

DUPLA: PAULO TOMAS BARBOZA DA SILVA / RONALD DOS SANTOS COSTA

1. Clonando o repositório

```
paulo@DESKTOP-JB4NAP2 MINGW64 ~/OneDrive/Area de Trabalho/atvd07
$ git clone https://github.com/programadorabordo/docker-introducao
Cloning into 'docker-introducao'...
remote: Enumerating objects: 45, done.
remote: Total 45 (delta 0), reused 0 (delta 0), pack-reused 45
Receiving objects: 100% (45/45), 456.52 KiB | 4.19 MiB/s, done.
Resolving deltas: 100% (14/14), done.
```

2. Instalando o npm

```
paulo@DESKTOP-JB4NAP2 MINGW64 ~/OneDrive/Area de Trabalho/atvd07/docker-introduc
ao (master)
$ cd api

paulo@DESKTOP-JB4NAP2 MINGW64 ~/OneDrive/Area de Trabalho/atvd07/docker-introduc
ao/api (master)
$ npm install
npm WARN config global '--global', '--local' are deprecated. Use '--location=glob
bal' instead.
npm WARN old lockfile
npm WARN old lockfile The package-lock.json file was created with an old version of npm,
npm WARN old lockfile so supplemental metadata must be fetched from the registry.
npm WARN old lockfile
npm WARN old lockfile This is a one-time fix-up, please be patient...
npm WARN old lockfile
npm WARN deprecated mixin-deep@1.3.1: Critical bug fixed in v2.0.1, please upgra
de to the latest version.
npm WARN deprecated set-value@2.0.0: Critical bug fixed in v3.0.1, please upgrad
e to the latest version.
npm WARN deprecated ini@1.3.5: Please update to ini >=1.3.6 to avoid a prototype
pollution issue
npm WARN deprecated set-value@0.4.3: Critical bug fixed in v3.0.1, please upgrad
e to the latest version.
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprec
ated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#dep
recated
npm WARN deprecated chokidar@2.1.5: Chokidar 2 does not receive security updates
since 2019. Upgrade to chokidar 3 with 15x fewer dependencies
npm WARN deprecated source-map-url@0.4.0: See https://github.com/lydell/source-m
ap-url#deprecated
npm WARN deprecated debug@3.2.6: Debug versions >=3.2.0 <3.2.7 || >=4 <4.3.1 hav
e a low-severity ReDos regression when used in a Node.js environment. It is reco
mmended you upgrade to 3.2.7 or 4.3.1. (https://github.com/visionmedia/debug/iss
ues/797)
npm WARN deprecated source-map-resolve@0.5.2: See https://github.com/lydell/sour
ce-map-resolve#deprecated

added 274 packages, and audited 275 packages in 55s

18 vulnerabilities (6 moderate, 9 high, 3 critical)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force
```

```
Run 'npm audit' for details.
npm notice
npm notice New minor version of npm available! 8.11.0 -> 8.13.1
npm notice Changelog: <https://github.com/npm/cli/releases/tag/v8.13.1>
npm notice Run 'npm install -g npm@8.13.1' to update!
npm notice

paulo@DESKTOP-JB4NAP2 MINGW64 ~/OneDrive/Area de Trabalho/atvd07/docker-introduc
ao/api (master)
$ |
```

3. Criando o arquivo: docker-compose.yml

```
1 version: "3.7"
2 services:
3   db:
4     image: mysql
5     container_name: mysql-container
6     command: --default-authentication-plugin=mysql_native_password
7     environment:
8       MYSQL_ROOT_PASSWORD: programadorabordo
9     volumes:
10      - ./api/db/data:/var/lib/mysql
11     restart: always
12   api:
13     build: "./api"
14     container_name: node-container
15     restart: always
16     volumes:
17      - ./api:/home/node/app
18     ports:
19      - "9001:9001"
20     depends_on:
21      - db
22   web:
23     image: "php:7.2-apache"
24     container_name: php-container
25     restart: always
26     volumes:
27      - ./website:/var/www/html
28     ports:
29      - "8888:80"
30     depends_on:
31      - db
32      - api
```

