#Update ec2 server

sudo yum update -y

#Install Apache

sudo yum install httpd -y

sudo systemctl start httpd

sudo systemctl enable httpd

#Install PHP version 8

sudo yum install php -y

#Install php extension

sudo yum install php php-fpm php-mysqlnd php-bcmath php-ctype php-fileinfo php-json php-mbstring php-openssl php-pdo php-gd php-tokenizer php-xml -y

#Install the MySQL Community repository

sudo wget https://dev.mysql.com/get/mysql80-community-release-el9-1.noarch.rpm

#install MySQL Version 8

sudo dnf install mysql80-community-release-el9-1.noarch.rpm -y

dnf repolist enabled | grep "mysql.\*-community.\*" -y

sudo dnf install mysql-community-server -y

#Start the MySQL server

sudo systemctl start mysqld

sudo mysql -V

#Enable PHP\_CURL Module

sudo yum install php-curl -y

#To edit the php.ini file

sudo sed -i 's/^max\_execution\_time = .\*/max\_execution\_time = 300/' /etc/php.ini

#USE THIS CODE TO SEARCH FOR THE PHP.INI FILE# (OPTIONAL)

cat php.ini | grep memory\_limit

cat php.ini | grep max-execution\_time

#Enable mod\_rewrite on ec2 linux, add apache to group, and restart server

sudo sed -i '/<Directory "\/var\/www\/html">/,/<\/Directory>/ s/AllowOverride None/AllowOverride All/' /etc/httpd/conf/httpd.conf

sudo service httpd restart

#download the nest zip from s3 to the html derectory on the ec2 instance

sudo aws s3 sync s3://kachi-nest-web-files /var/www/html

#unzip the nest zip folder

cd /var/www/html

sudo unzip nest-app.zip

#move all the files and folder from the nest-app directory to the html directory

sudo mv nest-app/\* /var/www/html

#move all the hidden files from the nest-app diretory to the html directory

sudo mv nest-app/.editorconfig /var/www/html

sudo mv nest-app/.env /var/www/html

sudo mv nest-app/.env.example /var/www/html

sudo mv nest-app/.gitattributes /var/www/html

sudo mv nest-app/.gitignore /var/www/html

sudo mv nest-app/.htaccess /var/www/html

#delete the nest and nest.zip folder

sudo rm -rf nest-app nest-app.zip

#Set permissions 777 for the '/var/www/html' directory and the storage/' directory

sudo chmod -R 777 /var/www/html

sudo chmod -R 777 storage/

#Restart Apache server

sudo service httpd restart

-Create an S3 bucket and upload the SQL (Script) file.

-S3Role

-Ec2 endpoint connect

**GO TO HOME DIRECTORY**

MIGRATING SGQL DATA TO RDS WITH FLYWAY

#Download fly

wget -qO- https://repo1.maven.org/maven2/org/flywaydb/flyway-commandline/9.22.3/flyway-commandline-9.22.3-linux-x64.tar.gz | tar -xvz && sudo ln -s `pwd`/flyway-9.22.3/flyway /usr/local/bin

cd flyway-9.22.3

NOTE: To run the flyway commands you must be in the flyway directory

#delete flyway default sql directory

rm -rf sql

#create own sql directory

mkdir sql

#copy sql file from S3 to sql directory in flyway

aws s3 cp s3://kach-nest-sql-srcipt/V1\_\_nest.sql /home/ec2-user/flyway-9.22.3/sql

#Migrates data to database

flyway -url=jdbc:mysql://kachi-rds-db.cso3n7l0ywqv.eu-west-2.rds.amazonaws.com:3306/applicationdb \

-user=cach \

-password=Ebunoluwa \

-locations=filesystem:sql \

migrate

#TO EDIT THE .env FILE

cd /var/www/html

nano .env

APP\_URL=enter your domain name

ii. DB\_HOST=enter your RDS Endpoint

iii. DB\_DATABASE=enter your RDS database name

iv. DB\_USERNAME=enter your RDS username name

v. DB\_PASSWORD=enter your RDS database password

-Create target group

-Create Application Load Balance

-Route 53

-Create HTTPS listerner

#To Edit the AppServiceProvider.Phpfile

cd /var/www/html

nano .env

Ls

Cd app

Ls

Cd Providers

Ls

Type: sudo vi AppServiceProvider.php

Copy and paste:

if (env('APP\_ENV') === 'production') {\Illuminate\Support\Facades\URL::forceScheme('https');}

-Create Launch template

-Create Auto Scaling Group