

DEPLOYMENT OF APP IN IBM CLOUD

Containerize the App

Date	08 November, 2022
Team ID	PNT2022TMID00943
Project Name	Plasma Donor Application

Dockerfile

```
FROM node:16 AS build
```

```
WORKDIR /app
```

```
COPY package.json ./
```

```
COPY package-lock.json ./
```

```
RUN npm install
```

```
COPY . ./
```

```
RUN npm run build
```

```
FROM nginx:1.19-alpine
```

```
COPY --from=build /app/public /usr/share/nginx/html
```

Visual Studio Code interface showing a Dockerfile for a Plasma Donor Application.

EXPLORER

- PLASMA DONOR APPLICATION
 - .vscode
 - dist
 - node_modules
 - public
 - src
 - .dockerignore
 - .gitignore
 - .prettierrc.json
 - Dockerfile
 - index.html
 - jsconfig.json
 - netlify.toml
 - package-lock.json
 - package.json
 - postcss.config.js
 - README.md
 - style-guide.md
 - tailwind.config.js
 - vite.config.js

Dockerfile

```
1 FROM node:16 AS build
2
3 WORKDIR /app
4
5 COPY package.json ./
6 COPY package-lock.json ./
7 RUN npm install
8 COPY . ./
9 RUN npm run build
10
11 FROM nginx:1.19-alpine
12 COPY --from=build /app/public /usr/share/nginx/html
```

TERMINAL

```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

E:\Downloads\Web course\Web projects\Plasma Donor Application>docker build . -t svelte-docker
[+] Building 337.6s (16/16) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 32B
=> [internal] load .dockerignore
=> => transferring context: 58B
=> [internal] load metadata for docker.io/library/nginx:1.19-alpine
=> [internal] load metadata for docker.io/library/node:16
=> [build 1/7] FROM docker.io/library/node:16@sha256:496085d0cd8edf49c97ec86ac11bed85b6f965d9b29885887bb0edba26549b07
=> => resolve docker.io/library/node:16@sha256:496085d0cd8edf49c97ec86ac11bed85b6f965d9b29885887bb0edba26549b07
=> => sha256:496085d0cd8edf49c97ec86ac11bed85b6f965d9b29885887bb0edba26549b07 776B / 776B
=> => sha256:fd31ec14dcccda8f2472547f1a94ef8a23b8dabb764cd7b1d48aeee0afea7c8 50.45MB / 50.45MB
=> => sha256:cbd1efa5831eba5a41fb209c6f56967289379199c6992b204f99b301f6f1205 2.21kB / 2.21kB
```

STATUS BAR

Ln 1, Col 13 | Spaces: 4 | UTF-8 | CRLF | Dockerfile | Go Live | 214 B | Spell | Prettier

11:54 AM 12-11-2022

Visual Studio Code interface showing a Dockerfile and terminal output.

EXPLORER

- PLASMA DONOR APPLICATION
 - .vscode
 - dist
 - node_modules
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 - .dockerignore
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Dockerfile

```
1 FROM node:16 AS build
2
3 WORKDIR /app
4
5 COPY package.json ./
6 COPY package-lock.json ./
7 RUN npm install
8 COPY . ./
9 RUN npm run build
10
11 FROM nginx:1.19-alpine
12 COPY --from=build /app/public /usr/share/nginx/html
```

