

ASSIGNMENT

Submitted by:

Jeena Mathew

S2RMCA_A

Rollno:42

Install Apache

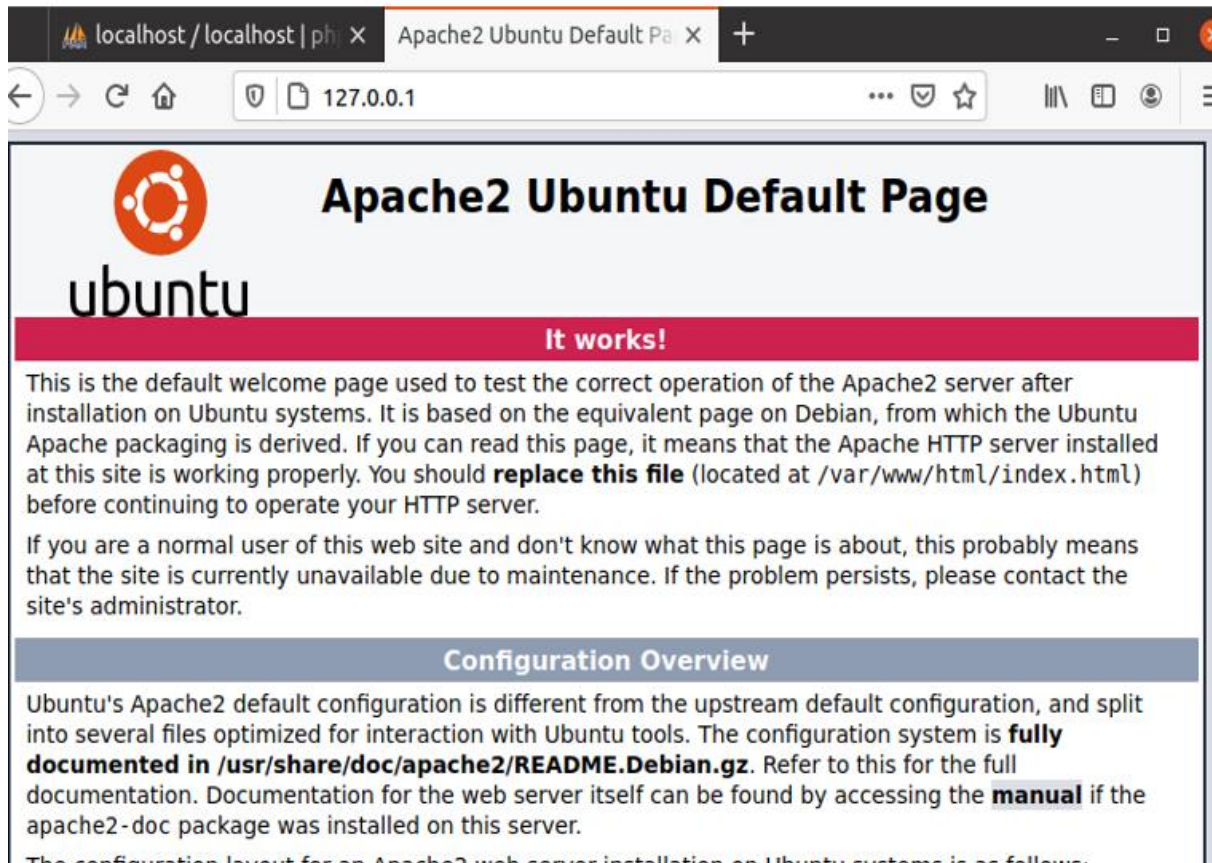
- Update your system
sudo apt update
- Install Apache using apt:
sudo apt install apache2
- sudo systemctl status apache2
- sudo systemctl start apache2

```
jeenamathew@jeenamathew-VirtualBox:~$ sudo systemctl status apache2
[sudo] password for jeenamathew:
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor prese
   Active: active (running) since Wed 2021-09-29 05:39:00 EDT; 32min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 27893 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S
 Main PID: 27900 (apache2)
    Tasks: 11 (limit: 2316)
   Memory: 54.3M
   CGroup: /system.slice/apache2.service
           └─27900 /usr/sbin/apache2 -k start
             └─27901 /usr/sbin/apache2 -k start
               └─27902 /usr/sbin/apache2 -k start
                 └─27903 /usr/sbin/apache2 -k start
                   └─27905 /usr/sbin/apache2 -k start
                     └─27936 /usr/sbin/apache2 -k start
                       └─27940 /usr/sbin/apache2 -k start
                         └─27941 /usr/sbin/apache2 -k start
                           └─27942 /usr/sbin/apache2 -k start
                             └─27943 /usr/sbin/apache2 -k start
                               └─27977 /usr/sbin/apache2 -k start

Sep 29 05:39:00 jeenamathew-VirtualBox systemd[1]: Starting The Apache HTTP Ser
Sep 29 05:39:00 jeenamathew-VirtualBox apachectl[27897]: [Wed Sep 29 05:39:00.3
lines 1-23...skipping...
● 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 05:39:00 EDT; 32min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 27893 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 27900 (apache2)
    Tasks: 11 (limit: 2316)
   Memory: 54.3M
   CGroup: /system.slice/apache2.service
           └─27900 /usr/sbin/apache2 -k start
             └─27901 /usr/sbin/apache2 -k start
               └─27902 /usr/sbin/apache2 -k start
                 └─27903 /usr/sbin/apache2 -k start
                   └─27905 /usr/sbin/apache2 -k start
                     └─27936 /usr/sbin/apache2 -k start
                       └─27940 /usr/sbin/apache2 -k start
                         └─27941 /usr/sbin/apache2 -k start
                           └─27942 /usr/sbin/apache2 -k start
```

