

Web Hosting Assignment

HDSE182.2F-037

Pubudu Tharuka

Apache installation

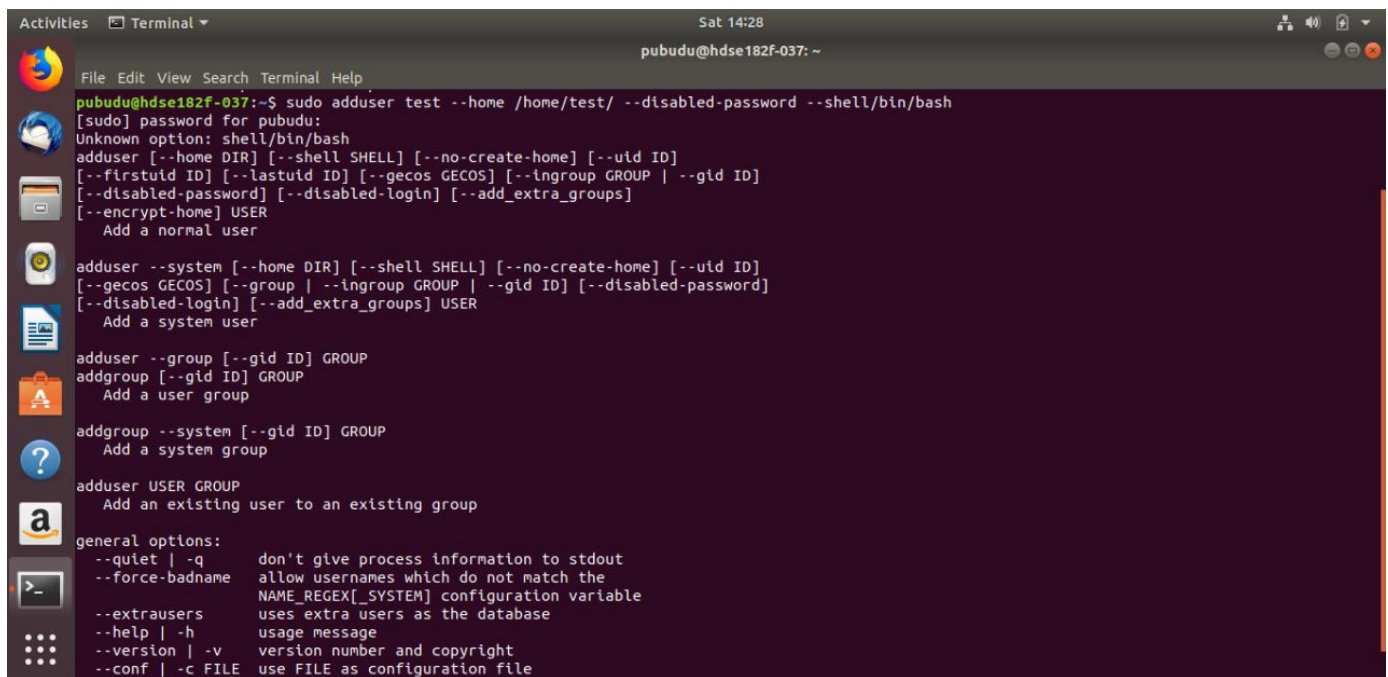
Sudo apt-get install apache2

Php installation

Sudo apt-get install php

Setup Environment

Sudo adduser test --home /home /test/ --disabled-password --shell /bin/bash

A screenshot of a Linux terminal window. The window title is "Terminal" and the status bar shows "Sat 14:28" and the user "pubudu@hdse182f-037: ~". The terminal displays the help text for the 'adduser' command. The prompt is "pubudu@hdse182f-037:~\$ sudo adduser test --home /home/test/ --disabled-password --shell/bin/bash". The output shows the command's usage and options.

```
pubudu@hdse182f-037:~$ sudo adduser test --home /home/test/ --disabled-password --shell/bin/bash
[sudo] password for pubudu:
Unknown option: shell/bin/bash
adduser [--home DIR] [--shell SHELL] [--no-create-home] [--uid ID]
[--firstuid ID] [--lastuid ID] [--gecos GECOS] [--ingroup GROUP | --gid ID]
[--disabled-password] [--disabled-login] [--add_extra_groups]
[--encrypt-home] USER
    Add a normal user

adduser --system [--home DIR] [--shell SHELL] [--no-create-home] [--uid ID]
[--gecos GECOS] [--group | --ingroup GROUP | --gid ID] [--disabled-password]
