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EXP-14

MAKING DOCKER FILE

Applications

Places

Google Chrome

Tue Dec 1 12:11 PM

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Continuous Integration

Docker Hub

Deploy Static HTML Webs

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Apps

strstr() function...

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Deploy Static HTML Website as Container

Step 1 of 3

on the Linux Alpine distribution.

Task

Create your *Dockerfile* for building your image by copying the contents below into the editor.

FROM nginx:alpine

COPY . /usr/share/nginx/html

Copy to Editor

The first line defines our base image. The second line copies the content of the current directory into a particular location inside the container.

CONTINUE

Dockerfile

1 FROM nginx:alpine

2 COPY . /usr/share/nginx/html

3

Terminal

docker:80

Your Interactive Bash Terminal. A safe place to learn and execute commands.

\$

\$

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Deploy Static HTML Website as Container

Step 2 of 3

Build our static HTML image using the build command below.

docker build -t webserver-image:v1 .

✓

You can view a list of all the images on the host using `docker images`.

The built image will have the name *webserver-image* with a tag of *v1*.

CONTINUE

Dockerfile

1 FROM nginx:alpine

2 COPY . /usr/share/nginx/html

3

Terminal

docker:80

Your Interactive Bash Terminal. A safe place to learn and execute commands.

\$

\$ docker build -t webserver-image:v1 .

Sending build context to Docker daemon 3.072kB

Step 1/2 : FROM nginx:alpine

alpine: Pulling from library/nginx

188c0c94c7c5: Already exists

617561f33ec6: Pull complete

7d856acdaa9c: Pull complete

a0d3c6e28e6d: Pull complete

af69a9b963c8: Pull complete

Digest: sha256:1e9c503db9913a59156f78c6420f6e2f01c8a3b71ceeedcd7f604c4db0f045e

Status: Image is up to date for nginx:alpine

--> 98ab35023fd6

Step 2/2 : COPY . /usr/share/nginx/html

--> c2b1074e97fa

Successfully built c2b1074e97fa

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Deploy Static HTML Website as Container

Step 2 of 3

Build our static HTML image using the build command below.

`docker build -t webserver-image:v1 .`

You can view a list of all the images on the host using `docker images`.

The built image will have the name *webserver-image* with a tag of *v1*.

CONTINUE

Dockerfile

1 FROM nginx:alpine  
2 COPY . /usr/share/nginx/html  
3

Terminaldocker:80

\$ docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
webserver-image	v1	c2b1074e97fa	35 seconds ago	22.3MB
nginx	alpine	98ab35023fd6	6 days ago	22.3MB
ubuntu	latest	16508e5c265d	2 years ago	84.1MB
redis	latest	4e8db158f18d	2 years ago	83.4MB
weaveworks/scope	1.9.1	4b07159e407b	2 years ago	68MB
alpine	latest	11cd0b38bc3c	2 years ago	4.41MB

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Deploy Static HTML Website as Container

Step 3 of 3

<host-port>:<container-port>.

Task

Launch our newly built image providing the friendly name and tag. As it's a web server, bind port 80 to our host using the *-p* parameter.

`docker run -d -p 80:80 webserver-image:v1`

Once started, you'll be able to access the results of port 80 via `curl docker`.

