SCIENCE & TECHNOLOGY CLUB

Web Hosting Using Linux

Absolute and relative paths

Absolute or **full** path points to the same location in a file system, regardless of the current working directory.
Relative path starts from some given working directory, avoiding the need to provide the full absolute path.

What is Http Daemon (HTTPD)

HTTPD is a software program that runs in the background of a Web server and waits for incoming server requests. The **daemon** answers the requests automatically and serves the hypertext and multimedia documents over the Internet using **HTTP**.

Daemon

A daemon (pronounced DEE-muhn) is a program that runs continuously and exists for the purpose of handling periodic service requests that a computer system expects to receive. The daemon program forwards the requests to other programs (or processes) as appropriate. Each server of pages on the Web has an *HTTPD* or Hypertext Transfer Protocol daemon that continually waits for requests to come in from Web clients and their users.

What is Apache?

Apache is an open-source and free web server software that **powers around 40% of websites** around the world. The official name is **Apache HTTP Server**, and it's maintained and developed by the Apache Software Foundation.

Systemctl :
systemctl is used to examine and control the state of "systemd" system and service

manager.

systemd is system and service manager for Unix like operating systems(most of the

distributions, not all). As the system boots up, the first process created, i.e. init process

with PID = 1, is systemd system that initiates the userspace services.

Syntax :

systemctl [OPTIONS...] COMMAND [NAME...]
systemctl status service_name : to check the status of service that it is running or not.

systemctl start service_name : to start the services (not permanently)

systemctl enable service_name: to enable the services permanently so that it will

start automatically at booting time.

systemctl stop service_name: to stop the services (not permanently)

systemctl disable service_name : to stop/disable the services permanently.

Location where we store our html pages?

----> /var/www/html

Step for hosting a website through Aws instance:

1).Add a protocol to your instance

2). Installing the services (httpd)

3). Enabling/Start the services (httpd)

4).save html page at location /var/www/html

5).Now access your pages through a web browser.

Ex: IP_address/your_page.html (type this in your web browser)

Note: if you save your page by name index you can directly access it through ip

address.