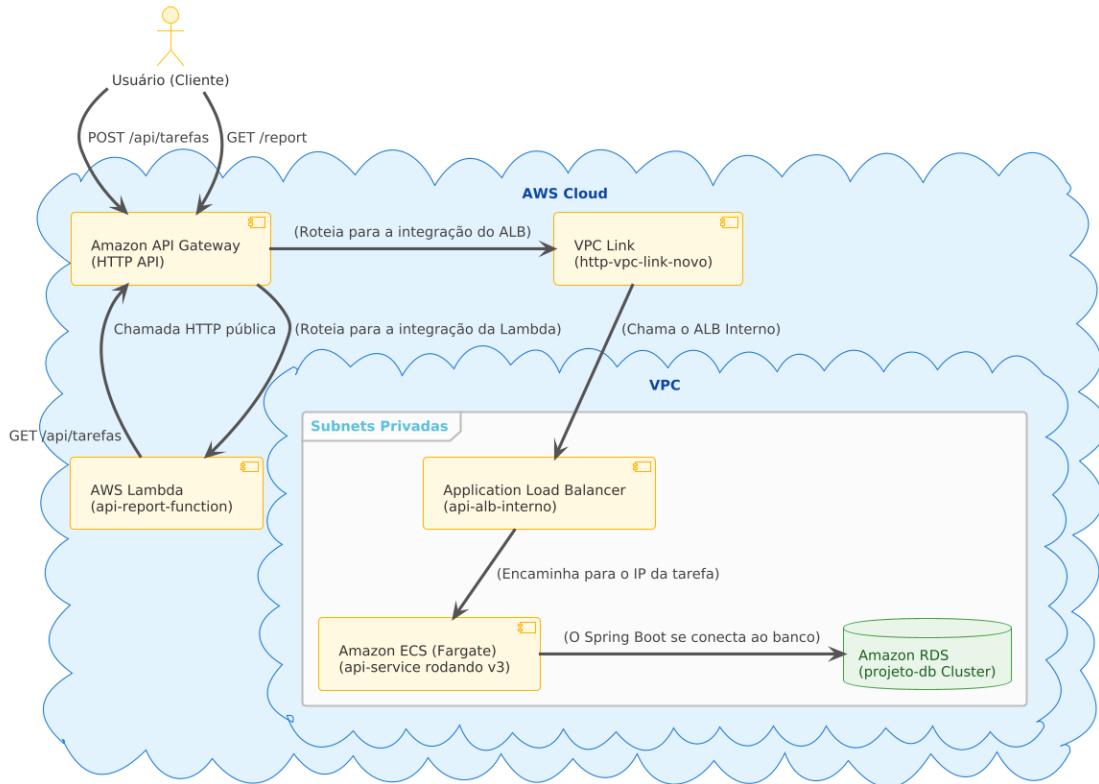


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Diagrama de arquitetura



Capturas de tela

RDS

A captura de tela mostra o painel de controle do Amazon RDS. No topo, há uma barra com o link us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#. O menu lateral esquerdo inclui opções como **Aurora and RDS**, **Databases**, **Query editor**, **Performance insights**, **Snapshots**, **Exports in Amazon S3**, **Automated backups**, **Reserved instances**, **Proxies**, **Subnet groups**, **Parameter groups**, **Option groups**, **Custom engine versions** e **Zero-ETL integrations**. A seção central intitulada **Resources** mostra informações sobre DB Instances (3/40), Parameter groups (2), DB Clusters (1/40), Snapshots (2), Recent events (4) e Event subscriptions (0/20). À direita, uma seção intitulada **Explore Aurora & RDS** fornece orientações para criar um banco de dados, com dicas de duração estimada (2-5 minutos) e um botão para iniciar um tutorial. Outras seções incluem **Recommended services** (sem recomendações) e **Recommended for you** (com opções para "Build RDS Operational Tasks").

The screenshot shows the AWS RDS console with the URL us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databases. The left sidebar under 'Aurora and RDS' has 'Databases' selected. The main area displays a table titled 'Databases (4)'. The table includes columns for DB identifier, Status, Role, Engine, Region ..., and Size. The data is as follows:

DB identifier	Status	Role	Engine	Region ...	Size
projeto-db	Available	Multi-AZ DB cluster	PostgreSQL	us-east-1	3 instances
projeto-db-instance-1	Available	Writer instance	PostgreSQL	us-east-1b	db.c6gd.medium
projeto-db-instance-2	Available	Reader instance	PostgreSQL	us-east-1a	db.c6gd.medium
projeto-db-instance-3	Available	Reader instance	PostgreSQL	us-east-1c	db.c6gd.medium

API GATEWAY

The screenshot shows the AWS API Gateway console with the URL us-east-1.console.aws.amazon.com/apigateway/main/api-detail?apiId=3y0snsnt4®ion=us-east-1. The left sidebar under 'API Gateway' has 'APIs' selected. The main area shows the 'Projeto API' details and stages.

