Static web hosting using Nginx

Here I am trying to deploy a small static HTML website using Nginx.

Prerequesties :

- Nginx is installed and running

In instance,

- mkdir ~/my-static-site
- cd ~/my-static-site
- nano index.html (or) vi index.html

  ```
  <!DOCTYPE html>
  <html>
  <head>
    <title>My Nginx Site</title>
  </head>
  <body>
    <h1>Hello from Nginx + HTML!</h1>
  </body>
  </html>
  ```

Now copy this file to nginx web root : /var/www/html/index.html

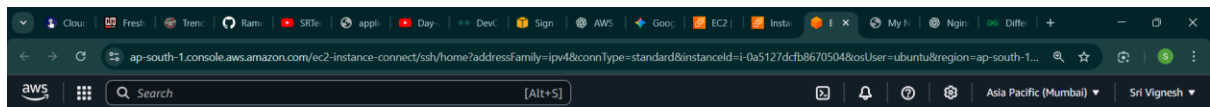- sudo cp ~/my-static-site/index.html /var/www/html/index.html

Restart nginx

- sudo systemctl restart nginx

Change permission

- sudo chmod -R 755 /var/www/html

Now the web page is running to verify that go to the public Ip of the instance

```
        Memory: 1.7M (peak: 1.9M)
          CPU: 9ms
        CGroup: /system.slice/nginx.service
               ├─2837 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
               └─2838 "nginx: worker process"

Jul 28 07:37:42 ip-172-31-3-2 systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jul 28 07:37:42 ip-172-31-3-2 systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
ubuntu@ip-172-31-3-2:~$ mkdir ~/my-static-site
cd ~/my-static-site
nano index.html
ubuntu@ip-172-31-3-2:~/my-static-site$ sudo cp ~/my-static-site/index.html /var/www/html/index.html
ubuntu@ip-172-31-3-2:~/my-static-site$ sudo systemctl restart nginx
ubuntu@ip-172-31-3-2:~/my-static-site$ ls -lah
total 12K
drwxrwxr-x 2 ubuntu ubuntu 4.0K Jul 28 08:01 .
drwxr-x--- 6 ubuntu ubuntu 4.0K Jul 28 08:00 ..
-rw-rw-r-- 1 ubuntu ubuntu  128 Jul 28 08:01 index.html
ubuntu@ip-172-31-3-2:~/my-static-site$ sudo chmod -R 755 /var/www/html
ubuntu@ip-172-31-3-2:~/my-static-site$ ls -lah
total 12K
drwxrwxr-x 2 ubuntu ubuntu 4.0K Jul 28 08:01 .
drwxr-x--- 6 ubuntu ubuntu 4.0K Jul 28 08:00 ..
-rw-rw-r-- 1 ubuntu ubuntu  128 Jul 28 08:01 index.html
ubuntu@ip-172-31-3-2:~/my-static-site$
```

i-0a5127dcfb8670504 (api)

PublicIPs: 13.203.203.49   PrivateIPs: 172.31.3.2

Not secure 13.203.203.49

Hello from Nginx + HTML!

I also created a animated static webpage using html and hosted it on nginx

Here is the code link to index.html

https://github.com/srivigneshkv14/nginx/blob/f88899620c1521f912428618b2fab2e0f59bc4bb/index.html

update index.html file in location : /var/www/html/index.html

- sudo systemctl restart nginx

View the public Ip.