

# Relatório atividade 3 da trilha de docker

- Depois de ter criado o servidor rodando na porta 3000, foi criar um Dockerfile como mostrado na figura:

```
Dockerfile > ...
1 # syntax=docker/dockerfile:1
2
3 FROM node:latest
4 WORKDIR /ex3
5 COPY package*.json .
6 RUN npm install
7 COPY . .
8 EXPOSE 3000
9 CMD ["node", "server.js"]
```

- Com o comando “docker build -t ex3 .” buildamos a imagem:

```
[+] Building 99.2s (14/14) FINISHED
=> [internal] load .dockerignore 0.25s
=> [auth] library/node:pull token for registry-1.docker.io 0.05s
=> [1/5] FROM docker.io/library/node:latest@sha256:68ba78ba4a648b0eb50aa35b58126c88f6caa0ccb5560b7487a7d4fb4b8e9e9 88.05s
=> resolve docker.io/library/node:latest@sha256:68ba78ba4a648b0eb50aa35b58126c88f6caa0ccb5560b7487a7d4fb4b8e9e9 0.11s
=> sha256:68ba78ba4a648b0eb50aa35b58126c88f6caa0ccb5560b7487a7d4fb4b8e9e9 1.21kB / 1.21kB 0.05s
=> sha256:109baa4cc978d34d3f3fbac170fc96a72178c4acc600c938886f2f932385afd9 7.23kB / 7.23kB 0.05s
=> sha256:a54de93a8e8fb38c2b63e647bf0ba61e628cad710e6378dd70ebf2d6903473b0 2.00kB / 2.00kB 0.05s
=> sha256:918547b9432687b1e1d238e82dc1e0ea0b736aafb3c402eea98c6db81a9cb65 55.05MB / 55.05MB 26.05s
=> sha256:4eadd9c5abf7e5f63753a5e788cb0872a715fa1141e8ce5ea87638e6cd370a41 54.58MB / 54.58MB 32.45s
=> sha256:5d79063a01c561833dc6546d4e647fda0121a59e1a9a17874a3e30854555475e 15.76MB / 15.76MB 7.11s
=> sha256:9cdadd40055fb82fef74a0a38f29fb1ee7be922e18370ebdc3502ec66f79fa3f 196.85MB / 196.85MB 64.65s
=> sha256:b58a51cb8a5618947ffed9b5650d08c891b7b33e66d86ccc5c4c6364ee4fa98 4.20kB / 4.20kB 26.35s
=> sha256:67e7a25ed15ae376a4734de4c83b38201cb0f64fa3814d488e5bfabfa14478b2 47.55MB / 47.55MB 45.25s
=> extracting sha256:918547b9432687b1e1d238e82dc1e0ea0b736aafb3c402eea98c6db81a9cb65 5.9s
=> sha256:eff2bc16bac71e9215b99afe40580473ac881a408bcffc0e9f94fafd8a3d3d 2.27MB / 2.27MB 35.05s
=> extracting sha256:5d79063a01c561833dc6546d4e647fda0121a59e1a9a17874a3e30854555475e 1.1s
=> extracting sha256:4eadd9c5abf7e5f63753a5e788cb0872a715fa1141e8ce5ea87638e6cd370a41 7.9s
=> sha256:39b10a87a26796ec2ff0cb3108220b67e2dafd504a49939e841960fa88dd1c42 453B / 453B 35.25s
=> extracting sha256:9cdadd40055fb82fef74a0a38f29fb1ee7be922e18370ebdc3502ec66f79fa3f 17.65s
=> extracting sha256:b58a51cb8a5618947ffed9b5650d08c891b7b33e66d86ccc5c4c6364ee4fa98 0.05s
=> extracting sha256:67e7a25ed15ae376a4734de4c83b38201cb0f64fa3814d488e5bfabfa14478b2 3.8s
=> extracting sha256:eff2bc16bac71e9215b99afe40580473ac881a408bcffc0e9f94fafd8a3d3d 0.25s
=> extracting sha256:39b10a87a26796ec2ff0cb3108220b67e2dafd504a49939e841960fa88dd1c42 0.05s
=> [internal] load build context 2.05s
=> transferring context: 2.12MB 1.95s
=> [2/5] WORKDIR /ex3 2.65s
=> [3/5] COPY package*.json . 0.25s
=> [4/5] RUN npm i 2.95s
=> [5/5] COPY . . 0.45s
=> exporting to image 0.35s
=> exporting layers 0.35s
=> writing image sha256:60e4fd45cc14752e00bb35453bf6a17392a4a7bba9f34f1f24b114c2d3abecf5 0.05s
=> naming to docker.io/library/ex3 0.05s
PS C:\Users\Eduardo\Desktop\AlphaED\docker\ex3>
```

- Em seguida com o “docker run” criamos o container apartir da imagem que acabamos de buildar:

```
PS C:\Users\Eduardo\Desktop\AlphaED\docker\ex3> docker run -dp 8088:3000 ex3
01870061239f142ad21345cc3ca2c2c63e1abdeb2abd2bc169fc0b5d6b1348e2
PS C:\Users\Eduardo\Desktop\AlphaED\docker\ex3>
```

- Feito os comando acima é possível visualizar o servidor rodando a partir do container docker:



- Para subir uma imagem no Docker hub é necessário primeiramente fazer o login:

```
PS C:\Users\Eduardo\Desktop\AlphaED\Docker\ex3> docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/
PS C:\Users\Eduardo\Desktop\AlphaED\Docker\ex3>
```

- Em seguida coloquei uma tag na imagem que irei subir “ex3” e dei o nome de edurick/ex3:

```
PS C:\Users\Eduardo\Desktop\AlphaED\Docker\ex3> docker tag ex3 edurick/ex3
```

- Em seguida subi a imagem para o Docker hub:

```
PS C:\Users\Eduardo\Desktop\AlphaED\Docker\ex3> docker push edurick/ex3
```

```
e3c7afde1cf3: Pushed
b1b6e4eb071c: Pushed
526d7b5b857b: Pushed
eef256ea610a: Pushed
5ed227230b2d: Mounted from library/node
843d3a353b72: Mounted from library/node
59e4e474baa1: Mounted from library/node
2b0668a55661: Mounted from library/node
f43725f97b9f: Mounted from library/node
9c42af2c6418: Mounted from library/node
d96e248f10e6: Mounted from library/node
d925e0fae4e6: Mounted from library/node
latest: digest: sha256:6d7d69480a9da23f8f4f81015cd3ad5b000d94201a1e66fdfa28391af4a3e437 size: 2839
PS C:\Users\Eduardo\Desktop\AlphaED\Docker\ex3>
```

- Verificando se a imagem subiu para o Docker Hub:

