

Visual Studio Code interface showing a Dockerfile and terminal output.

**EXPLORER**

- sample\_react\_aditya\_devops
  - public
  - src
  - .gitignore
  - Dockerfile
  - package-lock.json
  - package.json
  - README.md

**Dockerfile**

```
1 FROM node:alpine
2 WORKDIR /app
3
4 COPY package.json .
5 RUN npm install
6 COPY . .
7 CMD ["npm", "start"]
```

**Terminal**

```
C:\Windows\System32\cmd.exe
> [1/5] RUN npm install
-> [2/5] COPY
-> exporting to image
-> exporting layers
-> writing image sha256:09e0b4da5ae5732d390f58d2b042ef7d79d20da.ecf3a0b5771905d8cb40ddab
-> naming to docker.io/library/geetha

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

C:\Users\hp\OneDrive\Desktop\activity 2\sample_react_aditya_devops>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
geetha        latest    09e0b4da5ae57  32 seconds ago  585MB
ubuntu        latest    58b3eda72be    3 weeks ago   77.0MB

C:\Users\hp\OneDrive\Desktop\activity 2\sample_react_aditya_devops>docker tag geetha:latest jadageethabhavani/bhavani

C:\Users\hp\OneDrive\Desktop\activity 2\sample_react_aditya_devops>docker push jadageethabhavani/bhavani
Using default tag: latest
The push refers to repository [docker.io/jadageethabhavani/bhavani]
767af62ae967: Pushed
ea4d4a9d1b2: Pushed
142c68999d9: Pushed
4f03d57ad537: Pushed
a2ef0827220: Mounted from library/node
73181d522b46: Mounted from library/node
4a3c4267f4ec: Mounted from library/node
7cd52847ad77: Mounted from library/node
latest: digest: sha256:6853db39956c726ac2d801b3cd15d5750a5cc5ce24ad4037fe3fa3191157330 size: 1995

C:\Users\hp\OneDrive\Desktop\activity 2\sample_react_aditya_devops>docker run -d -p 3000:3000 geetha
9d3996c5e22ab5ef418580b0e7275bf5b2382e6a0d3719cc80e4b636d204f1

C:\Users\hp\OneDrive\Desktop\activity 2\sample_react_aditya_devops>
```

C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.22000.1574]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp\OneDrive\Desktop\activity 2\sample\_react\_aditya\_devops>Docker login

Authenticating with existing credentials...

Login succeeded

Logging in with your password grants your terminal complete access to your account.

For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Users\hp\OneDrive\Desktop\activity 2\sample\_react\_aditya\_devops>Docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 58db3edaf2be 3 weeks ago 77.8MB

C:\Users\hp\OneDrive\Desktop\activity 2\sample\_react\_aditya\_devops>Docker build -t geetha .

[+] Building 239.2s (11/11) FINISHED

=> [internal] load build definition from Dockerfile

=> => transferring dockerfile: 141B

=> [internal] load .dockerignore

=> => transferring context: 2B

=> [internal] load metadata for docker.io/library/node:alpine

=> [auth] library/node:pull token for registry-1.docker.io

=> [1/5] FROM docker.io/library/node:alpine@sha256:78fa26eb2b881e9085253e816ed75eaf6f82bfeecale1956f476356f058d816

=> => resolve docker.io/library/node:alpine@sha256:78fa26eb2b881e9085253e816ed75eaf6f82bfeecale1956f476356f058d816

=> sha256:6d0eaf989f2421184108186easaf9b0e529e18e42e3538e8b3e09276231 1.18kB / 1.18kB

=> sha256:4015c4dcbab15281fd11895d2dbd0e0b251eb4d0a7db34620bb04f80265518 6.44kB / 6.44kB

=> sha256:63b65145d6d5c1250c391b2d10eb53b3747c295ca8ba2fcbb0bcf064d6c21c 3.37MB / 3.37MB

=> sha256:2012d4d8eadf63e45323afa05d6ea85d2b81a960b799250ac371b2e54016eb 48.05MB / 48.05MB

