

Class 25

Apache server

It is also called webserver , it use to execute the web page . In window it is called IIS (internet information service) , in linux it is called apache server .it use http and https protocol .

Port no - http =80 , https =443

Package name = httpd

Service name = httpd

Conf file = /etc/httpd/conf/httpd.conf

Log file = /var/log/httpd/error_log

LAB 1 make the apache server and execute the own web site .

Yum install httpd* -y

Systemctl restart httpd

Firewall-cmd --permanent --add-service=http

Firewall-cmd --reload

Run my own page

Httpd = /var/www/html

Cd /var/www/html

Vim index.html

Hii h r u?

:wq

Systemctl restart httpd

Q = index.html ? /var/www/html ?

Lab 2 open the website from the name

192.168.1.8 = www.xyz.com

Local machine

Vim /etc/hosts

192.168.1.8 www.xyz.com

Lab 3 run the multiple website in single IP

192.168.1.8

www.google.com

www.yahoo.com

Cd /var/www

Mkdir google yahoo

Cd google

Vim google.html

This is google page

:wq

Cd yahoo

Vim yahoo.html

This is yahoo page

:wq

Vim /etc/http/conf/httpd.conf

<VirtualHost 192.168.1.8>

ServerAdmin shobhit@gmail.com

DocumentRoot /var/www/google

DirectoryIndex google.html

ServerName google.test.com

ServerAlias google1.com

</VirtualHost>

<VirtualHost 192.168.1.8>

ServerAdmin shobhit@gmail.com

DocumentRoot /var/www/yahoo

DirectoryIndex yahoo.html

ServerName yahoo.test.com

ServerAlias yahoo1.com

</VirtualHost>

:wq

Vim /etc/hosts

192.168.1.8 google.test.com google1.com

192.168.1.8 yahoo.test.com yahoo1.com

:wq

Systemctl restart httpd

Lab 4 directory hosting

Cd /var/www/google

Mkdir soft

```
Cd soft = touch aa.mp3 bb.mp4 cc.exe
```

```
Vim /etc/httpd/conf/httpd.conf
```

```
<Directory "/var/www/google/soft"
```

```
Options Indexes
```

```
Order Allow,Deny
```

```
Allow from all
```

```
</Directory>
```

:wq

Systemctl restart httpd

Google.test.com/soft

Lab 5 give the password in directory hosting

Vim /etc/httpd/conf/httpd.conf

AllowOverride AuthConfig

:wq

Cd /var/www/google/soft

Vim .htaccess

AuthName "secure site"

AuthType basic

AuthUserfile /etc/httpd/htpasswd

Require valid-user

:wq

Useradd india

Passwd india

Htpasswd -c /etc/httpd/htpasswd india

Systemctl restart httpd

LAB 6 change the port

http = 80

vim /etc/httpd/conf/httpd.conf

Listen 8080

:wq

Google.test.com:8080

HTTPS

http = plain text

username ,password

https = encrypted way

purchase a certificate = godaddy.com

practical = self signed certificate

yum install openssl mod_ssl httpd -y

make the local certificate

openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout server.key -out server.crt

cp -r server.crt /etc/pki/tls/certs

```
cp -r server.key /etc/pki/tls/private
```

```
vim /etc/httpd/conf.d/ssl.conf
```

```
apache server
```