

Setup Docker based Website

Create the Website Files:

Create a directory for your website files. Inside that directory, create an index.html file with the following content:

```
<!DOCTYPE html>
<html>
<head>
<title>Hello, Docker!</title>
</head>
<body>
<h1>Hello, Docker!</h1>
<p>This is a simple Docker container-based website.</p>
</body>
</html>
```

Create a Dockerfile:

Create a file named Dockerfile in the same directory as your website files. This file will define how to build your Docker container.

```
# Use the official Nginx image as the base image
FROM nginx:latest
```

```
# Copy the website files into the container's web directory
COPY ./ /usr/share/nginx/html/
```

Build the Docker Image:

Open a terminal in the directory containing your website files and the Dockerfile. Use the following command to build the Docker image:

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

Replace my-website with a name for your Docker image.

Run the Docker Container:

After the image is built, you can run a container based on it using the following command:

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

Access the Website:

Open a web browser and navigate to <http://localhost:8080> to see your "Hello, Docker!" website.