

## About Apache HTTP Server

Apache HTTP Server is a free software/open source web server for Unix-like systems and other operating systems.

Apache features configurable error messages, DBMS-based authentication databases, and content negotiation. It is also supported by several graphical user interfaces (GUIs) which permit easier, more intuitive configuration of the server.

## Installation

There are three ways in which apache can be installed on Linux distributions:

1. Compile from source code and install
2. Using a low/high level package manager
3. From installation media

Since the second method is much more convenient, we use it

### Fedora Core/Cent OS Linux Apache/httpd installation

Type the following command if you are using Fedora / RHEL / Cent OS Linux, run:

```
# yum install httpd
```

```
# chkconfig httpd on
```

```
# /etc/init.d/httpd start
```

### Red Hat Enterprise Linux Apache/httpd installation

Type the following command:

```
# up2date httpd OR
```

```
# yum install httpd
```

```
# chkconfig httpd on
```

```
# /etc/init.d/httpd start
```

### Debian Linux httpd/Apache installation

Use the apt-get command:

```
# apt-get install apache2
```

```
# /etc/init.d/apache2 start
```

## Verification & custom site

After installation is complete, we must verify that the service is running.

We may run the command below or go to <http://localhost> in our browser to verify the installation.

**Task: Verify that port 80(by default) is open**

```
# netstat -tulpn | grep :80
```

**Task: Store files / upload files for your web site**

The next step is to modify the default index.html file and/or add addition files to your server.

- 1.You need to upload files at `/var/www/html` under RHEL / CentOS / Fedora Linux operating system.
- 2.You need to upload files at `/var/www/` under Debian or Ubuntu Linux operating system.

## Apache Server configuration

Your server is started, but you need to configure and use Apache as per your requirement. `/etc/httpd/conf/httpd.conf` (RHEL/CentOS/Fedora Core Linux) or `/etc/apache2/httpd.conf` (Debian / Ubuntu Linux) configuration file. Use a text editor such as `vi` to edit a file. This file is very well documented or read official Apache configuration documentation for more information

index.html (/var/www) - Scratch



index.html

&lt;html&gt;&lt;body&gt;&lt;h1&gt;Hello!&lt;/h1&gt;

&lt;p&gt;This is the NEW web page for this server.&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;

www

/ var www

+ x www

Filename Size Type Modified

index.html 91 bytes HTML document Thursday 11 Sep

ashesh@ashesh-G41M-Combo: ~

+ x ...shesh-G41M-Combo: ~ x ...shesh-G41M-Combo: ~

Unpacking apache2 (from .../apache2\_2.2.22-1ubuntu1.7\_i386.deb) ...

Setting up apache2 (2.2.22-1ubuntu1.7) ...

ashesh@ashesh-G41M-Combo:~\$ sudo scratch-text-editor /var/www/index.html

[LOG\_LEVEL\_INFO 15:19:17.485625] Application.vala:77: Scratch version: 2.0.2.1

[LOG\_LEVEL\_INFO 15:19:17.485845] Application.vala:79: Kernel version: 3.2.0-70

-generic-pae

[LOG\_LEVEL\_DEBUG 15:19:17.549648] Settings.vala:158: Loading settings from sch

ema 'org.pantheon.scratch.saved-state'

[LOG\_LEVEL\_DEBUG 15:19:17.550884] Set

ema 'org.pantheon.scratch.settings'

[LOG\_LEVEL\_DEBUG 15:19:17.555366] Set

ema 'org.pantheon.scratch.services'

[LOG\_LEVEL\_DEBUG 15:19:18.032820] [Gtk

[LOG\_LEVEL\_DEBUG 15:19:18.712529] Spli

efully

[LOG\_LEVEL\_DEBUG 15:19:18.714507] Spli

cefully

[LOG\_LEVEL\_DEBUG 15:19:18.719058] Spli

[LOG\_LEVEL\_INFO 15:19:18.844524] Docum

x localhost localhost - Google Chrome

localhost

localhost

Hello!

This is the NEW web page for this server.



