

Creating Virtual Host

Apache Virtual Host

1. Download and install apache xampp on pc.
2. Copy or create project folder inside the htdocs (location: C:\xampp\htdocs\) directory and put all the HTML, CSS, JavaScript files and assets folder inside your project folder.
3. Open “hosts” file (location: C:\Windows\System32\drivers\etc\hosts) using notepad with administrator access and put this line (127.0.0.1 eight25-internship-assessment.test) below the notepad and save it.
4. Open this file (httpd-vhosts.conf) (location: C:\xampp\apache\conf\extra\httpd-vhosts.conf) and add this configuration.

```
5. <VirtualHost *:80>
6.     DocumentRoot "C:/xampp/htdocs/eight25-internship-assessment"
7.     ServerName eight25-internship-assessment.test
8.     <Directory "C:/xampp/htdocs/eight25-internship-assessment">
9.         AllowOverride All
10.        Require all granted
11.    </Directory>
12.</VirtualHost>
```

5. Open (httpd.config) file, (location: C:\xampp\apache\conf\httpd.conf) find and uncomment this line (#Include conf/extra/httpd-vhosts.conf).
6. Then go to Xampp control panel and restart apache. After that visit (<http://eight25-internship-assessment.test>) this link using your Browser.

Configure Nginx

1. Download stable version of Nginx and extract it to (C:\nginx\)\ location.
2. Open nginx.conf (location: C:\nginx\conf\nginx.conf) file put below code block inside the http block.

```
3. server {  
4.     listen 80;  
5.     server_name eight25-internship-assessment.test;  
6.     root C:/path/to/your/project;  
7.     index index.html;  
8.  
9.     location / {  
10.         try_files $uri $uri/ =404;  
11.     }  
12.}
```

3. After that we have to start nginx. For do that, Open command prompt as administrator and navigate to “C:\nginx\”. After that run “nginx.exe”.

Create Docker file

1. Download and install docker. After that restart your PC.
2. After restarting your pc, start docker desktop.
3. Create docker file in your project root and put below code inside that.

```
4. # Use official Nginx image
5. FROM nginx:alpine
6.
7. # Copy website files to Nginx html directory
8. COPY . /usr/share/nginx/html/
9.
10.# Expose port 80
11.EXPOSE 80
12.
13.# Start Nginx
14.CMD ["nginx", "-g", "daemon off;"]
```

4. Open command prompt in inside of your project folder and execute this command for build the docker image. (docker build -t eight25-assessment .)
5. After that, for run the container, execute this command. (docker run -d -p 3000:80 -v "%cd%":"/usr/share/nginx/html --name eight25-container eight25-assessment).
5. Now you can access web site using this link. (<http://localhost:3000>)