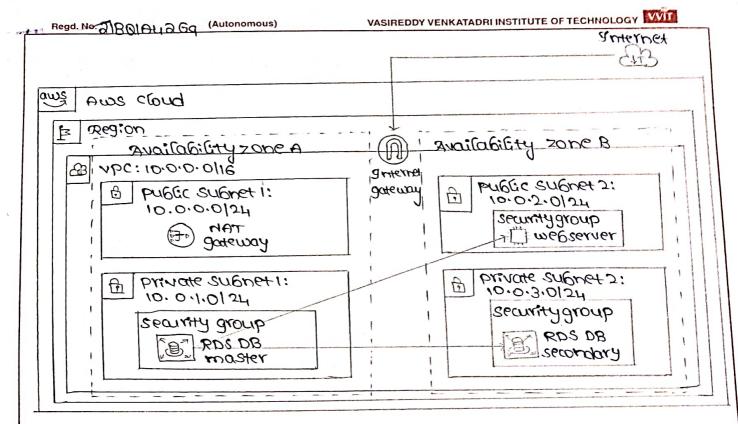
Lab-5.

Him: To build a database server and interact with our database using an APP.

## Bescription :.

Amazon relational ratabase service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while managing time-consuming database administration tasks, which allows you to focus on your applications and business. Amazon RDS provides you with six familiar database engines to choose from: Amazon Aurora, oracle, microsoft-Sel server, postgresel,

myser and mariabs. internet Fichitedure: AWS Cloud Is Region VPC:10.0.0.0116 Availability zone B SHEME public subnet 2: A public subnet 1: 10.0.5.0154 dotenon 10.0.0.0124 securitygroup HAT dogemon burate suppet 5: private subnet 1: 10.0.3.0/24 10.0.1.0124



steps tollowed for building the patabose server:

- \* click Start lab to faunch the lab
- \* wait until you see the message "Lab status: ready".
- \* choose Aws.
- Jose-1: Cléare à récruit décônt for the BDZ DB instance:
- \*In the AWS management consoleron services menu, choose upc.
- \* In navigation pane, choose security Groups.
- \* Choose create security group and then configure:
  - osecurity group name: DB security Group
  - · Description: permit access from web security Group
  - onbc: rap nbc.

\*In the Infound rulespane, choose Add rule.

\*configure the following settings:

otype: MYSQL | AUTORA (3306)

ociDRIP, security Group or prest list: Type sg and then

select mel reonlith Elonb.

\* choose create security group.

LOZE-9: CLECTE & DB ENPLET ELOND:

\* on the services menu, choose RDS.

\* In Marigation pane, choose subnet groups.

\* choose create DB subnet Group then consigure.

· Marne: DB-Subnet - Group

· Description: DB-Subnet Group

· nbc: raenbc.

\* scroll down to the Add Subnets section.

\* Expand the list of values under Availability zones and select the first two zones: us-east-laandus-east-16.

\* Expand the Get of values under subnets and CIDR ranges

\* choose create.

Task-3: create an Amazon RDS DB instance:

\* In varigation bone repose paragases.

\* choose create database.

o choose switch to the new database creation flow.

- \* Select mysol under Engine options.
- \* under Templates choose Dev/Test
- \* Under Availability and durability choose multi-Az DB instance. under settings, configure:
  - od instance identifier: Lab-db
  - o master wername: main
  - · master password: Lab password
  - · Constron password: Lab-password.
- \* under DB instance class, consigure:
  - · select Burstable classes (includest + classes)
  - oselect db.t3.micro.
- \* Under Storage, configure:
  - ostorage type: General purpose (SSD)
  - · Allocated storage: 20
- \* under connectivity, consigure:
  - o virtual private cloud (upc): lab upc
- \* under excisting upc security groups,
  - · Choose DB security Group.
  - · Deselect desault.
- \* Expand Additional configuration, then configure:
  - o gnitial database name:
  - . Un theck Enable automatic backups.
  - o uncheck Enable encryption
  - · Uncheck Ehable Enhanced monitoring.

\* Choose database

- · your database will now be Launched.
- \* choose Lab-db.

you will now need to wait approximately a minutes.

- \*Wait until infollanges to modifying or Available.
- \*scroll down to the connectivity and security section and copy the Endpoint field.
- amazonaus.com.
- \*Paste the Endpoint value into a text editor.

Task-4: Styletact with patabase:

- menu, (hoose show.
- \* open a new web browser tab, paste the webserver ip address and press enter.
- \* choose the RDS line.
- \* configure the following settings:
  - o Endpoint: paste the endpoint we copied to a text editor.
  - o Database: lab
  - · Username: main
  - · Password: Lab-password
- ochoose submit and test the web application.
- \* choose [Endiab] and then choose [yes] to consirm that we want to end the Lab.