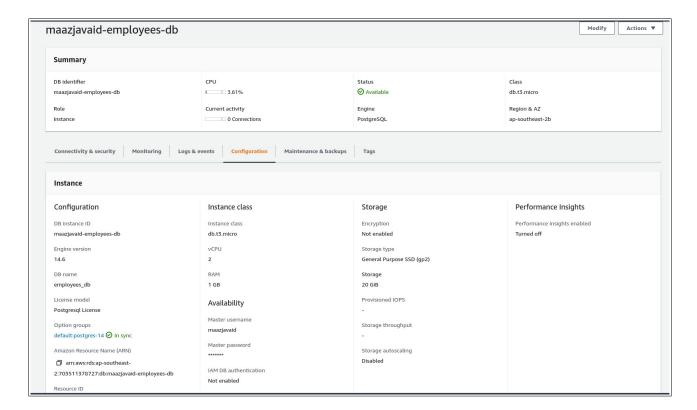




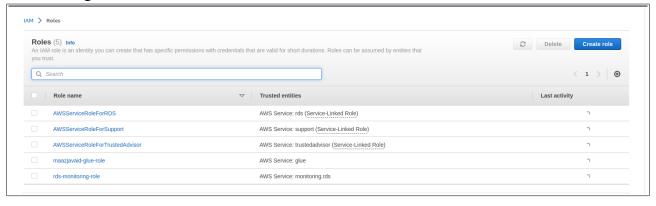


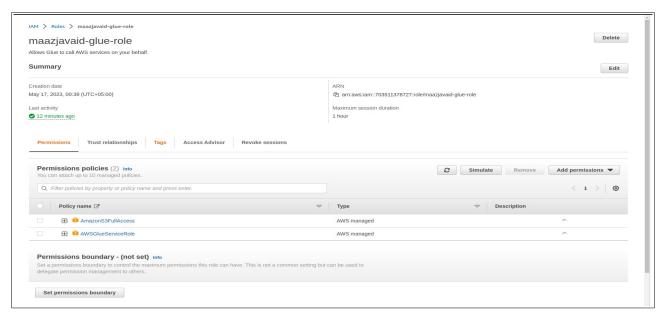
Create the RDS database:



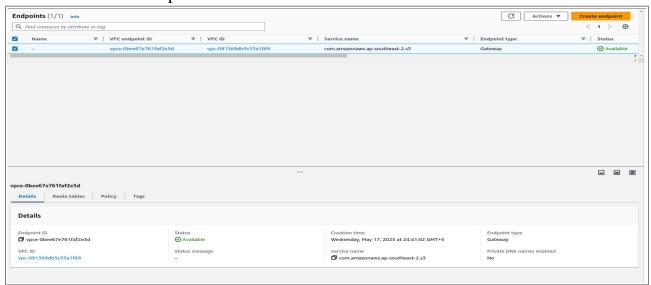


Then we go to IAM service and create the IAM Role:

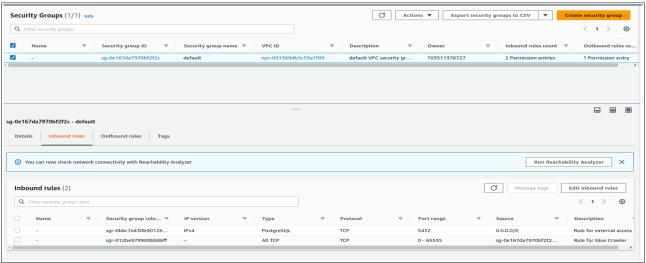


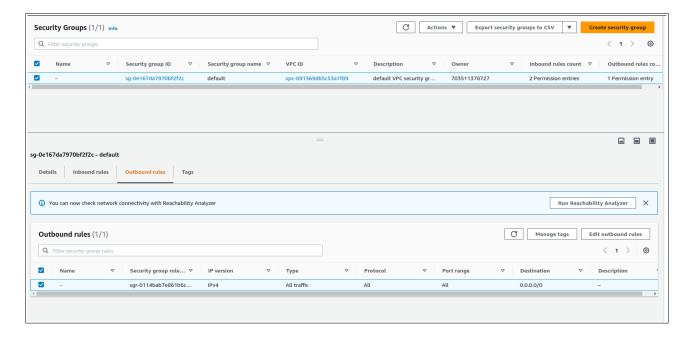


Create the VPC Endpoint:



Security group rules:

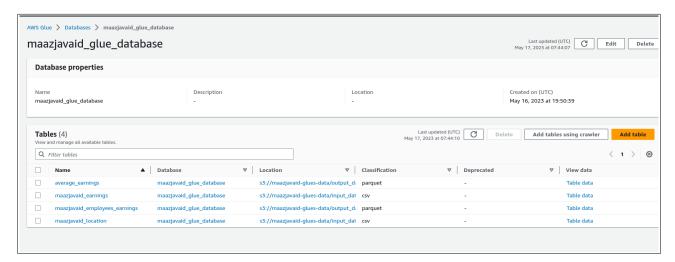




2.ETL in Glue

Create database:

