LAMP environment configuration on EC2 instance.

Launch an EC2 instance and connect to it.

#sudo -i

#yum update

Install the mariadb10.5 Amazon Linux Extras repositories to get the latest version of the MariaDB package.

#amazon-linux-extras install mariadb10.5

Install the php8.2 Amazon Linux Extras repositories to get the latest version of the PHP package for Amazon Linux 2.

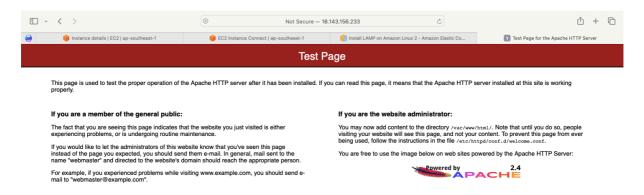
#amazon-linux-extras install php8.2

Install httpd package #yum install -y httpd

Start https service and enable it.

#systemctl start httpd #systemctl enable httpd #systemctl status httpd

hit PublicIP

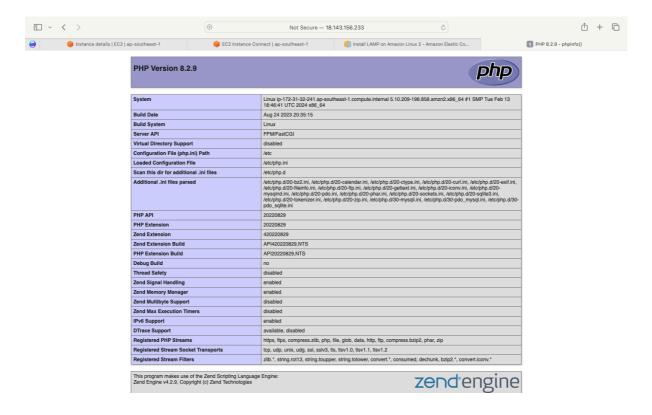


To test your LAMP server

#echo "<?php phpinfo(); ?>" > /var/www/html/phpinfo.php

[root@ip-172-31-32-241 ~]# echo "<?php phpinfo(); ?>" > /var/www/html/phpinfo.php

hit PublicIp/phpinfo.php



Start mariadb service.

#systemctl start mariadb #mysql_secure_installation

Follow below steps and save changes.

Type the current root password. By default, the root account does not have a password set. Press Enter.

Type Y to set a password, and type a secure password twice

- Type Y to remove the anonymous user accounts
- Type Y to disable the remote root login.
- Type Y to remove the test database
- Type Y to reload the privilege tables and save your changes.

```
[root@ip-172-31-32-241 ~]# systemctl start mariadb [root@ip-172-31-32-241 ~]# mysql_secure_installation
NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!
In order to log into MariaDB to secure it, we'll need the current password for the root user. If you've just installed MariaDB, and haven't set the root password yet, you should just press enter here.
Enter current password for root (enter for none): OK, successfully used password, moving on...
Setting the root password or using the unix_socket ensures that nobody can log into the MariaDB root user without the proper authorisation.
You already have your root account protected, so you can safely answer 'n'.
Switch to unix_socket authentication [Y/n] y
Enabled successfully!
Reloading privilege tables..
 ... Success!
You already have your root account protected, so you can safely answer 'n'.
Change the root password? [Y/n] y
Change the L.
New password:
Re-enter new password:
Sorry, passwords do not match.
New password:
Re-enter new password:
Password updated successfully!
Reloading privilege tables..
... Success!
```