

WIPRO EXERCISE (2141004162)

Hosting a Basic Website with Docker Desktop (my-website)

DOCKER BUILD AND RUN

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\ashut\OneDrive\Desktop\my-website> docker build -t my-website .
[+] Building 40.8s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 343B
=> [internal] load metadata for docker.io/library/nginx:alpine
=> [auth] library/nginx:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 643B
=> CACHED [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b7
=> [2/2] COPY index.html /usr/share/nginx/html/index.html
=> exporting to image
=> => exporting layers
=> => writing image sha256:f710f980561d5db1ccaa35e0f571d813efc5d4005433420ce5496c253de37b97
=> => naming to docker.io/library/my-website

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/tg0rujzalpqo6qy0uy3sdaxhb
PS C:\Users\ashut\OneDrive\Desktop\my-website> docker run -d -p 8080:80 --name my-website-container my-website
8bb0ca11911e2c79c6cc1505fcf40afd742e8277c54c05103d1e286b52e8c7c
PS C:\Users\ashut\OneDrive\Desktop\my-website> |
```

DOCKER CONTAINER

Ask Gordon BETA

Containers

Images

Volumes

Builds

Docker Hub

Docker Scout

Extensions

Containers

View all your running containers and applications. [Learn more](#)

Container CPU usage 0.00% / 800% (8 CPUs available)

Container memory usage 8.91MB / 7.5GB

Show charts

Search

Only show running containers

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	my-bootstrap-website-cont	dabc6cb43611	my-bootstrap-website	8080:80	0%	5 hours ago	▶ ⋮ 🗑
<input checked="" type="checkbox"/>	my-website-container	04418af03167	my-website	8080:80	0%	2 minutes ago	▶ ⋮ 🗑

Showing 2 items

Walkthroughs

Multi-container applications
8 mins

`$ docker init` Containerize your application
3 mins

[View more in the Learning center](#)

Engine running

RAM 2.24 GB CPU 0.00% Disk: 1.26 GB used (limit 1006.85 GB)

Terminal v4.40.0

DOCKER IMAGE

Ask Gordon BETA

Containers

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Extensions

Images

[Give feedback](#)

View and manage your local and Docker Hub images. [Learn more](#)

Local

Docker Hub repositories

48.24 MB / 0 Bytes in use 4 images

Last refresh: 5 hours ago

Q Search

<input type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions		
<input type="checkbox"/>	my-bootstrap-website	latest	47672a67a425	5 hours ago	48.24 MB			
<input type="checkbox"/>	nginx	stable-alpine3.21-perl	774789808095	22 hours ago	86.57 MB			
<input type="checkbox"/>	alpine	latest	aded1e1a5b37	2 months ago	7.83 MB			
<input type="checkbox"/>	my-website	latest	81c0698cf037	5 hours ago	48.23 MB			

Showing 4 items

Walkthroughs

1 FROM node

2 RUN mkdir -p

3 WORKDIR /app

4 COPY package

How do I run a container?

6 mins

Run Docker Hub images

5 mins

[View more in the Learning center](#)

Engine running

RAM 2.24 GB CPU 0.25% Disk: 1.26 GB used (limit 1006.85 GB)

Terminal

v4.40.0

OUTPUT

Welcome to My Docker Website!

This is a simple static website hosted using Nginx and Docker.

Hosting a Basic Website with CSS, jQuery, and Bootstrap using Docker Desktop (my-bootstrap-website)

DOCKER BUILD AND RUN

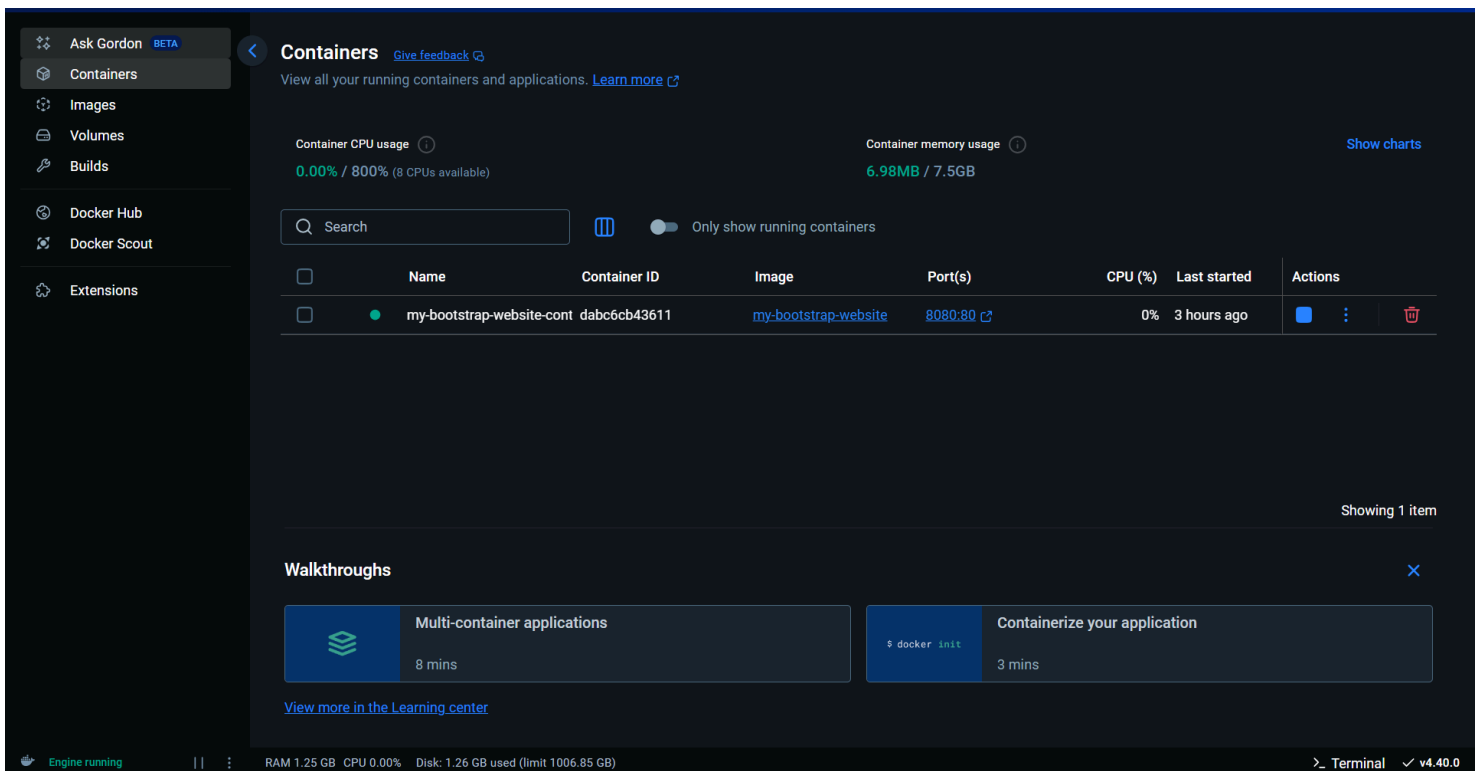
```
Windows PowerShell
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> docker build -t my-bootstrap-website .
[+] Building 1.3s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 410B
=> [internal] load metadata for docker.io/library/nginx:alpine
=> [internal] load .dockerignore
=> => transferring context: 2B
=> CACHED [1/4] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10
=> [internal] load build context
=> => transferring context: 1.61kB
=> [2/4] COPY index.html /usr/share/nginx/html/
=> [3/4] COPY styles.css /usr/share/nginx/html/
=> [4/4] COPY script.js /usr/share/nginx/html/
=> exporting to image
=> => exporting layers
=> => writing image sha256:2cc1e963ede19a121d7f388835f8140c0d6746c9e5cb4bc5b041889d74319266
=> => naming to docker.io/library/my-bootstrap-website

