

Chat App Using Lambda Function, Data Base and API Gate Way

The image displays two screenshots of the AWS Management Console, illustrating the setup for a chat application.

Top Screenshot: Amazon RDS Databases

The top screenshot shows the Amazon RDS console. The left sidebar lists various RDS services, including Databases, Query Editor, Performance insights, Snapshots, Exports in Amazon S3, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom engine versions, and Zero-ETL integrations. The main content area displays the "Databases (4)" page. It includes a search bar, a "Filter by databases" dropdown, and a table listing the databases.

DB identifier	Status	Role	Engine	Region & AZ	Size
database-1	Available	Multi-AZ DB cluster	PostgreSQL	us-east-1	3 insta
database-1-instance-1	Available	Writer instance	PostgreSQL	us-east-1c	db.m5c
database-1-instance-2	Available	Reader instance	PostgreSQL	us-east-1d	db.m5c
database-1-instance-3	Available	Reader instance	PostgreSQL	us-east-1a	db.m5c

Bottom Screenshot: API Gateway APIs

The bottom screenshot shows the API Gateway console. The left sidebar lists various API Gateway services, including APIs, Custom domain names, VPC links, Usage plans, API keys, Client certificates, and Settings. The main content area displays the "APIs (5/5)" page. It includes a search bar, a "Find APIs" dropdown, and a table listing the APIs.

Name	Description	ID	Protocol	API endpoint type	Created
API		6wedyto6g8	WebSocket	Regional	2024-03-21
Demo_Lambda-API	Created by AWS Lambda	ylzf2djed0	HTTP	Regional	2024-03-21
Home_Page-API	Created by AWS Lambda	lo2zu8i4kd	HTTP	Regional	2024-03-21
home-API	Created by AWS Lambda	b5px4y0f6	HTTP	Regional	2024-03-21
home-API	Created by AWS Lambda	pxa7rb75v4	HTTP	Regional	2024-03-21

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#database-id=database-1;is-cluster=true

Amazon RDS

Database instances

Instance ID	Status	Instance Class	Engine	Engine Version	Platform
database-1	Available	Multi-AZ DB cluster	PostgreSQL	us-east-1	3 ins
database-1-instance-1	Available	Writer instance	PostgreSQL	us-east-1c	db.n
database-1-instance-2	Available	Reader instance	PostgreSQL	us-east-1d	db.n
database-1-instance-3	Available	Reader instance	PostgreSQL	us-east-1a	db.n

Connectivity & security | Monitoring | Logs & events | Configuration | Maintenance & backups

Endpoints (2)

Endpoint name	Status	Type	Port
database-1.cluster-czas08286gfg.us-east-1.rds.amazonaws.com	Available	Writer	5432
database-1.cluster-ro-czas08286gfg.us-east-1.rds.amazonaws.com	Available	Reader	5432

Manage IAM roles

us-east-1.console.aws.amazon.com/apigateway/main/apis/6wedyto6g8/routes?api=6wedyto6g8®ion=us-east-1

API Gateway

Routes - API (6wedyto6g8)

Create route

Route selection expression [Info](#)