[--disabled-login] [--add_extra_groups] USER
    Add a system user

adduser --group [--gid ID] GROUP
addgroup [--gid ID] GROUP
    Add a user group

addgroup --system [--gid ID] GROUP
    Add a system group

adduser USER GROUP
    Add an existing user to an existing group

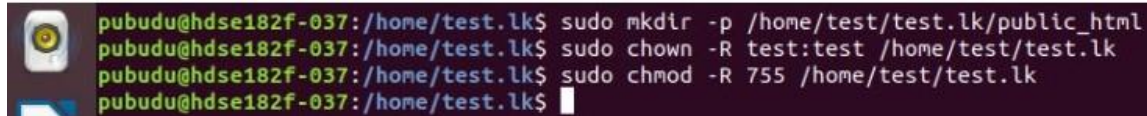
general options:
--quiet | -q      don't give process information to stdout
--force-badname   allow usernames which do not match the
                  NAME_REGEX[_SYSTEM] configuration variable
--extrausers      uses extra users as the database
--help | -h       usage message
--version | -v    version number and copyright
--conf | -c FILE  use FILE as configuration file
```

Directory structure

Sudo mkdir -p /home/test/test.lk/public_html

Sudo chmod -R chown -R test:test /home/test/test.lk

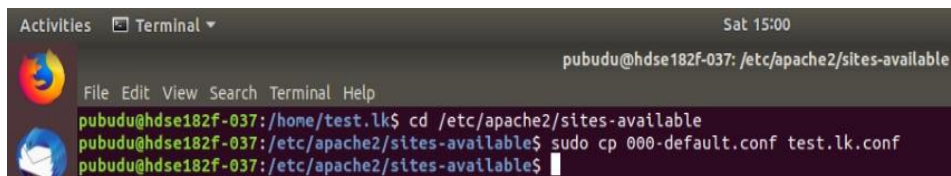
Sudo chmod -R 755 /home/test/test.lk



```
pubudu@hdse182f-037:/home/test.lk$ sudo mkdir -p /home/test/test.lk/public_html
pubudu@hdse182f-037:/home/test.lk$ sudo chown -R test:test /home/test/test.lk
pubudu@hdse182f-037:/home/test.lk$ sudo chmod -R 755 /home/test/test.lk
pubudu@hdse182f-037:/home/test.lk$
```