TERMINAL

```
=> => extracting sha256:f1ac0452e7a7ce5a9781502e1bca3360748aa17c776748eb301c26ca8f5b294a 6.3s
=> => extracting sha256:7a53749a183a965985e17a671ec23dd3531d7db1f33675510464db37804814f3 0.0s
=> => extracting sha256:cd5d5e2c2112b1dd0abde4b75d6c8fcc68ad8550f63aba740430be7bd2e4 1.2s
=> => extracting sha256:5b97ac1cb7dedf622e127933f76533154651965d2992141df4a4ace9839c2034 0.1s
=> => extracting sha256:d05e77034f9fc3094d27aa7420eb460de7634b0b3ccfe659c0fc8a9e863cfb2f 0.0s
=> CACHED [stage-1 1/2] FROM docker.io/library/nginx:1.19-alpine@sha256:07ab71a2c8e4ecb19a5a5abcfb3a4f175946c001c8af288b1aa766d67b0d85d2 0.0s
=> [internal] load build context 0.1s
=> => transferring context: 2.78kB 0.0s
=> [auth] library/node:pull token for registry-1.docker.io 0.0s
=> [build 2/7] WORKDIR /app 3.2s
=> [build 3/7] COPY package.json ./ 0.1s
=> [build 4/7] COPY package-lock.json ./ 0.1s
=> [build 5/7] RUN npm install 9.1s
=> [build 6/7] COPY . ./ 0.1s
=> [build 7/7] RUN npm run build 2.8s
=> [stage-1 2/2] COPY --from=build /app/public /usr/share/nginx/html 0.1s
=> exporting to image 0.2s
=> => exporting layers 0.1s
=> => writing image sha256:c0aa65aef78c21a5c8227b3bbd20f9a484479b2b369e95b633a74ba98abea647 0.0s
=> => naming to docker.io/library/svelte-docker 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

E:\Downloads\Web course\Web projects\Plasma Donor Application>docker scan
Docker Scan relies upon access to Snyk, a third party provider, do you consent to proceed using Snyk? (y/N)
y
Usage: docker scan [OPTIONS] IMAGE

A tool to scan your images
```

Ln 12, Col 52 Spaces: 4 UTF-8 CRLF Dockerfile Go Live 214 B Spell Prettier

Raining now 11:55 AM 12-11-2022

File Edit Selection View Go Run Terminal Help

EXPLORER

PLASMA DONOR APPLICATION

vscode

dist

node_modules

public

src

dockerignore

gitignore

prettierrc.json

Dockerfile

index.html

jsconfig.json

netlify.toml

package-lock.json

package.json

postcss.config.js

README.md

style-guide.md

tailwind.config.js

vite.config.js

Dockerfile X .dockerignore

Dockerfile > ...

1 FROM node:16 AS build

2

3 WORKDIR /app

Docker Desktop Upgrade plan

badhrikesavaraja

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

Last refresh: Never 1 images Refresh to see disk usage Clean up

Images Give feedback

LOCAL REMOTE REPOSITORIES

Search

In use only

NAME ↑	TAG	IMAGE ID	CREATED	SIZE
svelte-docker	latest	c0aa65aef78c	less than a minute ago	25.57 MB

RAM 3.85GB CPU 0.12% Connected to Hub v4.13.0

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

E:\Downloads\Web course\Web projects\Plasma Donor Application>docker scan

Docker Scan relies upon access to Snyk, a third party provider, do you consent to proceed using Snyk? (y/N)

y

Usage: docker scan [OPTIONS] IMAGE

A tool to scan your images

cmd

6.3s

0.0s

1.2s

0.1s

0.0s

0.0s

0.1s

0.0s

0.0s

0.0s

3.2s

0.1s

0.1s

9.1s

0.1s

2.8s

0.1s

0.2s

0.1s

0.0s

0.0s

Ln 12, Col 52 Spaces: 4 UTF-8 CRLF Dockerfile Go Live 214 B Spell Prettier

Type here to search

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badhrikesavaraja/svelte-plasma-
Dockerize a Svelte App - Svelte S

hub.docker.com/r/badhrikesavaraja/svelte-plasma-bank-app

Wasm is a fast, light alternative to Linux containers – try it out today in the [Docker+Wasm Technical Preview](#)

dockerhub


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badhrikesavaraja

Explore badhrikesavaraja/svelte-plasma-bank-app



badhrikesavaraja/svelte-plasma-bank-app

By [badhrikesavaraja](#) • Updated a few seconds ago


Image

Manage Repository

Pulls 0

Overview

Tags




No overview available

This repository doesn't have an overview

Docker Pull Command

```
docker pull badhrikesavaraja/...
```

Type here to search



Rain

02:37 PM 12-11-2022