`$request.body.action`

`$connect`

`$default`

`$disconnect`

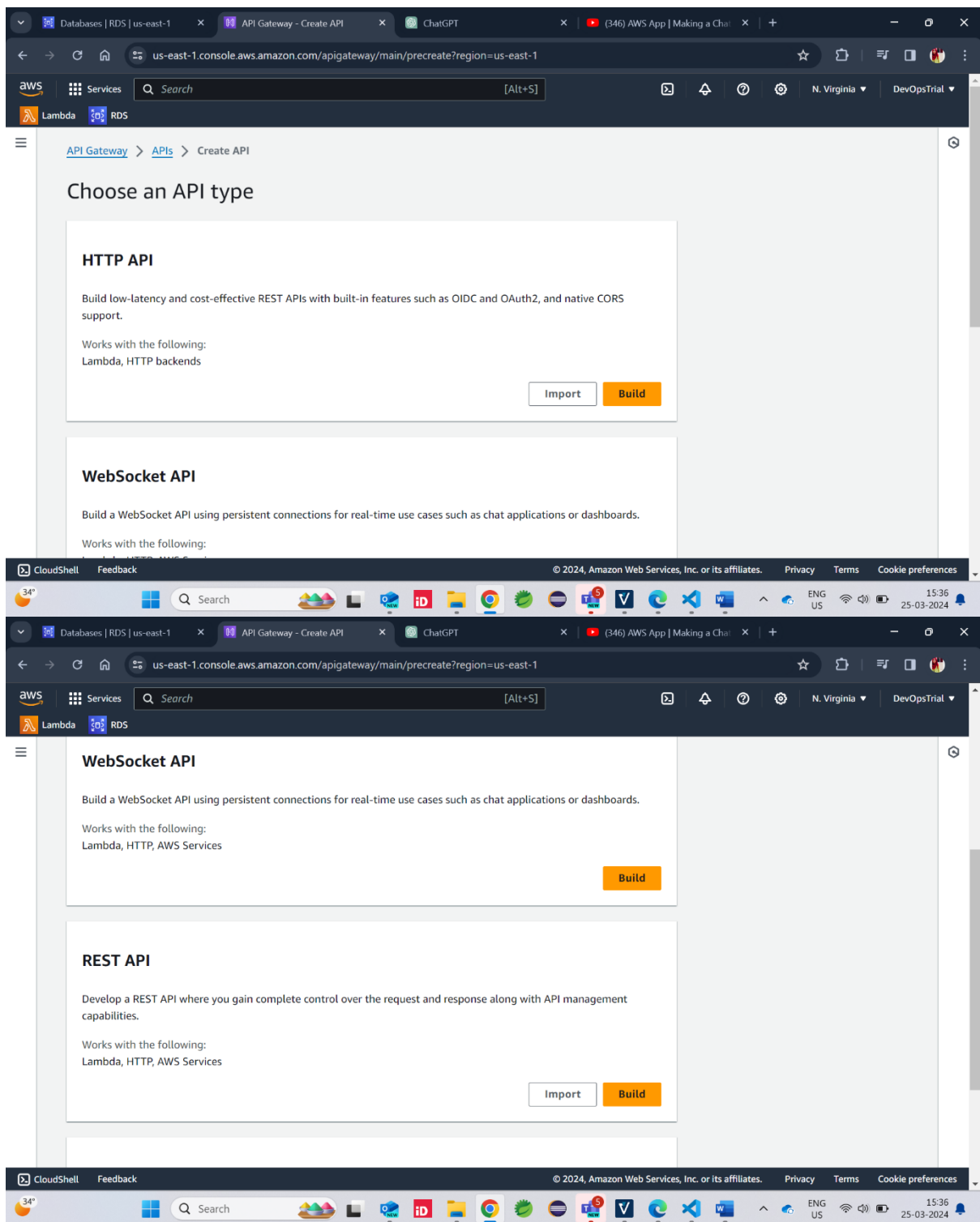
