

Hosting a Basic Website with Docker Desktop

Name-Mihir Kumar

Regd. No.-2141011109

```
Command Prompt
Microsoft Windows [Version 10.0.26100.3775]
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C:\Users\MIHIR KUMAR>cd Desktop

C:\Users\MIHIR KUMAR\Desktop>mkdir my-website

C:\Users\MIHIR KUMAR\Desktop>cd my-website

C:\Users\MIHIR KUMAR\Desktop\my-website>docker build -t my-website .
[+] Building 13.7s (8/8) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile              0.1s
=> => transferring dockerfile: 335B                               0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine  8.0s
=> [auth] library/nginx:pull token for registry-1.docker.io     0.0s
=> [internal] load .dockerignore                                  0.1s
=> => transferring context: 2B                                       0.0s
=> [internal] load build context                                  0.1s
=> => transferring context: 526B                                       0.0s
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f  4.9s
=> => resolve docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f  0.1s
=> => sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674 1.79MB / 1.79MB  0.7s
=> => sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 629B / 629B  0.9s
=> => sha256:6769dc3a703c719c1d2756bda113659be28ae16cf0da58dd5fd823d6b9a050ea 10.79kB / 10.79kB  0.0s
=> => sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d5773 955B / 955B  0.9s
=> => sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10 10.33kB / 10.33kB  0.0s
=> => sha256:62223d644fa234c3a1cc785ee14242ec47a77364226f1c811d2f669f96dc2ac8 2.50kB / 2.50kB  0.0s
=> => extracting sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674 0.1s
=> => sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f582948 402B / 402B  1.2s
=> => extracting sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 0.0s

=> => transferring context: 526B                                       0.0s
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f  4.9s
=> => resolve docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f  0.1s
=> => sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674 1.79MB / 1.79MB  0.7s
=> => sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 629B / 629B  0.9s
=> => sha256:6769dc3a703c719c1d2756bda113659be28ae16cf0da58dd5fd823d6b9a050ea 10.79kB / 10.79kB  0.0s
=> => sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d5773 955B / 955B  0.9s
=> => sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10 10.33kB / 10.33kB  0.0s
=> => sha256:62223d644fa234c3a1cc785ee14242ec47a77364226f1c811d2f669f96dc2ac8 2.50kB / 2.50kB  0.0s
=> => extracting sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674 0.1s
=> => sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f582948 402B / 402B  1.2s
=> => extracting sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 0.0s
=> => extracting sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d5773 0.0s
=> => sha256:197eb75867ef4fcedcd4724f17b0972ab0489436860a594a9445f8eaff8155053 1.21kB / 1.21kB  1.3s
=> => sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a3102 1.40kB / 1.40kB  1.3s
=> => extracting sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f582948 0.0s
=> => extracting sha256:197eb75867ef4fcedcd4724f17b0972ab0489436860a594a9445f8eaff8155053 0.0s
=> => sha256:39c2ddfd6010082a4a646e7ca44e95aca9bf3eaeabc00f17f7ccc2954004f2a7d 15.52MB / 15.52MB  4.2s
=> => extracting sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a3102 0.0s
=> => extracting sha256:39c2ddfd6010082a4a646e7ca44e95aca9bf3eaeabc00f17f7ccc2954004f2a7d 0.3s
=> [2/2] COPY index.html /usr/share/nginx/html/index.html      0.3s
=> => exporting to image                                                0.1s
=> => exporting layers                                                  0.0s
=> => writing image sha256:05b93bdaad7e50c725d3a71fbc3b4924678e9a39d6f8d160c7c5fc43edbaseb 0.0s
=> => naming to docker.io/library/my-website                          0.0s

:\Users\MIHIR KUMAR\Desktop\my-website>docker run -d -p 8080:80 --name my-website-container my-website
12250bdf60ef01ce670641575b669a2cd7aea2494c51cace50c734d3b3dbf41
```

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Local

Docker Hub repositories

1.54 GB / 1.58 GB in use

8 images

Last refresh: 48 minutes ago

Q Search

<input type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	socket-c-server	latest	01ffcb914712	14 days ago	1.42 GB	
<input type="checkbox"/>	socket-c-client	latest	bb86afd76c16	14 days ago	1.42 GB	
<input type="checkbox"/>	python-client	latest	583f1016388d	14 days ago	1 GB	
<input type="checkbox"/>	python-server	latest	35796dc79645	14 days ago	1 GB	
<input type="checkbox"/>	python	latest	f285e872b452	16 days ago	1.01 GB	
<input type="checkbox"/>	hello-world	latest	74cc54e27dc4	3 months ago	10.07 KB	
<input type="checkbox"/>	nginx	stable-alpine3.21-perl	774789808095	17 hours ago	86.57 MB	
<input type="checkbox"/>	my-website	latest	05b93bdaad7e	10 minutes ag	48.23 MB	

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Container CPU usage

0.00% / 1400% (14 CPUs available)

Container memory usage

11.75MB / 7.33GB

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☐ Only show running containers

<input type="checkbox"/>	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	client-run-d9b35b8b838e	7ffe088cbe25	socket-c-client		0%	14 days ago	
<input type="checkbox"/>	server-run-2c3622febe2a	a7f3a00e5264	socket-c-server		0%	14 days ago	
<input type="checkbox"/>	my-website-container	612250bdf60e	my-website	8080:80	0%	6 minutes ago	
<input type="checkbox"/>	socket-c	-	-	-	0%	14 days ago	
<input type="checkbox"/>	python	-	-	-	0%	14 days ago	

localhost:8080

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

Name-Mihir Kumar

Regd. No.-2141011109

```
MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop (master)
$ mkdir my-bootstrap-website

MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop (master)
$ cd my-bootstrap-website

MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop/my-bootstrap-website (master)
$ touch index.html

MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop/my-bootstrap-website (master)
$ touch styles.css

MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop/my-bootstrap-website (master)
$ touch script.js

MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop/my-bootstrap-website (master)
$ touch Dockerfile
```

```
MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop/my-bootstrap-website (master)
$ docker build -t my-bootstrap-website .
#0 building with "desktop-linux" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 402B done
#1 DONE 0.0s

#2 [internal] load metadata for docker.io/library/nginx:alpine
#2 ...

#3 [auth] library/nginx:pull token for registry-1.docker.io
#3 DONE 0.0s

#2 [internal] load metadata for docker.io/library/nginx:alpine
#2 DONE 3.5s

#4 [internal] load .dockerignore
#4 transferring context: 2B done
#4 DONE 0.0s

#5 [internal] load build context
#5 transferring context: 1.46kB done
#5 DONE 0.0s

#6 [1/4] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10
#6 CACHED

#7 [2/4] COPY index.html /usr/share/nginx/html/
#7 DONE 0.1s

#8 [3/4] COPY styles.css /usr/share/nginx/html/
#8 DONE 0.1s

#9 [4/4] COPY script.js /usr/share/nginx/html/
#9 DONE 0.1s

#10 exporting to image
#10 exporting layers 0.1s done
#10 writing image sha256:2dbe18efb19f0375241517120b8acb480ba6f0de30d332d2ad3473129cbd94b7 done
#10 naming to docker.io/library/my-bootstrap-website done
#10 DONE 0.1s
```

```
MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop/my-bootstrap-website (master)
$ docker run -d -p 8080:80 --name my-bootstrap-website-container my-bootstrap-website
7645da65c3882bd6a32d94c99db89034534e0d508bac9f6e59611eabb3366bf

MIHIR KUMAR@LAPTOP-8L9A0TAA MINGW64 ~/Desktop/my-bootstrap-website (master)
$ |
```



