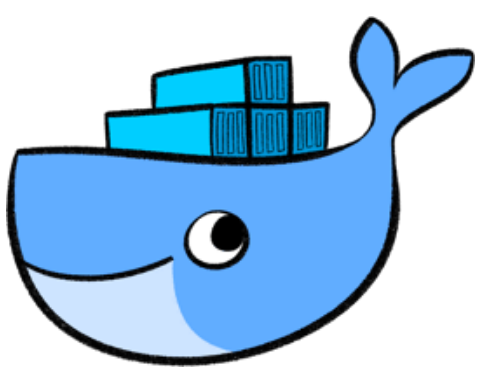
GET STARTED WITH NGINX ON DOCKER

The idea of this mini-tutorial is to implement a web application with NGINX and Docker, also understand the steps to use the Dockerfile, and create the Docker image and the container.



NGINX

To make this mini tutorial we have used Docker Engine, Nginx, and HTML.

1 Create a directory for our application

Let's create a directory called, "my-website", which will contain our web application.

my-home

my-website

Edith Puclla

2 Create the website in HTML

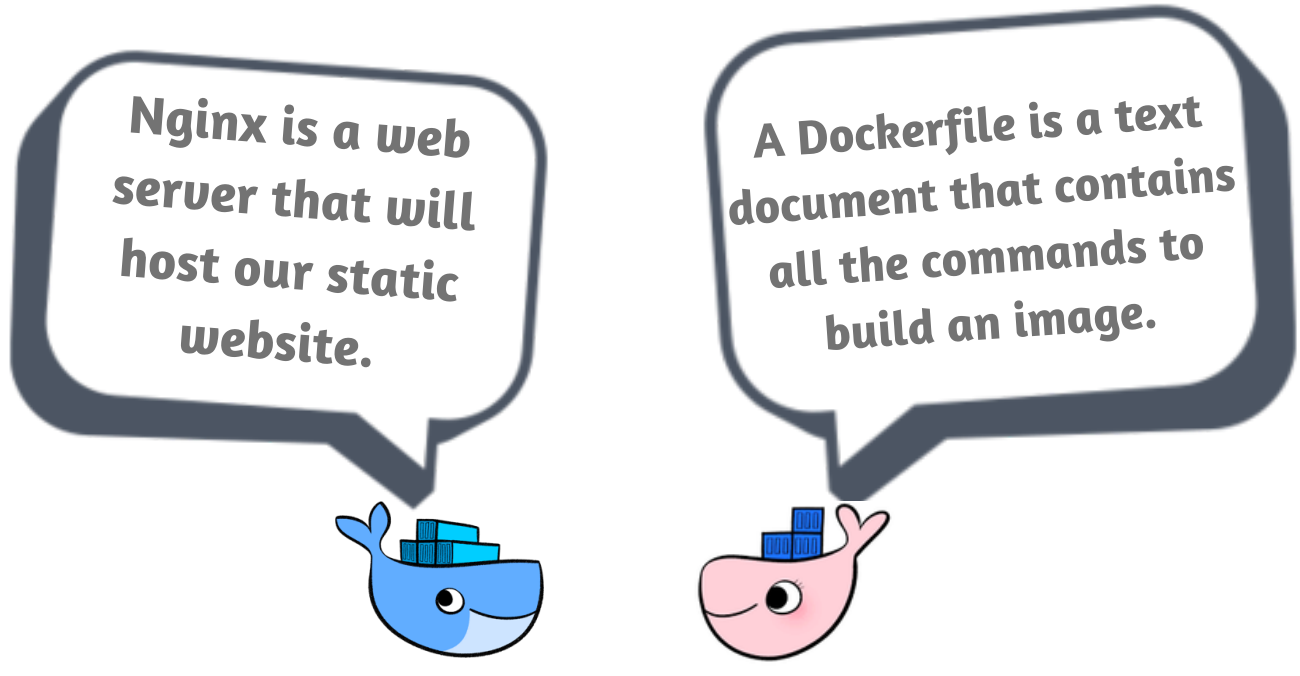
Inside "my-website" directory, create an HTML web page: index.html

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Basic Website</title>
    </head>
    <body>
        <h1>Hello Docker Community!</h1>
        <img src="https://www.docker.com/wp-content/uploads/2021/10/moby_tux_go.png">
    </body>
</html>
```

3 Create a Dockerfile based on the Nginx image

With "FROM" this Dockerfile indicates to use the Nginx image
We need to "COPY" our website file "index.html" into the default public web root for Nginx to make it visible in our browser.

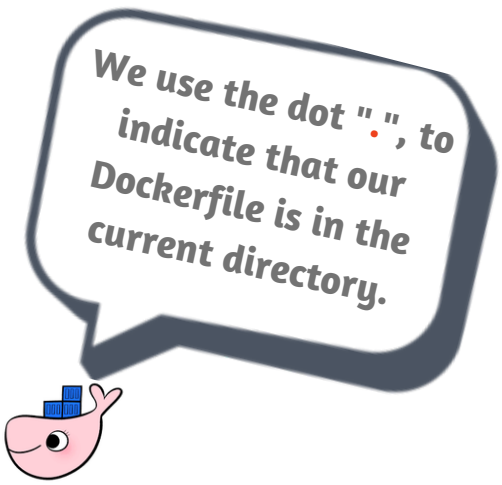
```
FROM nginx:stable

COPY index.html /usr/share/nginx/html/
```



4 Build the Dockerfile

We will build our image with the Dockerfile already defined. The name of our image will be "my-website"

```
docker build -t my-website .
```



5 Run the Container

Now, let's create the container for our website. Our website will be published in port 8080 of our host. And the name of our container will be "my-website".

```
docker run --rm --name my-website -d -p 8080:80 my-website
```

6 *Check the website on the browser*

We open the browser and, see our static webpage in port 8080.