\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* DATBASE (MySQL) \*\*\*\*\*\*\*\*private IP address: 172.31.18.102 \*\*\*\*\*\*\*\*\*\*\*\*\*

ssh ec2-user@54.224.177.26

password is DevOps321

sudo su -

dnf install mysql-server -y

systemctl start mysqld

systemctl enable mysqld

systemctl status mysqld 🡪 to check the status

ps -ef | grep mysql 🡪 to check any processes (mysql) is working or not.

netstat -lntp 🡪 to check ports status ----mysqld default port number is 3306

sudo su -

mysql\_secure\_installation --set-root-pass ExpenseApp@1

mysql -h <host-address> -u root -p<password> 🡪 to login to the database but client and server both are located in the same server so we are not using this command line.

mysql

show databases; 🡪 dispays the schema/database available

use <database-name>; 🡪 you are using that schema

use mysql

show tables; 🡪 display all the tables in the schema

select \* from <table-name>; 🡪 display the data inside table

exit;

mysqld default port number is 3306

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\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* BACKEND \*\*\*\*\*\*\*\*\*\*private IP address: 172.31.92.96 \*\*\*\*\*\*\*\*\*\*\*\*\*

ssh ec2-user@ 52.90.79.129

password is DevOps321

sudo su -

dnf list available | grep nodejs 🡪 To check which version is available in our server

**dnf module disable nodejs -y**

**dnf module enable nodejs:20 -y**

dnf list available | grep nodejs

dnf install nodejs –y

useradd expense

mkdir /app

curl -o /tmp/backend.zip https://expense-builds.s3.us-east-1.amazonaws.com/expense-backend-v2.zip

cd /app

unzip /tmp/backend.zip

ls -l

npm install 🡪 this command looks for package.json folder

ls -l

**cd node\_modules/** 🡪 Here all dependencies are listed which are downloaded for nodejs using npm package.json

vim /etc/systemd/system/backend.service

[Unit]

Description = Backend Service

[Service]

User=expense

Environment=DB\_HOST="mysql.psk135.tech"

ExecStart=/bin/node /app/index.js

SyslogIdentifier=backend

[Install]

WantedBy=multi-user.target

systemctl daemon-reload

systemctl start backend

systemctl enable backend

systemctl status backend

dnf install mysql -y

mysql -h mysql.psk135.tech -u root -pExpenseApp@1

mysql -h mysql.psk135.tech -u root -pExpenseApp@1 < /app/schema/backend.sql

systemctl daemon-reload

systemctl restart backend

systemctl status backend

Node default port number is 8080

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\*\*\*\*\*\*\*\*\*\***Frontend server (or) web server**\*\*\*\*\*\*\*\*\*\***private IP address: 172.31.93.152** \*\*\*\*\*

ssh ec2-user@ 44.202.123.183

sudo Su -

dnf install nginx -y

systemctl enable nginx

systemctl start nginx

systemctl status nginx

netstat -lntp

cd /usr/share/nginx/

rm -rf /usr/share/nginx/html/\*

cd

curl -o /tmp/frontend.zip https://expense-builds.s3.us-east-1.amazonaws.com/expense-frontend-v2.zip

cd /usr/share/nginx/html

unzip /tmp/frontend.zip

systemctl restart nginx

vim /etc/nginx/default.d/expense.conf

proxy\_http\_version 1.1;

location /api/ { proxy\_pass http://backend.psk135.tech:8080/; }

location /health {

stub\_status on;

access\_log off;

}

systemctl restart nginx

Ngenix default port number is 80

If <http://psk135.tech> is accessible, project is completed.

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