MAKING YOUR OWN DOCKER IMAGE OF BASIC HTML WEBSITE AND PUSHING TO DOCKERHUB

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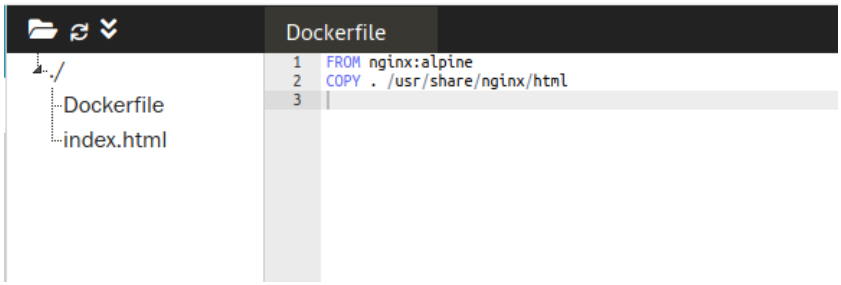
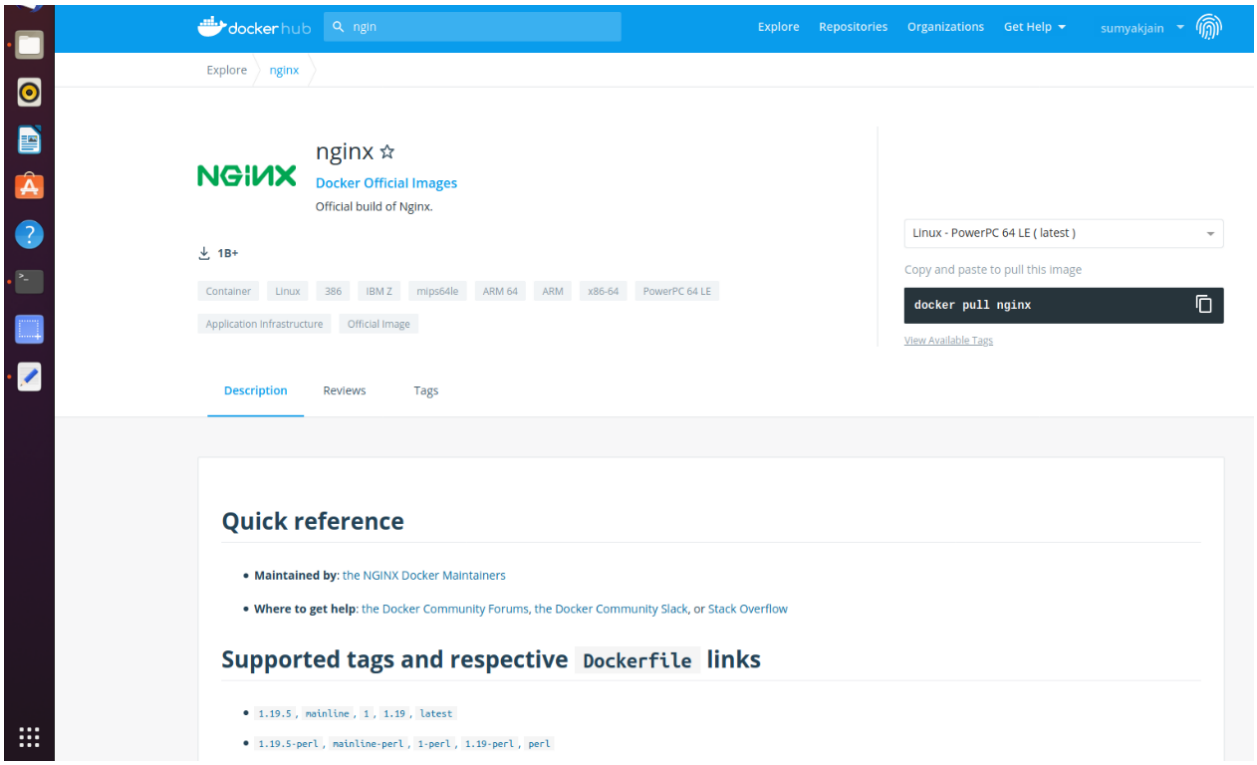
STEP 1) create a dockerfile with the following information



You can also check for the image on dockerhub



STEP 2) Build your docker image using a dockerfile

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*.

And Check for your image

```
$ docker build -t webserver-image:v1 .
Sending build context to Docker daemon  3.072kB
Step 1/2 : FROM nginx:alpine
 ---> 98ab35023fd6
Step 2/2 : COPY . /usr/share/nginx/html
 ---> 7ca120ec4d2e
Successfully built 7ca120ec4d2e
Successfully tagged webserver-image:v1
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
webserver-image     v1                  7ca120ec4d2e        11 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
```

STEP 3) Run your image and access it to a port 8080

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 ✓`

```
$ docker run -d -p 80:80 webserver-image:v1
bf551545891c5e37f9d2dc95043277f791815bd0f55c115586a1589dfcabc32a
$ curl docker
<h1>Hello World</h1>
```

STEP 4) push to docker hub

Login to dockerhub

```
$ docker login --username sumyakjain
Password:
Login Succeeded
```

Provide the tag for your docker image

```
$ docker tag webserver-image sumyakjain/practice
Error response from daemon: No such image: webserver-image:latest
$ docker tag webserver-image:v1 sumyakjain/practice
$ docker images
REPOSITORY           TAG                 IMAGE ID            CREATED             SIZE
webserver-image      v1                  7ca120ec4d2e        13 minutes ago      22.3MB
sumyakjain/practice  latest              7ca120ec4d2e        13 minutes 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
```

Push on dockerhub

```
$ docker push sumyakjain/practice
The push refers to repository [docker.io/sumyakjain/practice]
cd4a1d914367: Pushed
468af79aab10: Mounted from library/nginx
fbf82c12d86e: Mounted from library/nginx
4dc20fbc0e8d: Mounted from library/nginx
b831cc3ae47e: Mounted from library/nginx
ace0eda3e3be: Mounted from library/nginx
latest: digest: sha256:eefc9dda267a1cc707919cc851bfa66e8a038cf1558fd27037b44f633ec69d9b
size: 1567
```

Check for the image on dockerhub