

# **LAMP STACK INSTALLATION**

Networking and System Administration Lab

Submitted By

Adarsh V

Roll NO: 4

MCA A batch

# Linux, Apache, MySQL, PHP (LAMP)

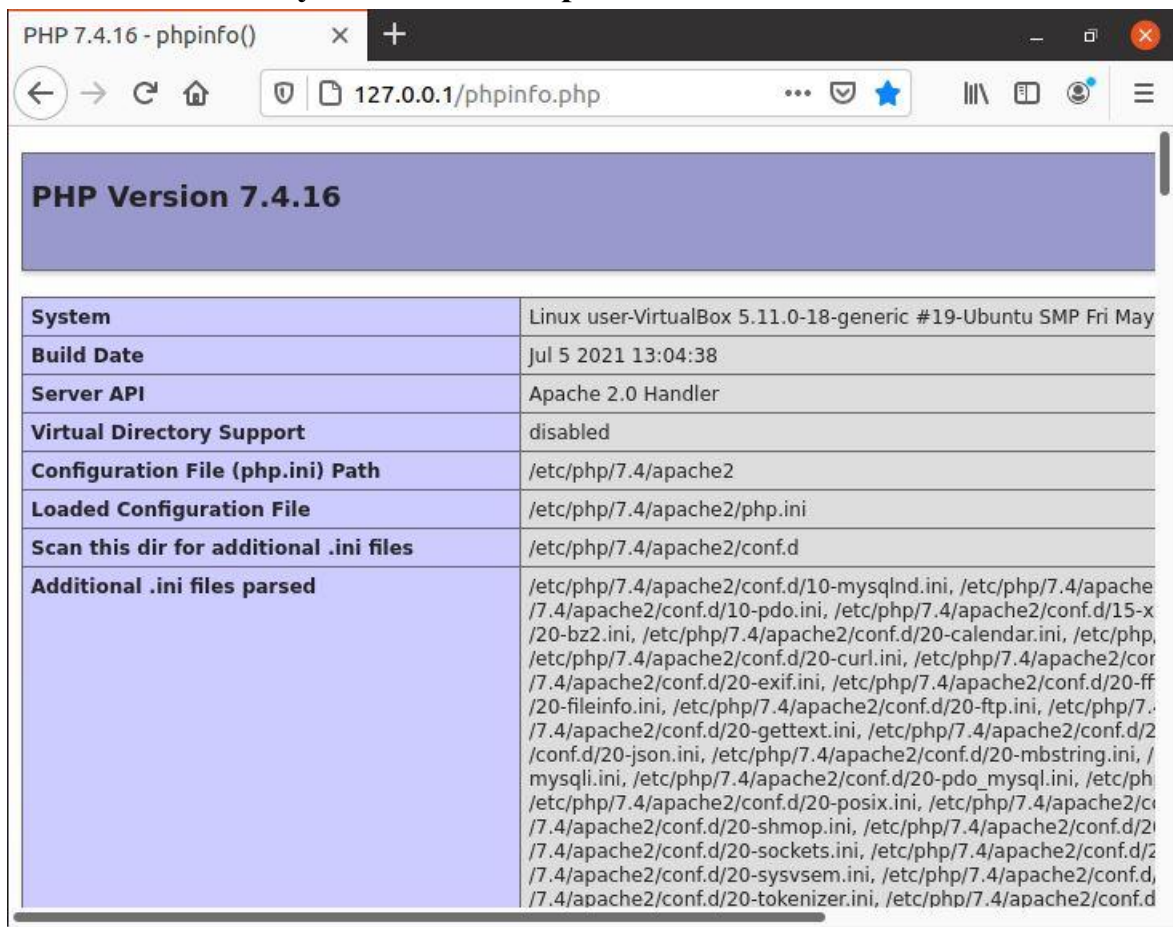
## 1. Installation of Apache

**sudo apt-get install apache2**

Press y (yes) and hit ENTER to permit the installation

Check if Apache is installed correctly by running the Apache service status. Use the following the command:

**sudo systemctl status apache2**



## 2. Installation of MariaDB

MariaDB is an open source relational database management system (RDBMS)

**sudo apt install mariadb-server mariadb-client**

Check mariadb Installation

**sudo systemctl status mysql**

```

user@user-VirtualBox:~$ sudo apt-get install mariadb-server mariadb-client
E: dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to correct the problem.
user@user-VirtualBox:~$ sudo apt-get install mariadb-server mariadb-client
E: dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to correct the problem.
user@user-VirtualBox:~$ sudo dpkg --configure -a
Setting up man-db (2.9.4-2) ...
Building database of manual pages ...
man-db.service is a disabled or a static unit not running, not starting it.
Processing triggers for libc-bin (2.33-0ubuntu5) ...
user@user-VirtualBox:~$ sudo apt-get install mariadb-server mariadb-client
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mariadb-client is already the newest version (1:10.5.12-0ubuntu0.21.04.1).
mariadb-server is already the newest version (1:10.5.12-0ubuntu0.21.04.1).
0 upgraded, 0 newly installed, 0 to remove and 236 not upgraded.
user@user-VirtualBox:~$ sudo systemctl status mysql
● mariadb.service - MariaDB 10.5.12 database server
   Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2021-09-29 16:02:10 IST; 4min 17s ago
     Docs: man:mariadb(8)
           https://mariadb.com/kb/en/library/systemd/
   Main PID: 780 (mariadb)
   Status: "Taking your SQL requests now..."
    Tasks: 10 (limit: 4635)
   Memory: 94.3M

```

### 3. Install PHP

**sudo apt install php libapache2-mod-php php-opcache  
php-cli php-gd php-curl php-mysql**

Restart apache2

**sudo systemctl restart apache2**

Check Installation by

open <http://127.0.0.1/phpinfo.php> in any browser

```

user@user-VirtualBox:~$ sudo apt install php libapache2-mod-php php-opcache php
-cli php-gd php-curl php-mysql
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'php7.4-opcache' instead of 'php-opcache'
libapache2-mod-php is already the newest version (2:7.4+76ubuntu1).
php is already the newest version (2:7.4+76ubuntu1).
php-cli is already the newest version (2:7.4+76ubuntu1).
php-curl is already the newest version (2:7.4+76ubuntu1).
php-gd is already the newest version (2:7.4+76ubuntu1).
php-mysql is already the newest version (2:7.4+76ubuntu1).
php7.4-opcache is already the newest version (7.4.16-1ubuntu2.1).
0 upgraded, 0 newly installed, 0 to remove and 236 not upgraded.
user@user-VirtualBox:~$ sudo systemctl restart apache2
user@user-VirtualBox:~$

```

#### 4. Install phpmyadmin

**sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json  
php-curl**

Restart apache2

**sudo systemctl restart apache2**

check phpmyadmin

Open a browser

http://localhost/phpmyadmin

username : root

password : yourpassword

