

## Experiment 10: Web Server Configuration

### 1. Aim:

- a. Configure Web Server Model in Linux OS.

### 2. Requirements: LINUX OS

### 3. Related Theory:

A web server can be described as the combination of Platform, Software and Information. The computer hardware, its operating system, and network software form the computing platform. The web server software holds the whole system together and provides a bridge between the information and the computing platform. A web server receives request from web browsers for information over the network, deciphers each request to determine which file is needed, finds that file if available and sends the file back to the web browser over the network.

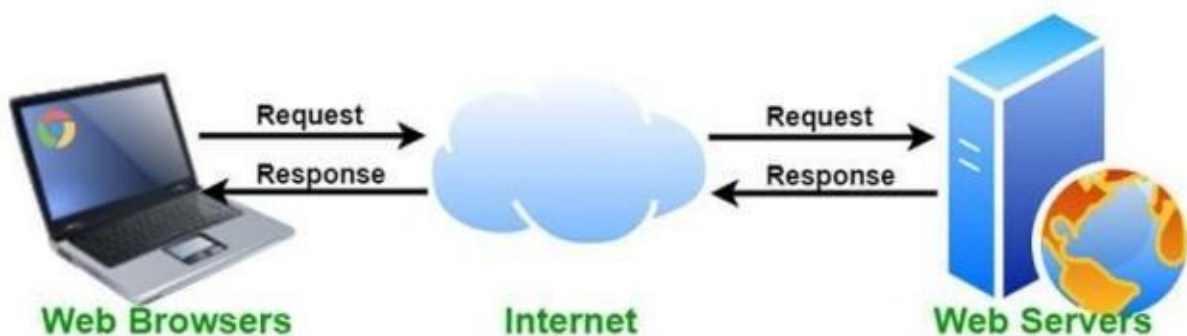


Figure 1: Web Server – Client Communication

### ApacheHTTP Server Client Configuration

Apache web server is not a physical server but rather a software that runs on an HTTP server. Apache is a free and open-source software that allows users to deploy their websites on the internet. It is one of the oldest and most reliable web server software maintained by the Apache Software Foundation. Its job is to establish a connection between a server and the browsers of website visitors (Firefox, Google Chrome, Safari, etc.) while delivering files back and forth between them (client-server structure). The Apache software is also compatible with any operating system, from Windows to Unix.

### 4. Laboratory Exercise:

- a. Configure the Web server model in Linux OS.

**5. Post-Experiment Exercise:**

**A. Conclusion:**

*#Summarize your experience about the skills acquired from this experiment.*

**B. Task for Submission:**

- a. Attach the screenshots of the steps used for installation, configuration and access of the web server-client.