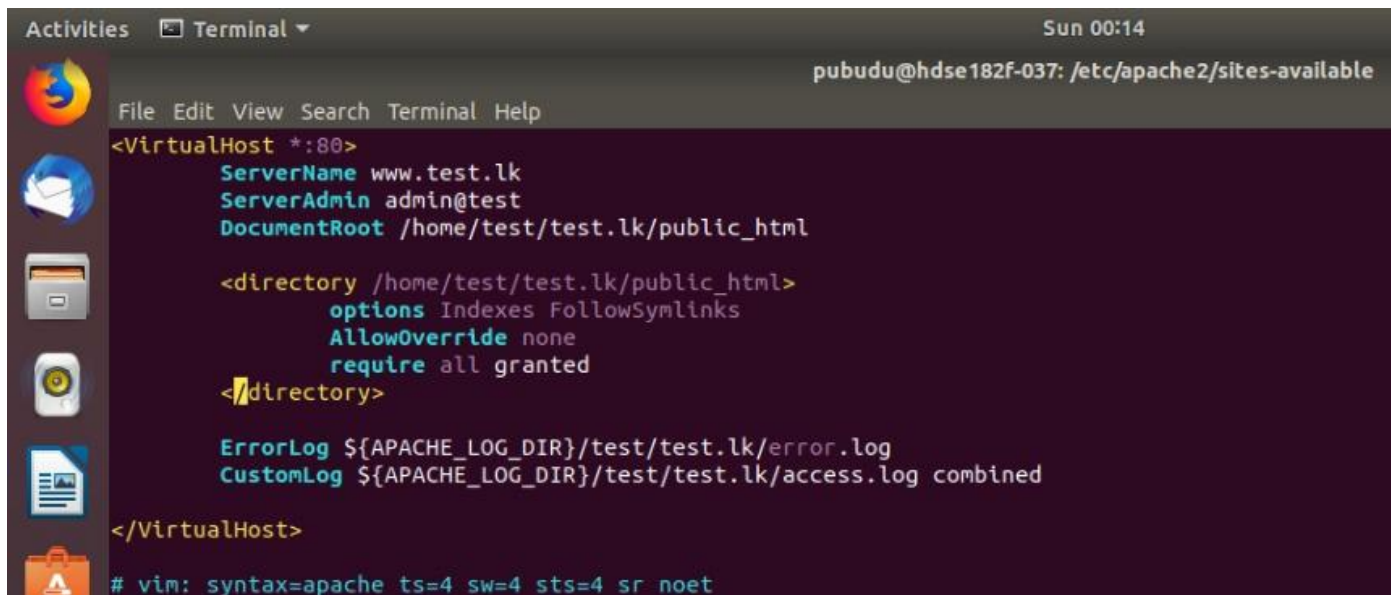
Create copy of default configuration file

Sudo cp 000-default.conf test.lk.conf



```
pubudu@hdse182f-037:/etc/apache2/sites-available$ cd /etc/apache2/sites-available
pubudu@hdse182f-037:/etc/apache2/sites-available$ sudo cp 000-default.conf test.lk.conf
pubudu@hdse182f-037:/etc/apache2/sites-available$
```

Make changes in copied configuration file



```
pubudu@hdse182f-037:/etc/apache2/sites-available$ vim test.lk.conf
<VirtualHost *:80>
    ServerName www.test.lk
    ServerAdmin admin@test
    DocumentRoot /home/test/test.lk/public_html

    <directory /home/test/test.lk/public_html>
        options Indexes FollowSymlinks
        AllowOverride none
        require all granted
    </directory>

    ErrorLog ${APACHE_LOG_DIR}/test/test.lk/error.log
    CustomLog ${APACHE_LOG_DIR}/test/test.lk/access.log combined
</VirtualHost>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

Create Log files

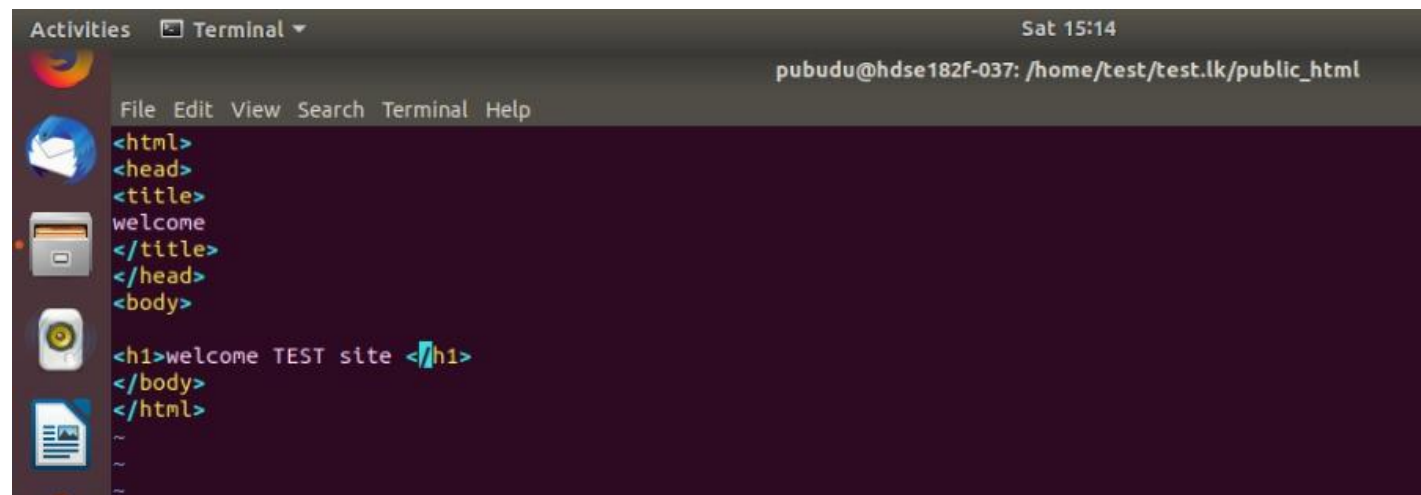
Sudo mkdir -p /var/log/apache2/test/test.lk

Sudo chown test:test /var/log/apache2/test/test.lk

