**LAMP & LEMP Installation in Centos/RHEL/Amazon Linux**

**LAMP Definition:**

LAMP is an open source Web development platform that uses Linux as the operating system, Apache as the Web server, MySQL as the relational database management system and PHP as the object-oriented scripting language.

**LEMP Definition:**

LEMP (also known as LNMP) is a group of open-source software which enable a server to host dynamic websites and web applications. It consists of the Linux operating system, the (E)Nginx web server (which replaces the Apache component of a LAMP stack), the MySQL relational database management system, and the PHP programming language.

For configuring LAMP & LEMP follow the below steps:

* To update packages

**yum update**

* To install apache web server in centos/rhel/amazon linux use the below command

**yum install httpd**

* To install Mysql-server

**yum install mysql-server** (If you face any error i.e, package not found for that we need to download the mysql yum repositories).

* To set mysql username and password use the below command after installing mysql

**mysql\_secure\_installation**

* For downloading mysql repositories

**wget http://repo.mysql.com/mysql-community-release-el7-5.noarch.rpm**

**sudo rpm -ivh mysql-community-release-el7-5.noarch.rpm**

**yum update**

* If you not find the wget package you can install using **yum install wget**
* After installing the mysql now you can install php

**yum install php (if you need any specific version you have to mention like yum install php56)**

* For php info page we need to create one file under the deployment directory.

**vi info.php** (and place the following code in that file)

 <?**php** phpinfo(); ?>

* For PHPMYADMIN configuration

**yum install epel-release**

**yum install phpmyadmin**

**vi /etc/httpd/conf.d/phpMyAdmin.conf** (Give the permissions to access in browser)

Reference Link:

<https://www.digitalocean.com/community/tutorials/how-to-install-and-secure-phpmyadmin-with-apache-on-a-centos-7-server>

* To Install Nginx

**yum install Nginx**

* Configuring wordpress.

First we need to download the wordpress file and extract.

* wget <https://wordpress.org/latest.zip>
* for unzip use the command ( unzip filename)
* If the unzip package is not found you can install using the following command

apt install unzip

* Now you can a wordpress folder. Navigate to wordpress folder and give the db connections in wp-config.php file.
* To install JDK

**yum install java-1.8.0-openjdk-devel**

* To install oracle JDK refer the below links to configure.

<https://tecadmin.net/install-java-8-on-centos-rhel-and-fedora/>