`$connect`

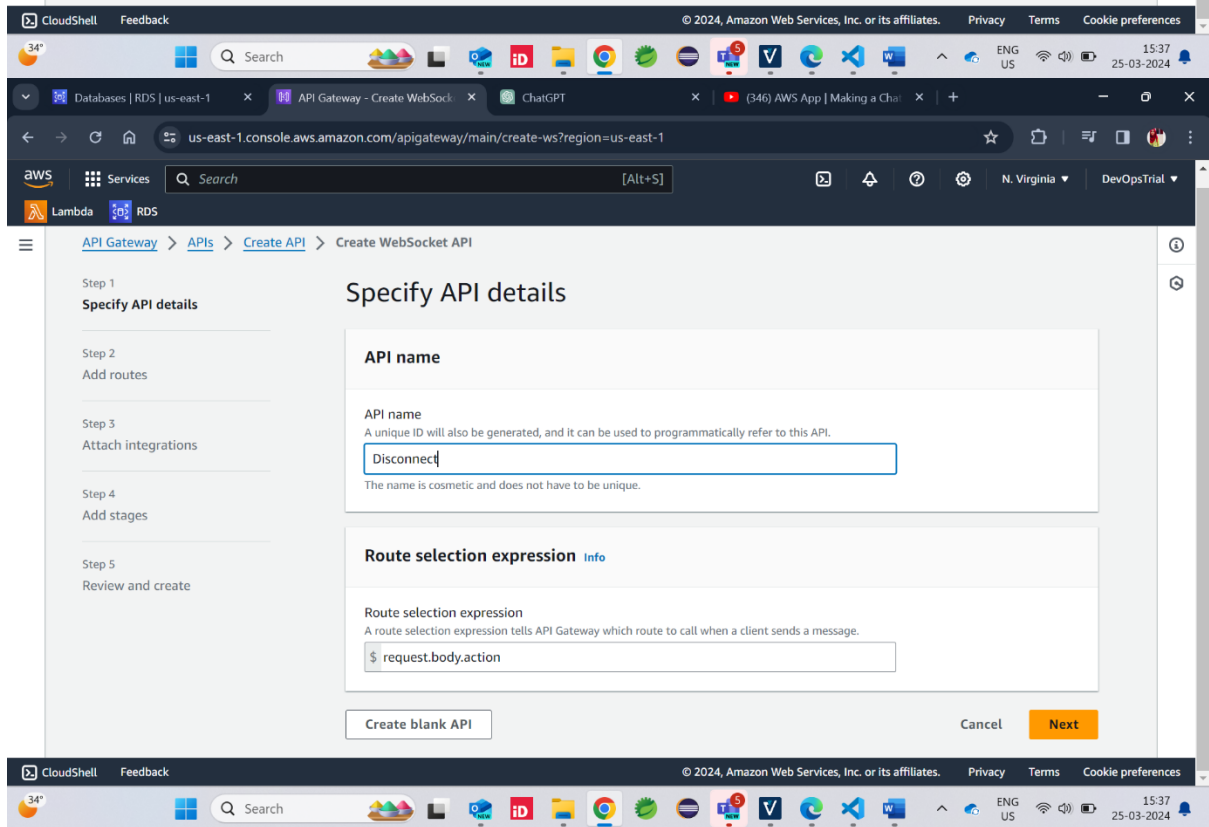
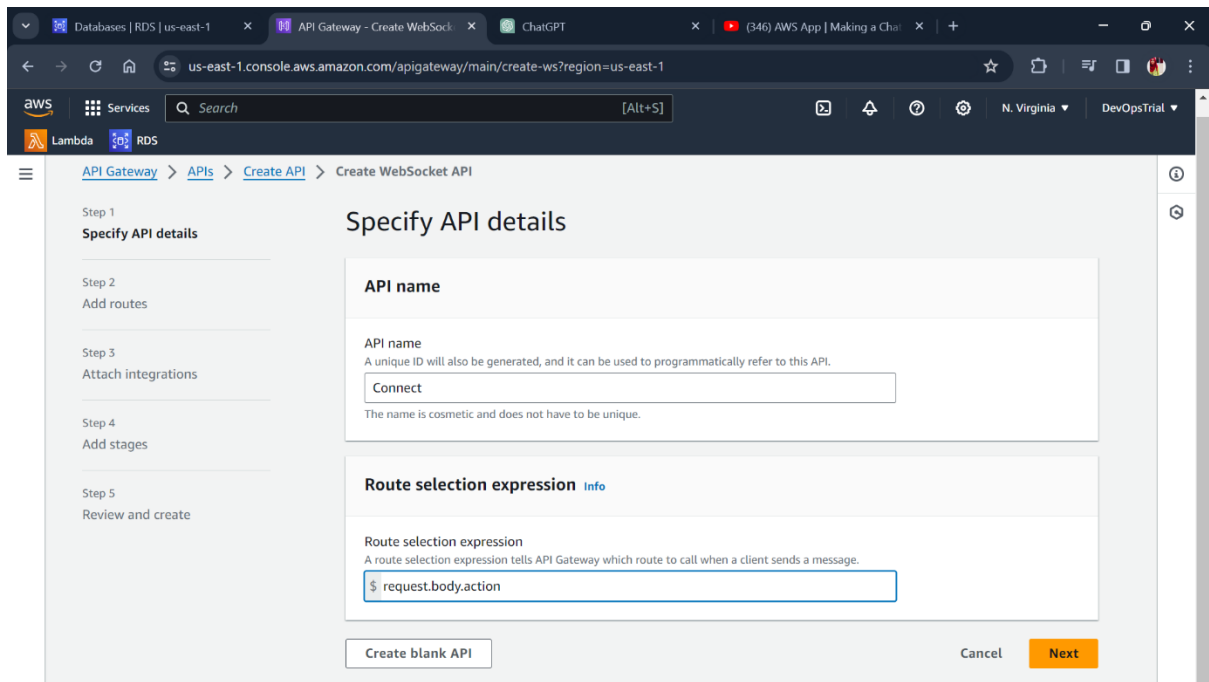
ARN