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/y3sd67w7nv5c4c8y3zxbynfxm
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> docker run -d -p 8080:80 --name my-bootstrap-website-container my-bootstrap-website
0e808a6ab0db18ca67ba6e7673863d261e320ce78a14e53db9e13def326f8e2a
docker: Error response from daemon: failed to set up container networking: driver failed programming external connectivity on endpoint my-bootstrap-website-container (176cd0360282cb28e0d93489afde4aea2c661b8c84c8db382421241f1c9b3c93): Bind for 0.0.0.0:8080 failed: port is already allocated

Run 'docker run --help' for more information
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> docker run -d -p 8080:80 --name my-bootstrap-website-container my-bootstrap-website
docker: Error response from daemon: Conflict. The container name "/my-bootstrap-website-container" is already in use by container "0e808a6ab0db18ca67ba6e7673863d261e320ce78a14e53db9e13def326f8e2a". You have to remove (or rename) that container to be able to reuse that name.

Run 'docker run --help' for more information
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> |
```

DOCKER CONTAINER



DOCKER IMAGE

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Images [Give feedback](#)

View and manage your local and Docker Hub images. [Learn more](#)

Local Docker Hub repositories

48.24 MB / 0 Bytes in use 3 Images Last refresh: 4 hours ago

Q Search

<input type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	nginx	stable-alpine3.21-perl	774789808095	20 hours ago	86.57 MB	▶ ⋮ 🗑
<input type="checkbox"/>	alpine	latest	aded1e1a5b37	2 months ago	7.83 MB	▶ ⋮ 🗑
<input type="checkbox"/>	my-bootstrap-website	latest	47672a67a425	3 hours ago	48.24 MB	▶ ⋮ 🗑

Showing 3 items

Walkthroughs

1 FROM node


2 RUN mkdir -p

3 WORKDIR /app

4 COPY package

How do I run a container?


6 mins

 docker hub image

Run Docker Hub images

5 mins

[View more in the Learning center](#)

 Engine running

RAM 1.25 GB CPU 0.13% Disk: 1.26 GB used (limit 1006.85 GB)

[Terminal](#) v4.40.0

OUTPUT

Welcome to My Docker Website!

This website uses Bootstrap, jQuery, and custom CSS, hosted with Nginx and Docker.

Toggle Message

OUTPUT (TOGGLE)

Welcome to My Docker Website!

This website uses Bootstrap, jQuery, and custom CSS, hosted with Nginx and Docker.

Toggle Message

Hello! This message was toggled using jQuery.