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

http://youripaddress



Install mariadb

- `sudo apt install mariadb-server mariadb-client`

Check mariadb Installation

- `sudo systemctl status mysql`

```
jeenamathew@jeenamathew-VirtualBox:~$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2021-09-29 04:43:20 EDT; 1h 30min ago
     Main PID: 752 (mysqld)
    Status: "Server is operational"
       Tasks: 39 (limit: 2316)
      Memory: 271.5M
        CGroup: /system.slice/mysql.service
                └─752 /usr/sbin/mysqld

Sep 29 04:43:07 jeenamathew-VirtualBox systemd[1]: Starting MySQL Community Server...
Sep 29 04:43:20 jeenamathew-VirtualBox systemd[1]: Started MySQL Community Server.
jeenamathew@jeenamathew-VirtualBox:~$
```

Install PHP and commonly used modules

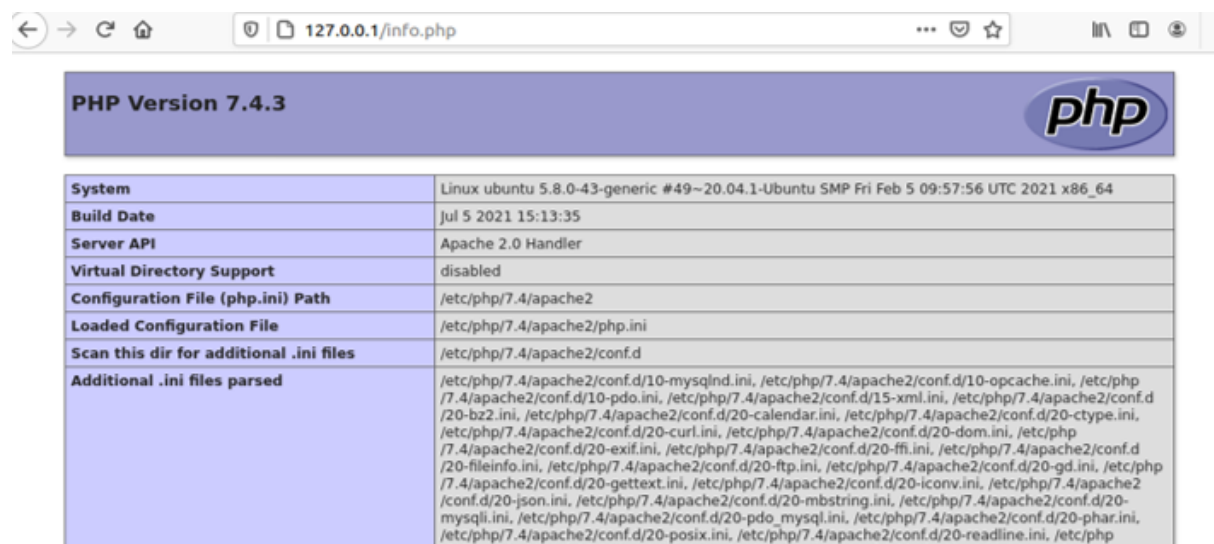
- `sudo apt install php libapache2-mod-php php-openssl php-cli php-gd php-curl php-mysql`
- Restart apache2
- `sudo systemctl restart apache2`

