# This command indicates that the script should be interpreted and executed using the Bash shell

#!/bin/bash

# This command updates all the packages on the server to their latest versions

sudo yum update -y

# This series of commands installs the Apache web server, enables it to start on boot, and then starts the server immediately

sudo yum install -y httpd

sudo systemctl enable httpd

sudo systemctl start httpd

# This command installs PHP along with several necessary extensions for the application to run

sudo dnf install -y \

php \

php-pdo \

php-openssl \

php-mbstring \

php-exif \

php-fileinfo \

php-xml \

php-ctype \

php-json \

php-tokenizer \

php-curl \

php-cli \

php-fpm \

php-mysqlnd \

php-bcmath \

php-gd \

php-cgi \

php-gettext \

php-intl \

php-zip

## These commands Installs MySQL version 8

# Install the MySQL Community repository

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

#

# Install the MySQL server

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

sudo rpm --import https://repo.mysql.com/RPM-GPG-KEY-mysql-2023

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

sudo dnf install -y mysql-community-server

#

# Start and enable the MySQL server

sudo systemctl start mysqld

sudo systemctl enable mysqld

# This command enables the 'mod\_rewrite' module in Apache on an EC2 Linux instance. It allows the use of .htaccess files for URL rewriting and other directives in the '/var/www/html' directory

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

# Environment Variable

S3\_BUCKET\_NAME= ovia-dynamic-aws

# This command downloads the contents of the specified S3 bucket to the '/var/www/html' directory on the EC2 instance

sudo aws s3 sync s3://"$S3\_BUCKET\_NAME" /var/www/html

# This command changes the current working directory to '/var/www/html', which is the standard directory for hosting web pages on a Unix-based server

cd /var/www/html

# This command is used to extract the contents of the application code zip file that was previously downloaded from the S3 bucket

sudo unzip shopwise.zip

# This command recursively copies all files, including hidden ones, from the 'shopwise' directory to the '/var/www/html/'

sudo cp -R shopwise/. /var/www/html/

# This command permanently deletes the 'shopwise' directory and the 'shopwise.zip' file.

sudo rm -rf shopwise shopwise.zip

# This command 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/

# This command will open the vi editor and allow you to edit the .env file to add your database credentials

sudo vi .env

# This command will restart the Apache server

sudo service httpd restart