4. Criação das imagens/containers

```
paulo@DESKTOP-JB4NAP2 MINGW64 ~/OneDrive/Area de Trabalho/atvd07/docker-introduc
ao (master)
$ docker-compose up -d
Creating network "docker-introducao_default" with the default driver
Pulling db (mysql:...)
latest: Pulling from library/mysql
Digest: sha256:bed914af3f2dea400c4bc83136d6b3a8cf7edcf96f5c08bbdbdec8a10cc021a5d
Status: Downloaded newer image for mysql:latest
Building api
#1 [internal] load build definition from Dockerfile
#1 sha256:c4d5126398a1fb053bef747345c5bba9bcf52d2f572307eba298f2362afac1f3
#1 transferring dockerfile:
#1 transferring dockerfile: 93B 0.5s done
#1 DONE 5.4s

#2 [internal] load .dockerignore
#2 sha256:6eb06d19630c9917b5bc964999c103d863587e86244025e3db99fdeaa91fe11c
#2 transferring context: 2B done
#2 DONE 7.0s

#3 [internal] load metadata for docker.io/library/node:10-slim
#3 sha256:0c9311fcad6ce3351ad1adeadffa16b6402d6b1b9be26ae02fd918053016fa3
#3 DONE 14.1s

#5 [1/2] FROM docker.io/library/node:10-slim@sha256:88932859e3d022d79161b99628c4
c2c50e836437455e2d1b1a008d98367b10d6
#5 sha256:1a791a2e7888b817e6ebbcf835c3fe6f1e57c491e02e27ded01289fc05498b04
#5 resolve docker.io/library/node:10-slim@sha256:88932859e3d022d79161b99628c4c2c
50e836437455e2d1b1a008d98367b10d6
#5 resolve docker.io/library/node:10-slim@sha256:88932859e3d022d79161b99628c4c2c
50e836437455e2d1b1a008d98367b10d6 0.9s done
#5 sha256:88932859e3d022d79161b99628c4c2c50e836437455e2d1b1a008d98367b10d6 776B
/ 776B done
#5 sha256:64c30c91d628d40eb8f772ee1477f78aff820e317e8afbc5160857ee804e4b70 1.37k
B / 1.37kB done
#5 sha256:6fbcbabb5c6032ce4013d4c736ffe54e0764c36fa14315ae54cb51f244e813c52 7.09k
B / 7.09kB done
#5 sha256:f698164f6049bead44aeb7590e88d3df323011c20f0cedbff3d86f62e4c9f184 0B /
4.17kB 0.6s
#5 sha256:f698164f6049bead44aeb7590e88d3df323011c20f0cedbff3d86f62e4c9f184 4.17k
B / 4.17kB 0.9s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 0B /
22.53MB 1.1s
#5 sha256:f698164f6049bead44aeb7590e88d3df323011c20f0cedbff3d86f62e4c9f184 4.17k
B / 4.17kB 1.4s done
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 3.15M
B / 22.53MB 1.7s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 5.24M
B / 22.53MB 1.9s
```

```
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 7.34M
B / 22.53MB 2.2s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 10.49
MB / 22.53MB 2.4s
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 0B /
21.91MB 2.6s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 12.58
MB / 22.53MB 2.6s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 14.68
MB / 22.53MB 2.9s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 16.78
MB / 22.53MB 3.1s
#5 sha256:85e84b4c858fae373ccdf48432de781210efb7fd75d9d801be9917577fe6ca09 0B /
2.93MB 3.1s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 18.87
MB / 22.53MB 3.3s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 20.97
MB / 22.53MB 3.6s
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 2.10M
B / 21.91MB 3.8s
#5 sha256:85e84b4c858fae373ccdf48432de781210efb7fd75d9d801be9917577fe6ca09 1.05M
B / 2.93MB 4.0s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 22.53
MB / 22.53MB 4.1s
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 3.87M
B / 21.91MB 4.3s
#5 sha256:85e84b4c858fae373ccdf48432de781210efb7fd75d9d801be9917577fe6ca09 2.10M
B / 2.93MB 4.3s
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 5.24M
B / 21.91MB 4.5s
#5 sha256:85e84b4c858fae373ccdf48432de781210efb7fd75d9d801be9917577fe6ca09 2.93M
B / 2.93MB 4.5s
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 7.34M
B / 21.91MB 5.1s
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 9.44M
B / 21.91MB 5.2s
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 12.58
MB / 21.91MB 5.5s
#5 sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f1036e358 22.53
MB / 22.53MB 5.5s done
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 16.78
MB / 21.91MB 5.9s
#5 extracting sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f103
6e358
#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 20.97
MB / 21.91MB 6.3s
#5 sha256:85e84b4c858fae373ccdf48432de781210efb7fd75d9d801be9917577fe6ca09 2.93M
B / 2.93MB 6.0s done
#5 extracting sha256:62deabe7a6db312ed773ccd640cd7cfbf51c22bf466886345684558f103
6e358 3.4s done
```

```

#5 sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c15646756b176 21.91
MB / 21.91MB 12.0s done
#5 sha256:ac72e4359589952a2e38fbc10287d792cbb57f2ec3cd1eb730e9bab685ac9754 295B
/ 295B 12.8s done
#5 extracting sha256:f698164f6049bead44aeb7590e88d3df323011c20f0cedbfff3d86f62e4c
9f184 0.1s done
#5 extracting sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c1564675
6b176
#5 extracting sha256:bc29352cb629712e7fbce7227a16b53308b541ef41e19122a04c1564675
6b176 2.7s done
#5 extracting sha256:85e84b4c858fae373ccdf48432de781210efb7fd75d9d801be9917577fe
6ca09 0.1s
#5 extracting sha256:85e84b4c858fae373ccdf48432de781210efb7fd75d9d801be9917577fe
6ca09 0.3s done
#5 extracting sha256:ac72e4359589952a2e38fbc10287d792cbb57f2ec3cd1eb730e9bab685a
c9754 done
#5 DONE 33.9s

#4 [2/2] WORKDIR /home/node/app
#4 sha256:8216964c7531267bae2502c5fcbf4deed25970c69d70491607c70a3c30d1605c
#4 DONE 3.5s

#6 exporting to image
#6 sha256:e8c613e07b0b7ff33893b694f7759a10d42e180f2b4dc349fb57dc6b71dcab00
#6 exporting layers
#6 exporting layers 1.3s done
#6 writing image sha256:ad4249fd59982739d07fef38b2d142aa6c90bce74855a5a5bf6c934d
802fb937 0.1s done
#6 naming to docker.io/library/docker-introducao_api
#6 naming to docker.io/library/docker-introducao_api 0.1s done
#6 DONE 1.9s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and l
earn how to fix them
Image for service api was built because it did not already exist. To rebuild thi
s image you must use 'docker-compose build' or 'docker-compose up --build'.
Pulling web (php:7.2-apache)...
7.2-apache: Pulling from library/php
Digest: sha256:4dc0f0115acf8c2f0df69295ae822e49f5ad5fe849725847f15aa0e5802b55f8
Status: Downloaded newer image for php:7.2-apache
Creating mysql-container ...
Creating mysql-container ... done
Creating node-container ...
Creating node-container ... done
Creating php-container ...
Creating php-container ... done

paulo@DESKTOP-JB4NAP2 MINGW64 ~/OneDrive/Area de Trabalho/atvd07/docker-introduc
ao (master)
$ |

