



Nginx Webser - hosting application of nginx web server

AWS Cloud Server Management

- ☐ Apache/ nginx Web Server Setup
- ☐ Hosting Web Application

Nginx Web Server



What is web server:

A web server is software that uses HTTP (Hypertext Transfer Protocol) to serve files that form web pages to users in response to their requests, which are forwarded by their computers' HTTP clients. The primary function of a web server

is to store, process, and deliver web pages to clients. Examples of web servers include Apache HTTP Server, Nginx, Microsoft Internet Information Services (IIS).

Nginx :



Sample code link:

static website 1 :

<https://github.com/mubeen507/carvilla.git>

static website 2: <https://github.com/mubeen507/ecommerce.git>

Static website 3:

<https://github.com/mubeen507/food.git>

To copy the website to ec2

```
git clone https://github.com/mubeen507/carvilla.git
```

Steps to host a website on nginx

Launch a ubuntu 22 server that is ec2 server

Update the webserver

```
sudo apt update
```

step 1 : Install nginx

```
sudo apt install nginx -y
```

Step 3: Run the service of nginx

```
sudo systemctl start nginx
```

```
options:  
status restart enable stop
```

Step 4 : removing default nginx page

```
sudo rm -rf index.nginx-debian.html
```

step 5:

Copy the content from repo to /var/www/html

syntax:

```
git clone <<<urlfromgit--source>>> <</var/www/html--destination>>
```

command:

```
git clone https://github.com/mubeen507/carvilla.git /var/www/html
```

```
cd carvilla
```

```
ls
```

```
ubuntu@ip-172-31-18-166: /var/www/html
ubuntu@ip-172-31-18-166:/var/www/html$ ls
index.nginx-debian.html
ubuntu@ip-172-31-18-166:/var/www/html$ sudo rm index.nginx-debian.html
ubuntu@ip-172-31-18-166:/var/www/html$ ls
ubuntu@ip-172-31-18-166:/var/www/html$ cd
ubuntu@ip-172-31-18-166:~$ git clone https://github.com/mubeen507/carvilla.git /var/www/html
Cloning into '/var/www/html'...
/var/www/html/.git: Permission denied
ubuntu@ip-172-31-18-166:~$ sudo git clone https://github.com/mubeen507/carvilla.git /var/www/html
Cloning into '/var/www/html'...
remote: Enumerating objects: 86, done.
remote: Counting objects: 100% (86/86), done.
remote: Compressing objects: 100% (82/82), done.
remote: Total 86 (delta 5), reused 72 (delta 0), pack-reused 0
Receiving objects: 100% (86/86), 2.09 MiB | 12.58 MiB/s, done.
Resolving deltas: 100% (5/5), done.
ubuntu@ip-172-31-18-166:~$ cd /var/www/html
ubuntu@ip-172-31-18-166:/var/www/html$ ls
Dockerfile  assets  index.html  readme.txt
```

To check running port use below command

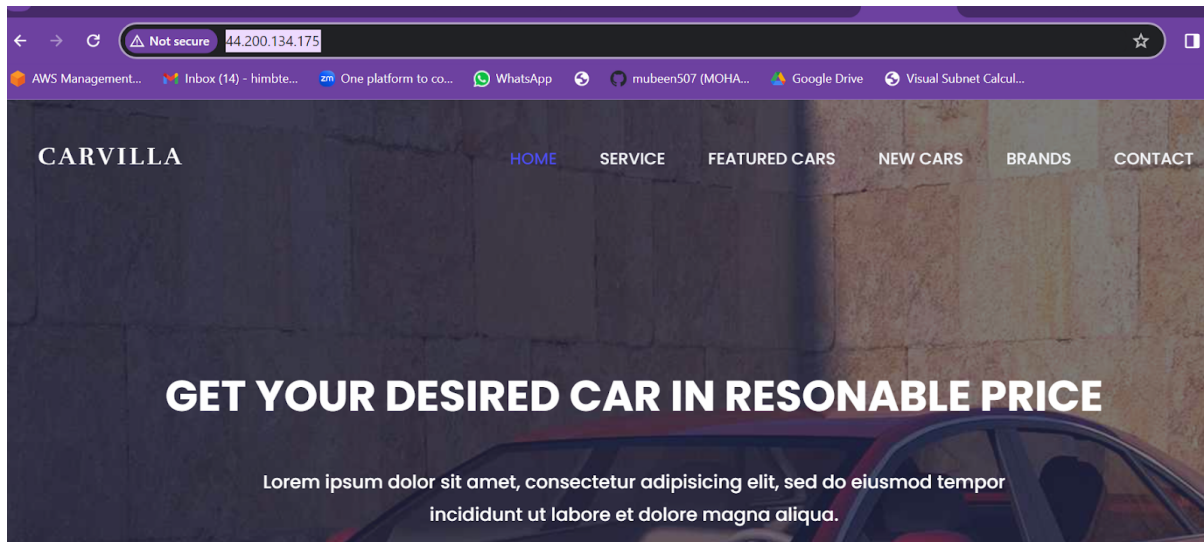
```
ss -ntpl
```

```
sudo systemctl status nginx
```

sudo systemctl restart nginx

open port 80

From Security Group



Assignment to Deploy food app on Apache server: