

HipHopML

Database Connection

For our project, we created a RDS Postgres instance to store our source data:

[RDS](#) > [Databases](#) > grp16proj4db

grp16proj4db

ModifyActions ▼

Summary

DB identifier grp16proj4db	CPU <div>4.32%</div>	Status ✔ Available	Class db.t3.micro
Role Instance	Current activity <div>0.00 sessions</div>	Engine PostgreSQL	Region & AZ us-east-2a

Connectivity & securityMonitoringLogs & eventsConfigurationMaintenance & backupsTags

Connectivity & security

Endpoint & port Endpoint grp16proj4db.cpkxyzkirtq.us-east-2.rds.amazonaws.com Port 5432	Networking Availability Zone us-east-2a VPC vpc-3cfc9557 Subnet group default-vpc-3cfc9557	Security VPC security groups default (sg-31dea77b) ✔ Active Publicly accessible Yes Certificate authority Info rds-ca-2019
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After creating our database, we created an S3 bucket to store our source file:

Amazon S3 > Buckets > grp16proj4 > all_songs.csv

all_songs.csv Info

[Copy S3 URI](#) [Download](#) [Open](#) [Object actions](#)

Properties | Permissions | Versions

Object overview

Owner	S3 URI
00e9a2280a43f0901b4547f6450634ebc8eb4ea14631b8e431a5856676a22542	s3://grp16proj4/all_songs.csv
AWS Region	Amazon Resource Name (ARN)
US East (Ohio) us-east-2	arn:aws:s3:::grp16proj4/all_songs.csv
Last modified	Entity tag (Etag)
February 28, 2023, 20:29:21 (UTC-05:00)	cf674059b1c45f6b22259f6b1d2aaa37
Size	Object URL
30.6 KB	https://grp16proj4.s3.us-east-2.amazonaws.com/all_songs.csv
Type	
csv	
Key	
all_songs.csv	

After creating the RDS database and s3 bucket, we used PGAdmin to connect to the AWS RDS Postgres instance to create a table and load the data into our table:

public.all_songs/project4/root@grp16proj4db

Query Query History [Scratch Pad](#)

```
1 SELECT * FROM public.all_songs
2
```

Data Output Messages Notifications

[Copy options](#) Copying (120)

		artist
		character varying (120)
1	10,000 Hours	Dan + Shay and Justin Bieber
2	All to Myself	Dan + Shay
3	Beautiful Crazy	Luke Combs
4	Beer Never Broke My Heart	Luke Combs
5	Best Shot	Jimmie Allen
6	Blue Tacoma	Russell Dickerson
7	Broken Halos	Chris Stapleton
8	Drowns the Whiskey	Jason Aldean featuring Miranda Lambert
9	Even Though I'm Leaving	Luke Combs
10	Every Little Thing	Russell Dickerson
11	Everything's Gonna Be Alright	David Lee Murphy and Kenny Chesney
12	Eyes on You	Chase Rice
13	Five More Minutes	Scotty McCreery
14	For the First Time	Darius Rucker
15	Get Along	Kenny Chesney
16	Girl	Maren Morris

After loading the table, data was preprocessed for our model.