

Module 11: Testing and Application Deployment Using Angular

Demo Document 2: Deploying Angular Application

edureka!

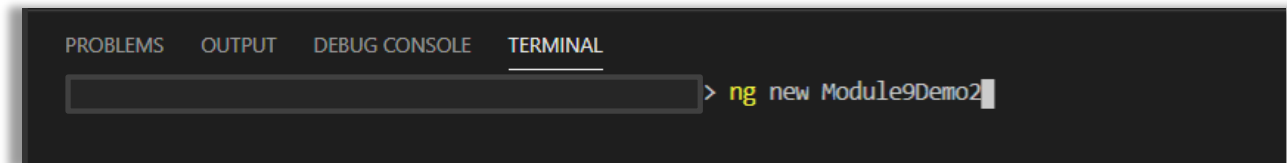
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Deployment of Angular 12 project using nginx and docker

In this demo, we will see how to deploy Angular 12 app using nginx and docker image

Step 1: create new project using command 'ng new Module11Demo2' .

A screenshot of a terminal window with a dark background. At the top, there are tabs labeled 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL'. The 'TERMINAL' tab is active. Below the tabs, there is a text input field containing the command 'ng new Module9Demo2' followed by a cursor.

Step 2: This will create sample angular 12 app

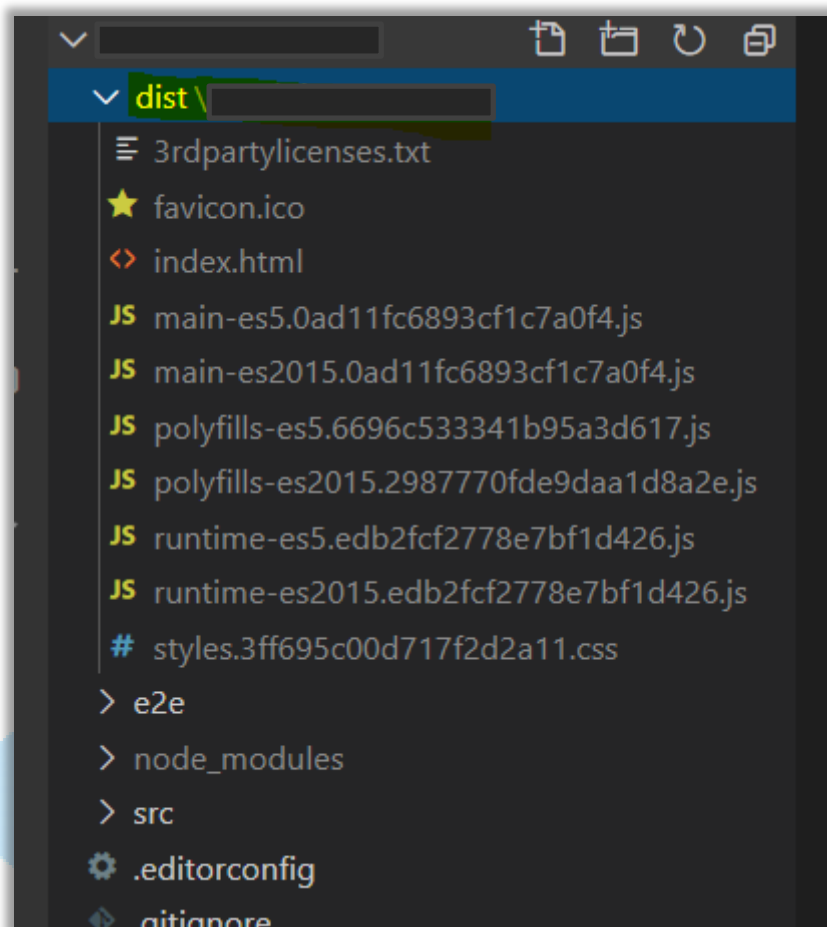
Now we will deploy this using docker image and nginx.

Below are some steps performed by docker file.