```
pubudu@hdse182f-037:/var/log/apache2/test$ sudo mkdir test.lk
pubudu@hdse182f-037:/var/log/apache2/test$ sudo chown test:test /var/log/apache2/test/test.lk
pubudu@hdse182f-037:/var/log/apache2/test$ a2ensite test.lk
Site test.lk already enabled
pubudu@hdse182f-037:/var/log/apache2/test$ service apache2 restart
pubudu@hdse182f-037:/var/log/apache2/test$
```

Hosting

Sudo vim /home/test/test.lk/public_html/index.php



```
Activities  Terminal  Sat 15:14
pubudu@hdse182f-037: /home/test/test.lk/public_html

File Edit View Search Terminal Help

<html>
<head>
<title>
welcome
</title>
</head>
<body>

<h1>welcome TEST site </h1>
</body>
</html>

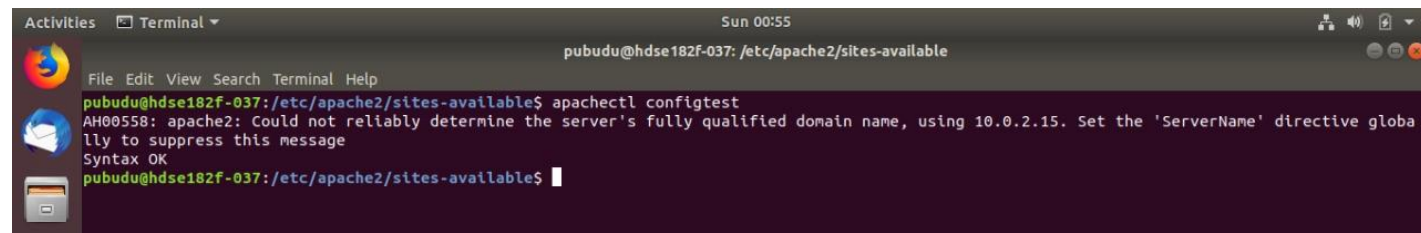
~
~
~
```

Enable site

A2ensite test.lk

Check configurations

Apachectl configtest

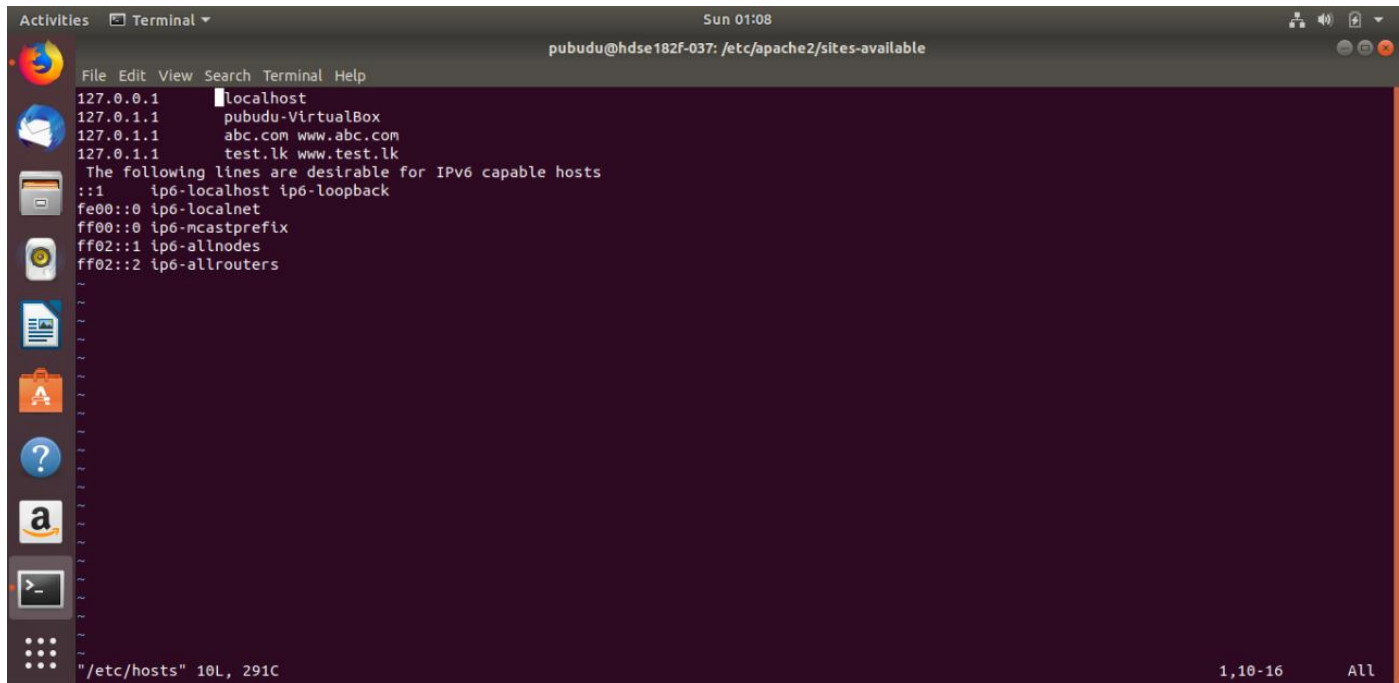


```
Activities  Terminal  Sun 00:55
pubudu@hdse182f-037: /etc/apache2/sites-available

File Edit View Search Terminal Help

pubudu@hdse182f-037:/etc/apache2/sites-available$ apachectl configtest
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 10.0.2.15. Set the 'ServerName' directive globally to suppress this message
Syntax OK
pubudu@hdse182f-037:/etc/apache2/sites-available$
```

Add host name



A terminal window titled "pubudu@hdse182f-037: /etc/apache2/sites-available" displays the contents of the `/etc/hosts` file. The file lists several IP addresses and their corresponding hostnames, including `localhost`, `pubudu-VirtualBox`, `abc.com`, and `test.lk`. It also includes a section for IPv6 capable hosts with entries like `ip6-localhost`, `ip6-loopback`, `ip6-localnet`, `ip6-mcastprefix`, `ip6-allnodes`, and `ip6-allrouters`. The terminal window has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The status bar at the bottom shows the file path `"/etc/hosts"`, the line and column numbers `10L, 291C`, and the page number `1,10-16` with `All` visible.

```
127.0.0.1 localhost
127.0.1.1 pubudu-VirtualBox
127.0.1.1 abc.com www.abc.com
127.0.1.1 test.lk www.test.lk
The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

Result

