

# Linux Apache MariaDB PHP (LAMP) Setup

Version 1.0

## Introduction

The document is about how to setup LAMP on the retreat development.

## Linux Setup

The Linux host is currently running on Virtualbox Virtual Machine (VM) on the Solaris 10 platform. It can be running on the physical host or container VM as well.

To run the CentOS 7 with the latest update, the first step is to update Extra Packages for Enterprise Linux (EPEL) first:

```
yum install -y epel-release
```

Then, update the entire OS and its environment if there are updates:

```
yum update -y
```

## Apache Setup

To install the Apache version web server on the Linux environment, the following shows the steps:

1. Install httpd:

```
yum install -y httpd
```

2. Install SSL support:

```
yum install -y mod_ssl
```

3. Enable and start the http service:

```
systemctl enable httpd.service; systemctl start httpd
```

## MariaDB Setup

The installation for MariaDB is:

```
yum install -y mariadb-server mariadb
```

Enable and start the database service:

```
systemctl enable mariadb; systemctl start mariadb
```

## PHP Setup

The PHP installation is listed below:

```
rpm -Uvh http://rpms.remirepo.net/enterprise/remi-release-7.rpm  
yum-config-manager --enable remi-php74  
yum -y install php php-opcache
```

## phpMyAdmin Setup

The database UI interface that is written by PHP and the installation is:

```
yum -y install phpMyAdmin
```

## References

- <https://www.linuxtechi.com/install-php-7-centos-7-rhel-7-server/>
- [How to install Apache, PHP 7.1 and MySQL on CentOS 7.4 \(LAMP\) \(howtoforge.com\)](#)