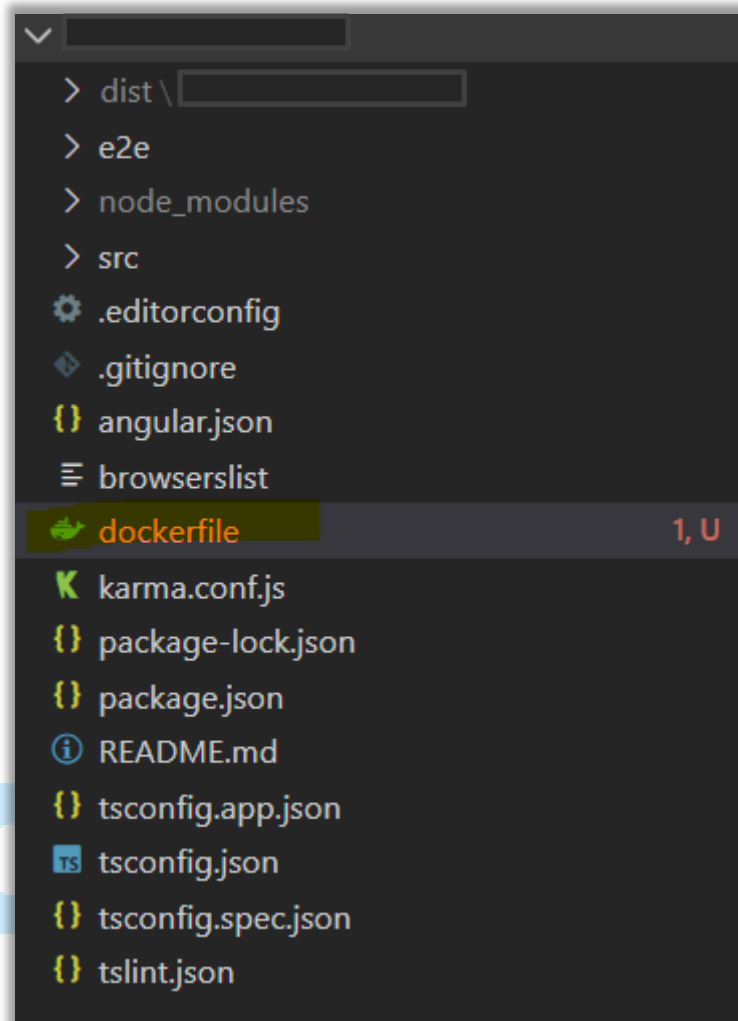
- Install Nginx inside the Docker image using the FROM command
- Remove the default HTML files inside Nginx installed on Docker.
- Copy contents of the dist folder to an HTML folder inside Nginx.
- Start Docker

Step 3- First build the app using below command – **ng build --prod**

Step 4 – Build command will create dist folder as below.



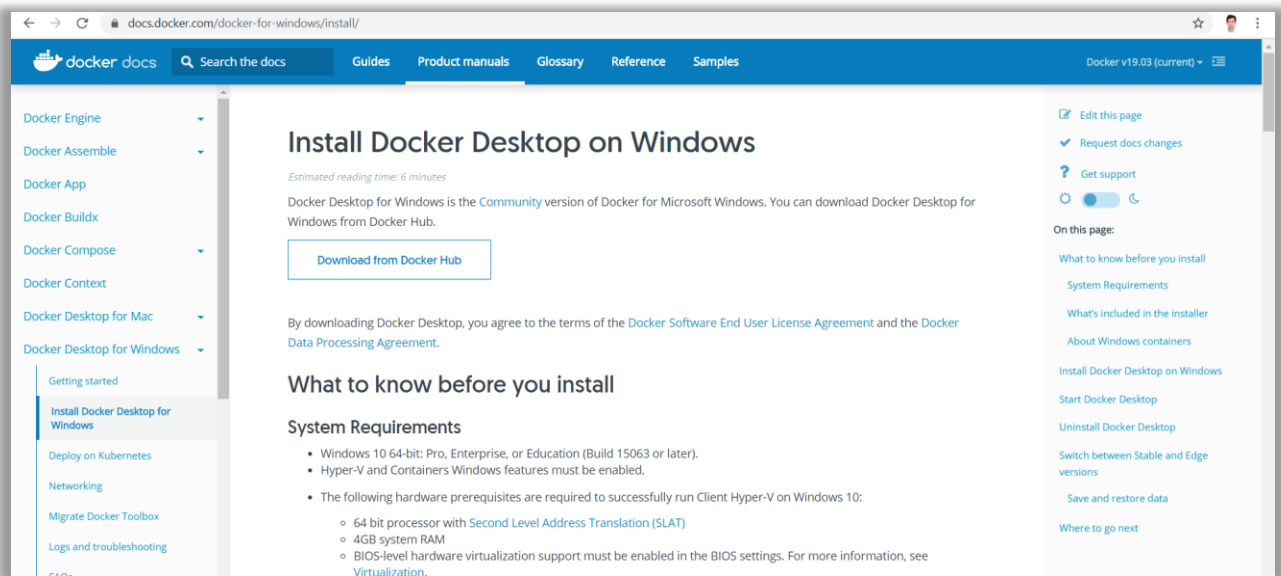
Step 5- Right click on angular app and create new docker file and name it as dockerfile



Step 6- Copy below code to dockerfile

```
FROM nginx:1.17.7-alpine
## Remove default nginx website
RUN rm -rf /usr/share/nginx/html/*
## From 'builder' stage copy over the artifacts in dist folder to default nginx public folder
COPY /dist /usr/share/nginx/html
CMD ["nginx", "-g", "daemon off;"]
```

Step 7- Install docker for windows from docker website <https://docs.docker.com/docker-for-windows/install/>



Step 8- Now build docker image using below commands

```
docker build -t angulardockertest
```

Step 9- Now run docker image using command

```
docker run -p 80:80 --name angulardockertest angulardockertest
```