To render the requests in the browser use the following links

<https://2886795354-80-elsy05.environments.katacoda.com/>

You now have a static HTML website beind served

Dockerfile

1 FROM nginx:alpine  
2 COPY . /usr/share/nginx/html  
3

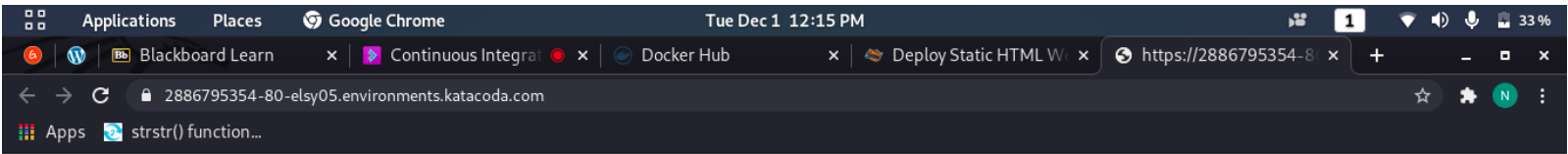
Terminaldocker:80

\$ docker run -d -p 80:80 webserver-image:v1

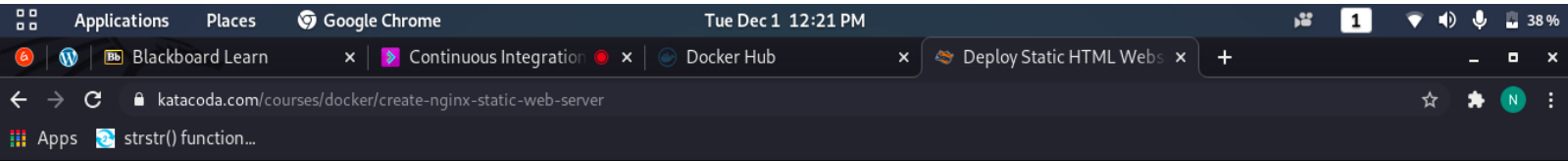
db28fb2f09622d95403753cfd99852c82a4957aaf9becb79b25b166bf6a773c

\$ curl docker

<h1>Hello World</h1>



# Hello World



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## Deploy Static HTML Website as Container

Step 3 of 3

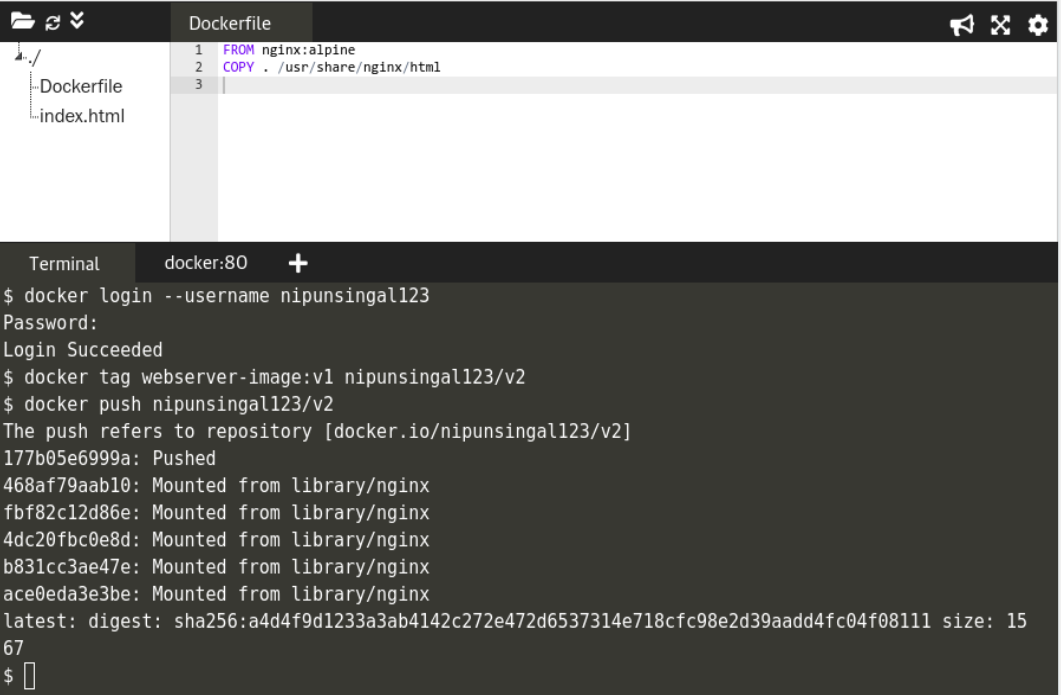
Once started, you'll be able to access the results of port 80 via `curl docker` ✓

To render the requests in the browser use the following links

<https://2886795310-80-ollie08.environments.katacoda.com/>

You now have a static HTML website being served by Nginx.

CONTINUE




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hub.docker.com

Apps strstr() function...

Pull rate limits for certain users are being introduced to Docker Hub starting November 2nd. [Learn more](#)

 Search for great content (e.g., mysql)

ExploreRepositoriesOrganizationsGet Help

nipunsingal123

nipunsingal123

Search by repository name...

Create Repository

nipunsingal123 / v2


Updated a few seconds ago

Not Scanned

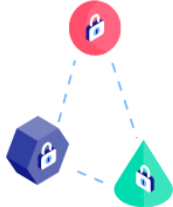
0

1

Public



Tip: Not finding your repository? Try switching namespace via the top left dropdown.



Create an Organization  
Manage Docker Hub repositories  
with your team

New Subscription Plans  
Available!

Starting at just \$5/month, get  
access to unlimited private  
repositories, image retention, and  
authenticated pulls with