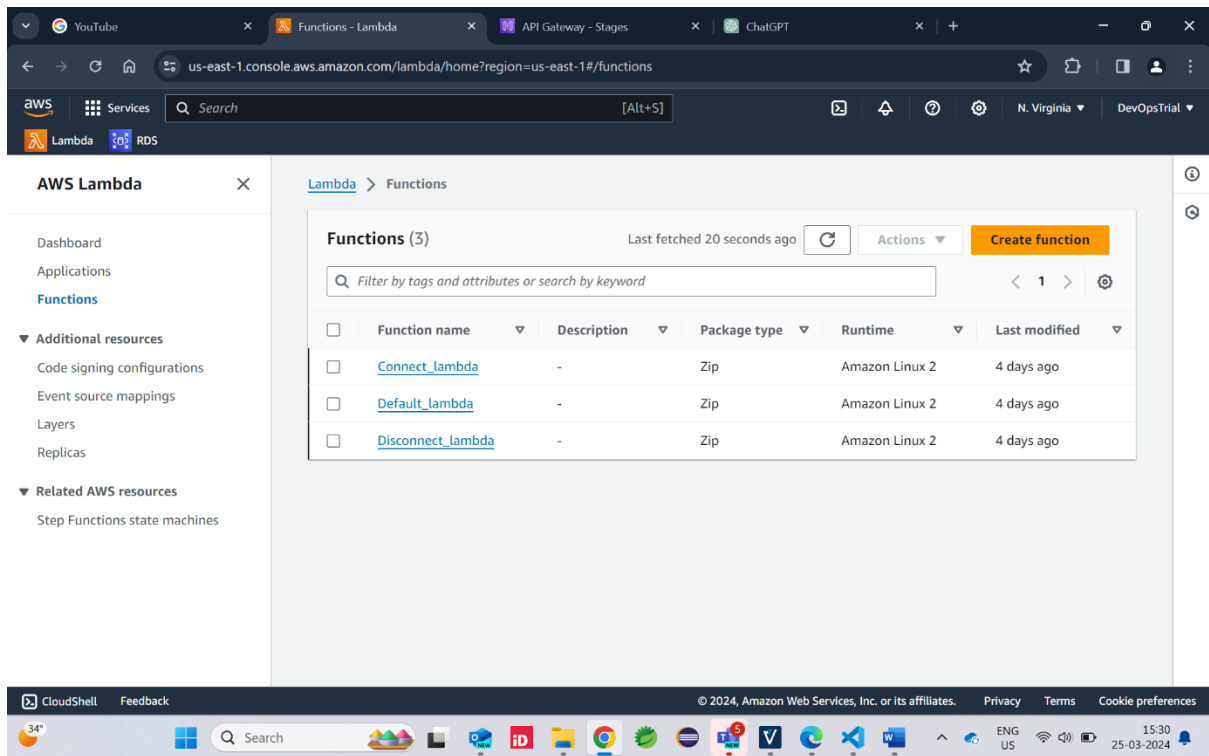
`arn:aws:execute-api:us-east-1:637423210995:6wedyto6g8/*/$connect`