```

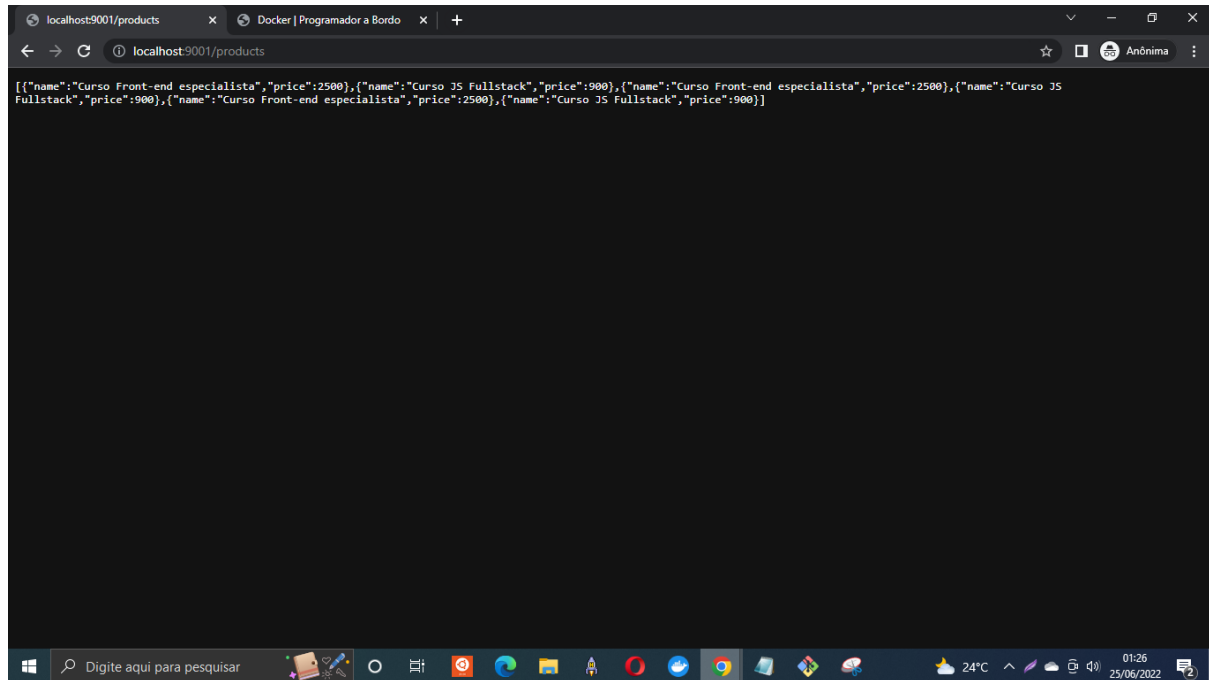
5. Alimentando o banco de dados

```

paulo@DESKTOP-JB4NAP2 MINGW64 ~/OneDrive/Area de Trabalho/atvd07/docker-introducao (master)
$ docker exec -i mysql-container mysql -uroot -pprogramadorabordo < api/db/script.sql
mysql: [Warning] Using a password on the command line interface can be insecure.

```

6. Evidenciando a aplicação rodando



A screenshot of a web browser window showing a table of course data. The browser's address bar displays 'localhost:8888'. The table has two columns: 'Produto' and 'Preço'. It lists five courses, alternating between 'Curso Front-end especialista' (price 2500) and 'Curso JS Fullstack' (price 900). The Windows taskbar at the bottom shows the time as 01:27 on 25/06/2022.

Produto	Preço
Curso Front-end especialista	2500
Curso JS Fullstack	900
Curso Front-end especialista	2500
Curso JS Fullstack	900
Curso Front-end especialista	2500
Curso JS Fullstack	900