Access Webpage using HTTP in Linux

In this project I have used HTTP web server to host web pages in Linux, how we can set up a web server in our Linux environment, deploy our first simple HTML-based web page, and how we can access our web page from the browser.

What is HTTPD?

HTTP Daemon is a software program that runs in the background of a web server and waits for incoming server requests.

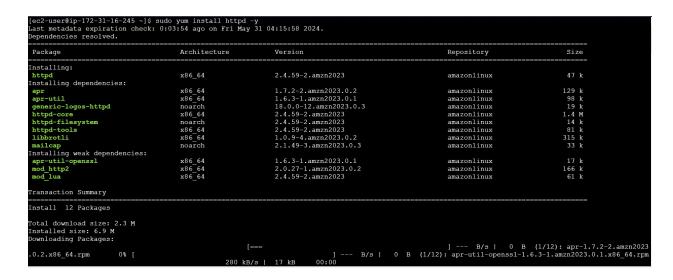
The daemon answers the request automatically and serves the hypertext and multimedia documents over the Internet using HTTP.

1. Launch an EC2 Instance:

- You initiate a new EC2 instance on AWS, selecting the AWS Linux image
- Connect to EC2 Instance through EC2 Instance Connect

2. Install HTTPD Web Server:

 Install the HTTPD web server using the yum package manager with all dependencies.



Check HTTPD server stuatus:

Check HTTPD server active or not using systematl utility

```
[ec2-user@ip-172-31-16-245 ~]$ systemctl status httpd.service
o httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
Active: inactive (dead)
Docs: man:httpd.service(8)
[ec2-user@ip-172-31-16-245 ~]$ systemctl start httpd.service
Failed to start httpd.service: Access denied
See system logs and 'systemctl status httpd.service' for details.
[ec2-user@ip-172-31-16-245 ~]$ sudo systemctl start httpd.service
```

4. Start HTTPD server in server:

For start httpd use command (systematl start httpd.service)

```
[ec2_user@ip-172-31-16-245 -]$ sudo systemctl start httpd.service
[ec2_user@ip-172-31-16-245 -]$ systemctl start httpd.service
Failed to start httpd.service. Access denied
See system logs and 'systemctl status httpd.service' for details.
[ec2_user@ip-172-31-16-245 -]$
[ec2_user@
```

5. Create web page:

- Go to the directory where the webpage content file is located (/var/www/html).
- Create a new index.html file with your own content.
- If you add Images to your content add images in html directory

```
[ec2-user@ip-172-31-16-245 html]$ vi index.html
[ec2-user@ip-172-31-16-245 html]$ sudo vi index.html
[ec2-user@ip-172-31-16-245 html]$ sudo vi index.html
[ec2-user@ip-172-31-16-245 html]$

[ec2-user@ip-172-31-16-245 html]$
```

```
[ec2-user@ip-172-31-16-245 html]$ 1s
butterfly.jpeg index.html
[ec2-user@ip-172-31-16-245 html]$

[ec2-user@ip-172-31-16-245 html]$
```

6. View Customized Page:

• Use the public IP address again in the browser to see your website content.



Welcome to my first website