Now you can check php installation

`sudo echo "<?php phpinfo(); ?>" | sudo tee -a /var/www/html/phpinfo.php > /dev/null`

```
jeenamathew@jeenamathew-VirtualBox:~$ php -v
PHP 7.4.3 (cli) (built: Aug 13 2021 05:39:12) ( NTS )
Copyright (c) The PHP Group
Zend Engine v3.4.0, Copyright (c) Zend Technologies
    with Zend OPcache v7.4.3, Copyright (c), by Zend Technologies
jeenamathew@jeenamathew-VirtualBox:~$
```

Open a browser



System	Linux ubuntu 5.8.0-43-generic #49~20.04.1-Ubuntu SMP Fri Feb 5 09:57:56 UTC 2021 x86_64
Build Date	Jul 5 2021 15:13:35
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/apache2
Loaded Configuration File	/etc/php/7.4/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/apache2/conf.d
Additional .ini files parsed	/etc/php/7.4/apache2/conf.d/10-mysqlnd.ini, /etc/php/7.4/apache2/conf.d/10-openssl.ini, /etc/php/7.4/apache2/conf.d/10-pdo.ini, /etc/php/7.4/apache2/conf.d/15-xml.ini, /etc/php/7.4/apache2/conf.d/20-bz2.ini, /etc/php/7.4/apache2/conf.d/20-calendar.ini, /etc/php/7.4/apache2/conf.d/20-ctype.ini, /etc/php/7.4/apache2/conf.d/20-curl.ini, /etc/php/7.4/apache2/conf.d/20-dom.ini, /etc/php/7.4/apache2/conf.d/20-exif.ini, /etc/php/7.4/apache2/conf.d/20-ffi.ini, /etc/php/7.4/apache2/conf.d/20-fileinfo.ini, /etc/php/7.4/apache2/conf.d/20-ftp.ini, /etc/php/7.4/apache2/conf.d/20-gd.ini, /etc/php/7.4/apache2/conf.d/20-gettext.ini, /etc/php/7.4/apache2/conf.d/20-iconv.ini, /etc/php/7.4/apache2/conf.d/20-json.ini, /etc/php/7.4/apache2/conf.d/20-mbstring.ini, /etc/php/7.4/apache2/conf.d/20-mysqli.ini, /etc/php/7.4/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.4/apache2/conf.d/20-phar.ini, /etc/php/7.4/apache2/conf.d/20-posix.ini, /etc/php/7.4/apache2/conf.d/20-readline.ini, /etc/php/7.4/apache2/conf.d/20-shmop.ini, /etc/php/7.4/apache2/conf.d/20-simdjson.ini, /etc/php/7.4/apache2/conf.d/20-sockets.ini, /etc/php/7.4/apache2/conf.d/20-sysvmsg.ini, /etc/php/7.4/apache2/conf.d/20-sysvshm.ini, /etc/php/7.4/apache2/conf.d/20-tar.ini, /etc/php/7.4/apache2/conf.d/20-xmlrpc.ini, /etc/php/7.4/apache2/conf.d/20-zip.ini, /etc/php/7.4/apache2/conf.d/20-zlib.ini

Install phpmyadmin

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

(It asks for webserver select apache2, select db-configuration and set password)

Restart apache2

- sudo systemctl restart apache2

```
jeenamathew@jeenamathew-VirtualBox:~$ sudo mysql -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 165
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database jeena
-> ^C^Cexit
^C
mysql> create database jeena;
```

Check phpmyadmin

