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

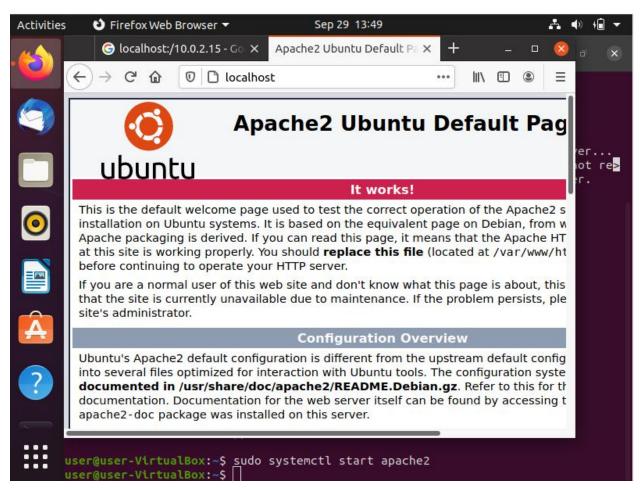
```
user@user-VirtualBox:~$ sudo systemctl status apache2
 apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor pres>
    Active: active (running) since Wed 2021-09-29 12:41:39 IST; 4min 43s ago
       Docs: https://httpd.apache.org/docs/2.4/
  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 iffconfig)



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-VirtualBox:~$ sudo systemctl status mysql
 mariadb.service - MariaDB 10.3.31 database server
    Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor pres>
    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 -q 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
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>
  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

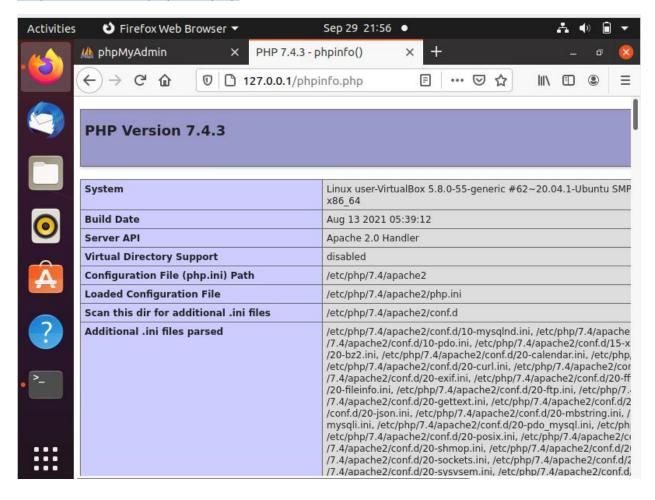
Now you can check php installation

```
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:~$
```

Open a browser

http://127.0.0.1/phpinfo.php



Check phpmyadmin

Open a browser

http://localhost/phpmyadmin

username: root

password: yourpassword