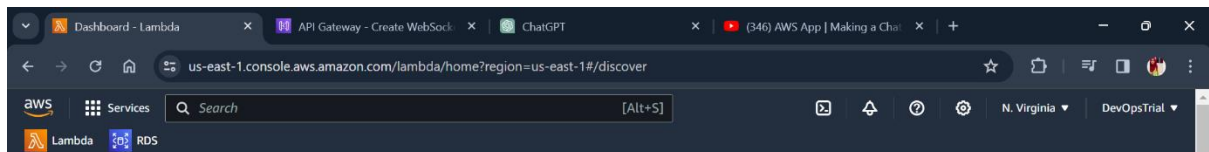
Client → Route request → Integration request →

Route request | Integration request | Integration response









AWS Lambda

- Dashboard
- Applications
- Functions
- Additional resources
 - Code signing configurations
 - Event source mappings
 - Layers
 - Replicas
- Related AWS resources
 - Step Functions state machines

Resources for US East (N. Virginia)

[Create function](#)

Lambda function(s)	Code storage	Full account concurrency	Unreserved account concurrency
3	6.2 kB (0% of 75.0 GB)	10	10

Account-level metrics

The charts below show metrics across all your Lambda functions in this AWS Region.

3h 1d 1w 3h UTC timezone

Error count and success...

No unit

1 100

No data available.
Try adjusting the dashboard time range.

0.5 50

Throttles

No unit

1

No data available.
Try adjusting the dashboard time range.

0.5

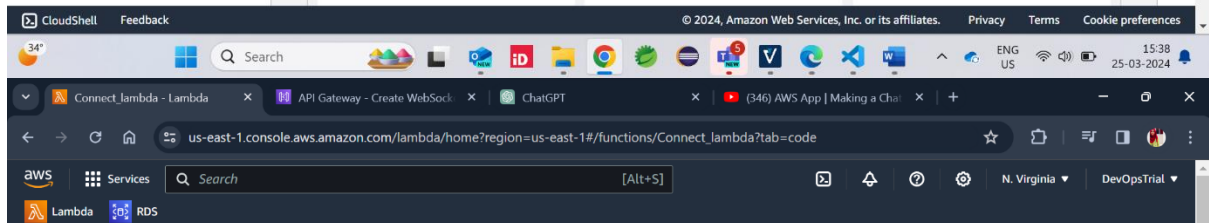
Invocations

No unit

1

No data available.
Try adjusting the dashboard time range.

0.5



Connect_lambda

Throttle Copy ARN Actions

Function overview

Export to Application Composer Download

Diagram Template

Connect_lambda

Layers (0)

API Gateway

+ Add trigger

+ Add destination

Description

Last modified 4 days ago

Function ARN
arn:aws:lambda:us-east-1:637423210995:functio:Connect_lambda

Function URL [Info](#)

Code Test Monitor Configuration Aliases Versions

Connection is established

gftsg

Open Connection

Send

Close Connection

Connection is already open

Open Connection

Send

Close Connection

Connection is closed

Open Connection

Send

Close Connection

Connection is closed. Open the connection first to send a message

Open Connection

Send

Close Connection