API details:

API ID	Protocol	Created
3y0snsnt4	HTTP	2025-11-06
Description	IP address type	Default endpoint
No Description	IPv4	Enabled https://3y0snsnt4.execute-api.us-east-1.amazonaws.com

Stages for Projeto API (1):

Stage name	Invoke URL	Attached deployment	Auto deploy	Last updated
\$default	https://3y0snsnt4.execute-api.us-east-1.amazonaws.com	Oywzxp	enabled	2025-11-06

The screenshot shows the AWS API Gateway Routes page. On the left, there's a sidebar with sections for API Gateway (APIs, Custom domain names, Domain name access associations, VPC links), Develop (Routes, Authorization, Integrations, CORS, Reimport, Export), Deploy (Stages), and Monitor (CloudShell, Feedback). The main area is titled "Routes" and shows a list for the "Projeto API" API. The routes listed are: /api, /tarefas, ANY, and /{id}. There are buttons for "Create" and "Deploy". The top right shows the account ID and region.

The screenshot shows the AWS API Gateway VPC links page. The sidebar is identical to the previous screenshot. The main area is titled "VPC links" and shows a list of VPC links. One link is selected: "http-vpc-link-novo (zxt70u)". The "VPC link details" panel shows the name "http-vpc-link-novo (zxt70u)", a note that it can be used with HTTP APIs, and a "Details" section with fields: Name (ID) "http-vpc-link-novo (zxt70u)", VPC (The VPC targeted by the VPC link, "vpc-0d82c950f2093a913"), Created date ("Thursday, November 6, 2025 4:58 AM"), and Status ("Available"). Below this is a "Subnets" section with a table:

Subnet	Name	Availability Zone	Subnet IPv4 CIDR
subnet-0121ffcc5176e6fc5	vpc-3az-subnet-private3-us-east-1c	us-east-1c	10.0.160.0/20

Lambda

Screenshot of the AWS Lambda console showing the Functions list and a detailed view of the 'api-report-function'.

Functions (6)

Function name	Description	Package type	Runtime	Last modified
api-report-function	-	Zip	Python 3.13	8 hours ago
MainMonitoringFunction	-	Zip	Python 3.9	2 months ago
RedshiftOverwatch	Deletes Redshift Cluster if the count is more than 2.	Zip	Python 3.9	2 months ago
RedshiftEventSubscription	Create Redshift event subscription to SNS Topic.	Zip	Python 3.9	2 months ago
ModLabRole	updates LabRole to allow it to assume itself	Zip	Python 3.9	2 months ago
RoleCreationFunction	Create SLR if absent	Zip	Python 3.9	2 months ago

api-report-function

Function overview

Description

Last modified
8 hours ago

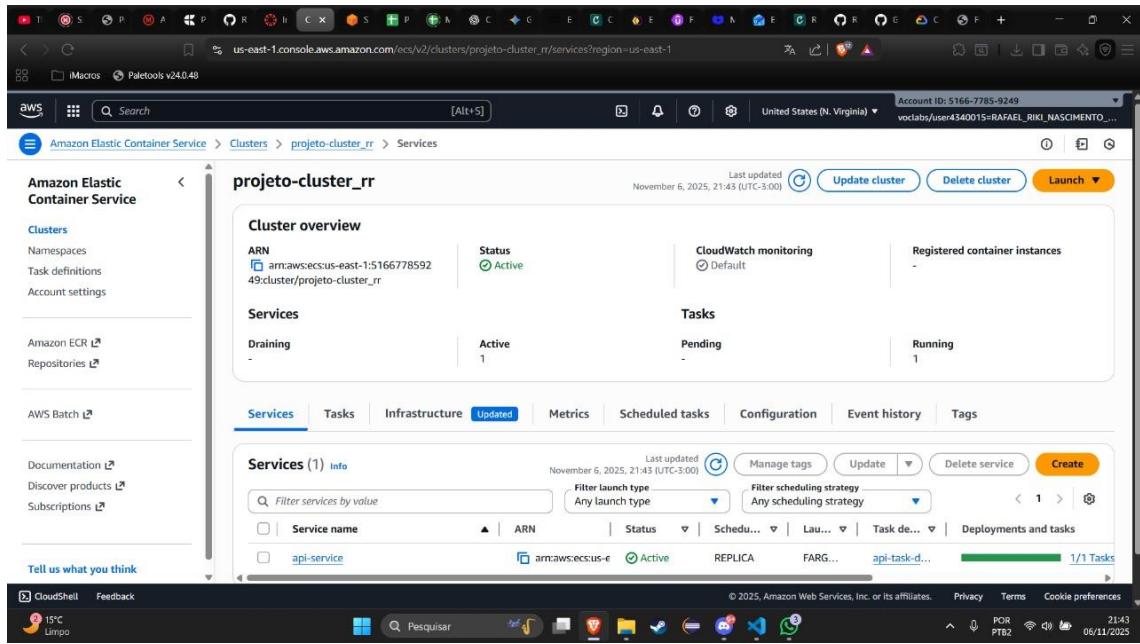
Function ARN
arn:aws:lambda:us-east-1:516677859249:function:api-report-function

Function URL

Code source

Code

ECS



Atividades de cada membro.

Rafael Riki – Responável pela parte prática, fez o backend e implementou na AWS.

Henrique Higa – Responsável pela parte teórica, ficou encarregado de fazer os entregáveis e fez o código do Lambda.