

web server

By using web server we can host the webpages. No. of web servers are available.

#### Web Servers

IIS	MicroSoft
Apache	For all Platforms
Iplanet	Sun Solaris
Tomcat, Weblogic	Third Party Tools

#### Apache :

In the year 1995 "http" daemon was popular to host a webserver. This was developed by NCS (National Centre for super computing Applications).

When the developers of NCSA left the organisation, webmasters across the world start maintaining this "http" daemon.

For every new change in the httpd daemon they added the corresponding "patches", this denied the name "Apache". Apache is a firewall and is most popular and widely used webserver, which consumes 60% of web market that can be configured in both windows & linux.

August 1995	-	0.8.8 version
November 30 1995	-	Apache 1.0 version (from this version onwards Apache is so much popular)

#### Features

1. Speed
2. Configurability
3. Stability

#### Requirements :

Packages http

http-manual

http-devel

Port No - 80 - http

config file : httpd /etc/httpd/conf/httpd.conf

service : httpd

daemon : httpd

Configure DNS

NOTE :- Install of packages, configure of host name and configuration of first configuration file are same as primary DNS configuration.

Open the second configuration file

```
# vi /etc/named-rfc1912.zones
zone "bharath.com" IN {
    type master;
    file "bharath.for";
    allow-updater{none;};
};
```

Goto zone files location :

```
# cd /var/named/chroot/var/named
```

Configure the bharath forward lookup zone file :

```
# vi bharath.for
$TTL      86400
@          IN SOA sun1.bharath.com.    root.bharath.com.
                                42
;serial
```

```

;refresh
3H
15M ;retry
1W
;expity
1D
;minimum
IN NS sun1.bharath.com
sun1 IN A 192.168.0.1 (This is DNS server)
sun2 IN A 192.168.0.2 (This is Web Server)
www IN CNAME sun2 (This is webserver host name)

```

Add the DNS IP address

```
#vi /etc/resolv.conf
```

```
nameserver 192.168.0.1 (DNS server ip)
```

```
Restart the service : # service named restart
```

Configure the web server (at 192.168.0.2)

install package:-

```
#yum install http* -y
```

Open the configuration file

```
# vi /etc/httpd/conf/httpd.conf
```

```
ServerAdmin root@bharath.com (This is mail address of admin)
```

```
SerberName www.bharath.com:80 (This is name of website)
```

use cationicalname on line 274

Document Root "/var/www/html" on line 280 web sites location

Director> Index bharath.html on line 390 web site name

Go to Website Location

```
# cd /var/www/html
```

```
# vi bharath.html
```

This is Bharath Matrimony.com # here we can write html code

Restart the Service :

```
# service httpd restart
```

Open the Web Browser

CLI Based : # elinks

Graphical Based : firefox &

in the url,type http://www.bharath.com (or) http://192.168.0.2

Authentication of the User :

open the conf file:

```
# vi /etc/httpd/conf/httpd.conf
```

Go to Last Line

```
< Directory /var/www/html >
```

```
AuthUserFile /etc/httpd/conf/htpasswd
```

```
AuthName "web authentication"
```

```
AuthType Basic
```

```
Require valid-user
```

```
</Directory>
```

Create the user and assign the http password:

```
# useradd user1
```

```
# passwd user1
```

```
# htpasswd -C /etc/httpd/conf/htpasswd user1
```

Restart the service :

```
# service httpd restart
```

open the Browser : # elinks (or)

```
# firefox &
```

in the url bar , type <http://www.bharath.com>

NOTE : Type the Authenticated user name and password in the dialouge box