=> sha256:5ac0980b54c02f53fcb049d0eecc4a8f3dbac353d930112be745376db7135a9 2.39kB / 2.39kB

=> sha256:78fa26eb2b881e9085253e816ed75eaf6f82bfeecale1956f476356f058d816 1.43kB / 1.43kB

=> sha256:8e164879ca98173d6e21dabbf4b71d497c5909755c0f0f0899ef9c28961541b 453B / 453B

=> extracting sha256:63b65145d6d5c1250c391b2d10eb53b3747c295ca8ba2fcbb0bcf064d6c21c

=> extracting sha256:2012d4d8eadf63e45323afa05d6ea85d2b81a960b799250ac371b2e54016eb

=> extracting sha256:5ac0980b54c02f53fcb049d0eecc4a8f3dbac353d930112be745376db7135a9

=> extracting sha256:8e164879ca98173d6e21dabbf4b71d497c5909755c0f0f0899ef9c28961541b

=> [internal] load build context

=> => transferring context: 1.68MB

=> [2/5] WORKDIR /app

=> [3/5] COPY package.json .

=> [4/5] RUN npm install

=> [5/5] COPY .

=> exporting to image

=> => exporting layers

=> writing image sha256:09e0645ae572d3396f385d2b9d2ef76f9d384cecf56a05771985d8eb494da0

=> => naming to docker.io/library/geetha

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

C:\Users\hp\OneDrive\Desktop\activity 2\sample\_react\_aditya\_devops>Docker images

Docker Desktop

Upgrade plan

Search

Ctrl+K

Containers

Give feedback

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Images

Volumes

Dev Environments BETA

Extensions

Add Extensions

Only show running containers

Search

	Name	Image	Status	Port(s)	Started	Actions
<input type="checkbox"/>	elated_cerf 10b972f580b3	ubuntu	Exited (137)			<div></div>
<input type="checkbox"/>	vigilant_gates 9d3996c5e22a	geetha	Running	3000:3000	3 minutes ago	<div></div>

Showing 2 items

RAM 2.98 GB CPU 0.12% Connected to Hub

v4.16.3

Docker Desktop

Upgrade plan

Search

Ctrl+K

jadage...

Containers

Images

Volumes

Dev Environments BETA

Extensions

Add Extensions

Images

[Give feedback](#)

An image is a read-only template with instructions for creating a Docker container. [Learn more](#)

LocalHub

662.48 MB / 77.8 MB in use3 images

Last refresh: 31 minutes ago

Search

	Name	Tag	Status	Created	Size	Actions
<input type="checkbox"/>	<b>jadageethabhavani/bhavani</b> 09e064a5ae57	latest	In use	7 minutes ago	584.68 MB	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>
<input type="checkbox"/>	<b>geetha</b> 09e064a5ae57	latest	In use	7 minutes ago	584.68 MB	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>
<input type="checkbox"/>	<b>ubuntu</b> 58db3edaf2be	latest	In use	24 days ago	77.8 MB	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>

Showing 3 items

RAM 2.98 GB

CPU 0.23%

Connected to Hub

v4.16.3

jadageethabhavani/bhavani gen

http://localhost:3000

Amazon

hub.docker.com/repository/docker/jadageethabhavani/bhavani/general

Wasm is a fast, light alternative to Linux containers - try it out today with the Docker+Wasm Beta.

dockerhub

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Upgrade

jadageethabhavani

jadageethabhavani

Repositories

bhavani

General

Using 0 of 1 private repositories. [Get more](#)

General

Tags

Builds

Collaborators

Webhooks

Settings

1

Add a short description for this repository

The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.

[Update](#)

jadageethabhavani / bhavani

Description

This repository does not have a description

Last pushed: a few seconds ago

Docker commands

To push a new tag to this repository,

`docker push jadageethabhavani/bhavani:tagname`

[Public View](#)

Tags

VULNERABILITY SCANNING - DISABLED

[Enable](#)

This repository is empty. When it's not empty, you'll see a list of the most recent tags here.

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions.

19:07

19-02-2023

