LAMP Setup on Amazon EC2

Install the packages

- # yum update -y
- **Install Apache :**
- # yum install httpd -y
- # sudo yum install -y httpd httpd-tools mod_ssl
- # sudo systemctl enable httpd
- # sudo systemctl start httpd

Install PHP

- # sudo yum install amazon-linux-extras -y
- To check the available packages
- # sudo amazon-linux-extras | grep php
- Enable PHP version
- # sudo amazon-linux-extras enable php7.4
- # yum clean metadata
- # yum install php-cli php-pdo php-fpm php-json php-mysqlnd
- # sudo yum install php php-common php-pear (OPTIONAL)
- # sudo yum install php-{cgi,curl,mbstring,gd,mysqlnd,gettext,json,xml,fpm,intl,zip} (OPTIONAL)

To verify PHP and Apache installation

- # echo "<?php phpinfo(); ?>" > /var/www/html/info.php
- # sudo systemctl restart httpd
- Browse the web URL to check
- http://100.26.5.183/info.php

Install MySQL :

- # sudo rpm -Uvh https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm
- # sudo yum install mysql-community-server
- # sudo systemctl enable mysqld
- # sudo systemctl start mysqld

To get the temporary password :

- # sudo grep 'temporary password' /var/log/mysqld.log

Post installation setup

- # sudo mysql_secure_installation

Connect to the Database

- # mysql -u root -p

LAMP using default MariaDB :

You can follow the link for complete installation steps

- # sudo yum update -y
- # sudo amazon-linux-extras install -y lamp-mariadb10.2-php7.2 php7.2
- # sudo yum install -y httpd mariadb-server
- # yum info httpd
- # yum info php
- # yum info mariadb-server
- # sudo systemctl start httpd
- # sudo systemctl enable httpd
- # sudo systemctl is-enabled httpd
- # sudo systemctl status httpd
- # sudo systemctl enable mariadb
- # sudo systemctl start mariadb
- # sudo systemctl status mariadb

To verify PHP and Apache installation

- # echo "<?php phpinfo(); ?>" > /var/www/html/phpinfo.php
- # sudo systemctl restart httpd
- Browse the web URL to check
- http://100.26.5.183/phpinfo.php

Secure the database server :

- # sudo systemctl start mariadb
- # sudo mysql_secure_installation
- Ten you enter a password for the root user and enter Y for all other option

Connect to the Database

- # mysql -u root -p
- By default no paasword fpr MiriaDB
- You can set an enter the password
- Its fully compatible with MySQl so you can use same MySQl commands to operate the MiraDB

Enabling Remote Access :

- create user 'admin'@'%' identified by 'Welcome@123';
- grant all on *.* to 'admin'@'%';