3c-Docker

November 2, 2024

1 Docker

See Gentle Intro to Docker

1.1 Build

1. Start CodeSpaces from this repo
2. Login to Docker Hub using these instructions
3. Build the image using these instructions

1.2 Your own webserver

1. Start CodeSpaces from this repo
2. Start Apache using this command

```
docker container run -d --name apache -p 8080:80 ubuntu/apache2
```

1. View the webserver by clicking on this URL: http://localhost:8080

2. Create a web page

```
cat <<'eof' > hw.html
<!DOCTYPE html>
<html>
  <head>
    <title>This is a title</title>
  </head>
  <body>
    <div>
        <p>Hello world!</p>
    </div>
  </body>
</html>
eof
```

1. Copy html page into docker container

```
docker cp hw.html apache:/var/www/html/
```

1. View new webpage

- http://localhost:8080/hw.html

1. View apache logs

```
docker container logs apache
```

`[ ]:`