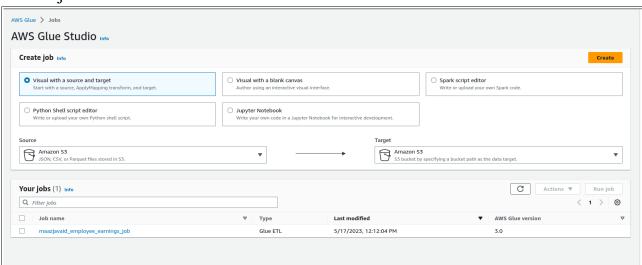


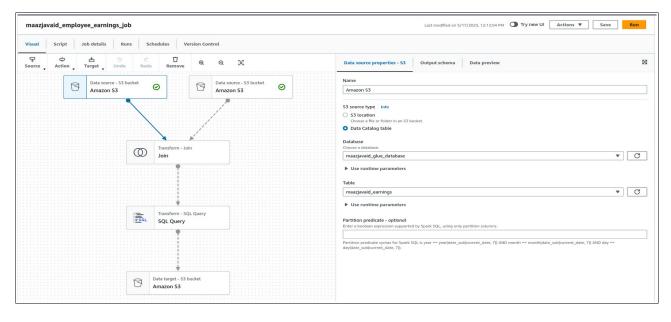


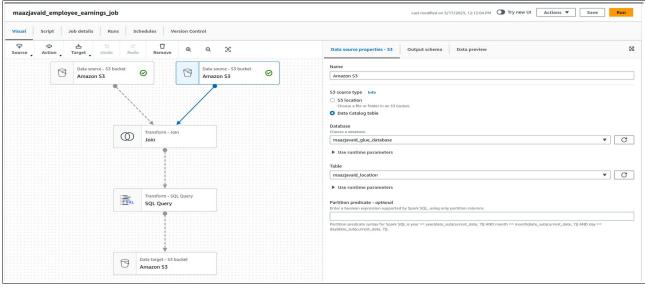
Glue Crawlers:

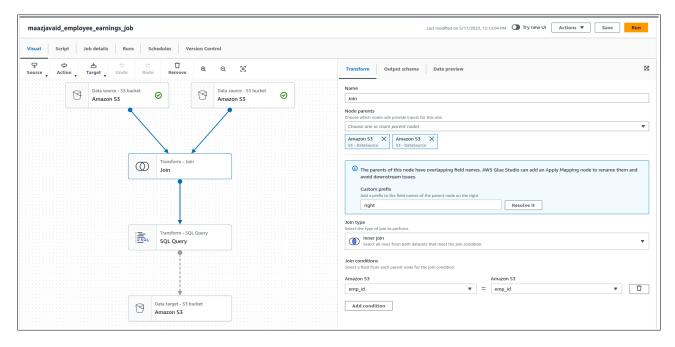


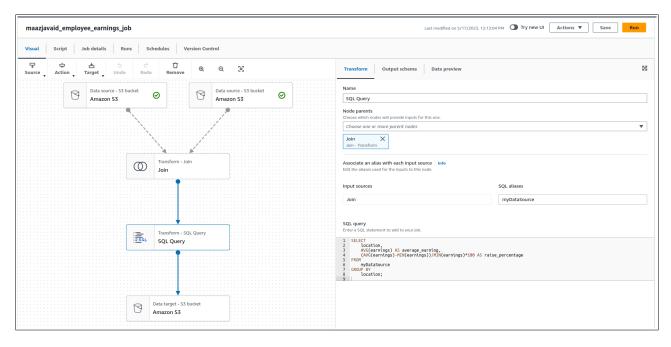
Create job:

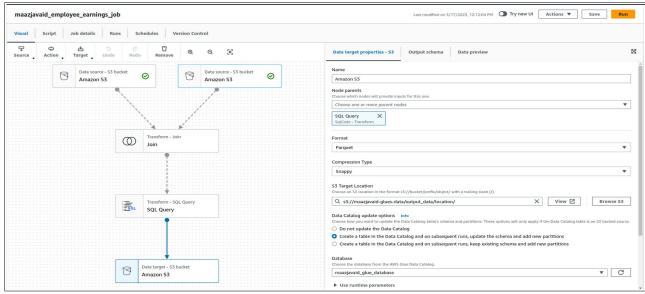


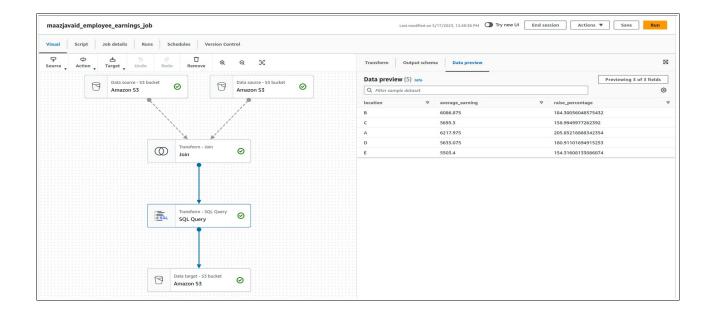


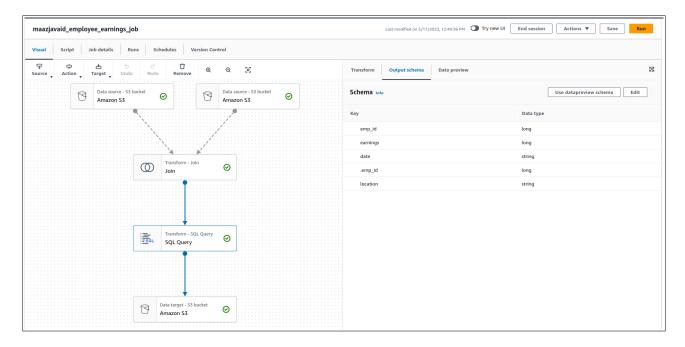












Successfully updated job:

