

# ADVANCED COMPUTER NETWORKS

## LAB ASSIGNMENT 7

TOPIC: - LAMP Installation

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## Install Apachet

### .Update your system

sudo apt update

### . Install Apache using apt:

sudo apt install apache2

### . Confirm that Apache is now running with the following command:

sudo systemctl status apache2

### if it is not working

sudo systemctl start apache2

```
user@user-VirtualBox:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2021-09-29 12:41:39 IST; 4min 43s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 3464 (apache2)
    Tasks: 6 (limit: 1124)
   Memory: 15.2M
   CGroup: /system.slice/apache2.service
           └─3464 /usr/sbin/apache2 -k start
             └─3496 /usr/sbin/apache2 -k start
               └─3497 /usr/sbin/apache2 -k start
                 └─3498 /usr/sbin/apache2 -k start
                   └─3499 /usr/sbin/apache2 -k start
                     └─3500 /usr/sbin/apache2 -k start

Sep 29 12:41:38 user-VirtualBox systemd[1]: Starting The Apache HTTP Server...
Sep 29 12:41:39 user-VirtualBox apachectl[3463]: AH00558: apache2: Could not r
Sep 29 12:41:39 user-VirtualBox systemd[1]: Started The Apache HTTP Server.
lines 1-18/18 (END)
```

Once installed, test by accessing your server's IP in your browser:

http://youripaddress

( find out your ipaddress using ifconfig)



## 2.Install mariaDB

sudo apt install mariadb-server mariadb-client

### Check mariadb Installation

sudo systemctl status mysql

(if it is not working sudo systemctl start mysql )

```

user@user-VirtualBox:~$ sudo systemctl status mysql
● mariadb.service - MariaDB 10.3.31 database server
   Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2021-09-29 13:28:34 IST; 27min ago
     Docs: man:mysqld(8)
           https://mariadb.com/kb/en/library/systemd/
  Process: 644 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var>
  Process: 657 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_ST>
  Process: 659 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] &&>
  Process: 903 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_S>
  Process: 905 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/>
 Main PID: 731 (mysqld)
    Status: "Taking your SQL requests now..."
     Tasks: 30 (limit: 1124)
    Memory: 7.6M
    CGroup: /system.slice/mariadb.service
            └─731 /usr/sbin/mysqld

Sep 29 13:28:24 user-VirtualBox systemd[1]: Starting MariaDB 10.3.31 database s>
Sep 29 13:28:29 user-VirtualBox mysqld[731]: 2021-09-29 13:28:29 0 [Note] /usr>
Sep 29 13:28:34 user-VirtualBox systemd[1]: Started MariaDB 10.3.31 database s>
Sep 29 13:28:34 user-VirtualBox /etc/mysql/debian-start[907]: Upgrading MySQL>
Sep 29 13:28:35 user-VirtualBox /etc/mysql/debian-start[910]: Looking for 'mys>
Sep 29 13:28:35 user-VirtualBox /etc/mysql/debian-start[910]: Looking for 'mys>
Sep 29 13:28:35 user-VirtualBox /etc/mysql/debian-start[910]: This installatio>
Sep 29 13:28:35 user-VirtualBox /etc/mysql/debian-start[929]: Checking for ins>
Sep 29 13:28:35 user-VirtualBox /etc/mysql/debian-start[933]: Triggering myisa>

```

### 3.Install PHP and commonly used modules

```
sudo apt install php libapache2-mod-php php-opcache
```

```
php-cli php-gd php-curl php-mysql
```

#### Restart apache2

```
sudo systemctl restart apache2
```

#### Now you can check php installation

```
sudo echo "<?php phpinfo(); ?>" | sudo tee -a
```

```
/var/www/html/phpinfo.php > /dev/null
```

```

user@user-VirtualBox:~$ sudo echo "<?php phpinfo();" ?>|sudo tee -a /var/www/ht
ml/phpinfo.php> /dev/null
user@user-VirtualBox:~$

```



<http://127.0.0.1/phpinfo.php>



<http://localhost/phpmyadmin>

```
username : root
```

```
password : yourpassword
```

