

Atividade 5 - Banco de Dados

Aluno: Kauã Sousa de Oliveira

Execução dos comandos, criação do Dockerfile e criação da imagem

03:52:02

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.13
node1

GIVE FEEDBACK

cu364q2Lcu364qriim2rg00efps30

IP
192.168.0.13

OPEN PORT
3306

Memory
29.16% (1.139GiB / 3.906GiB)

CPU
0.48%

SSH
ssh lp172-18-0-132-cu364q2Lm2rg00efps30@direct.labs.pl

DELETE EDITOR

```
[*] The FWD team.
[node1] (local) root@192.168.0.13 ~
$ mkdir mysql-docker
[node1] (local) root@192.168.0.13 ~
$ cd mysql-docker
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ touch Dockerfile
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ vim Dockerfile
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ touch init.sql
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ vim init.sql
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ docker build -t mysql-alunos .
[*] Building 74.2s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 179B 0.0s
=> [internal] load metadata for docker.io/library/mysql:latest 2.2s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load build context 0.1s
=> => transferring context: 318B 0.0s
=> [1/2] FROM docker.io/library/mysql:latest@sha256:0255b469f0185a0236d672d60e3154ae2f4538b14 71.4s
=> resolve docker.io/library/mysql:latest@sha256:0255b469f0185a0236d672d60e3154ae2f4538b14 0.0s
=> sha256:0255b469f0185a0236d672d60e3154ae2f4538b146744966d96440318cc82206 2.62kB / 2.62kB 0.0s
=> sha256:56a8c14e14044b8ec7f2fb4dd145c8d0e1084c0ba3d9e754f0c806f52a0b3b4fb 6.52kB / 6.52kB 0.0s
=> sha256:2c0a231852c3a7b0c4e55fa8a70231c0a94efc046097dd2f064f4e420850 49.10MB / 49.10MB 2.7s
=> sha256:c05a4a8519b2b1d799b65fe76323551f3456322a13e5e806a644cc09a95e527 845B / 845B 0.5s
=> sha256:8489c5f93126d99b43a4b7613f9216499894a3082bdc372094a2910082aa391 2.84kB / 2.84kB 0.0s
=> sha256:f70d00f225e4cd30be2625d4d25c25e9a3783320964481ff0e094e1c9 983.00kB / 983.00kB 0.7s
=> sha256:a41bf36f3c6803a0ee0497a221ed75f0c7614e92f0d4113086182052f3f1 6.90MB / 6.90MB 1.5s
=> sha256:80ba10c377823a1075c778313b4221b405236423927ad62b3d359d59e55c640d 2.40kB / 2.40kB 1.0s
=> sha256:56496128193615694b36d4e48420cc092149a8b2b3d00822202b19d302ca30 340B / 340B 1.5s
=> sha256:0ed670c7f1c77db068864b52dc405154aac07c0258d401c62f0993e93e36 48.21MB / 48.21MB 6.5s
```

```
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ cat Dockerfile
FROM mysql:latest

ENV MYSQL_ROOT_PASSWORD=kid_aluno
ENV MYSQL_DATABASE=BD_ALUNOS

COPY init.sql /docker-entrypoint-initdb.d/

EXPOSE 3306

[node1] (local) root@192.168.0.13 ~/mysql-docker
$ cat init.sql
CREATE TABLE IF NOT EXISTS TB_ALUNOS (
  id INT AUTO_INCREMENT PRIMARY KEY,
  nome VARCHAR(100) NOT NULL,
  idade INT NOT NULL
);

CREATE TABLE IF NOT EXISTS TB_PROFESORES (
  id INT AUTO_INCREMENT PRIMARY KEY,
  nome VARCHAR(100) NOT NULL,
  disciplina VARCHAR(100) NOT NULL
);
```

Entrando no MySQL e conferindo as tabelas requisitadas

```
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ docker run --name mysql-alunos -d -p 3306:3306 mysql-alunos
9cb06025fdac7fa238f35b32f06f8ec1f8c6c513c1eb78325fdf028c74a7795a
[node1] (local) root@192.168.0.13 ~/mysql-docker
$ docker exec -it mysql-alunos mysql -u root -p
Enter password:
```

03:51:13

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.13
node1

GIVE FEEDBACK

cu364q2i_cu364riim2rg00efps30

IP
192.168.0.13

OPEN PORT
3306

Memory
29.37% (1.147GiB / 3.906GiB)

CPU
2.20%

SSH
ssh ip172-18-0-132-cu364q2im2rg00efps20@directlabs.pl

DELETE

EDITOR

```
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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| BD_ALUNOS |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.01 sec)

mysql> USE BD_ALUNOS;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SHOW TABLES;
+-----+
| Tables in BD_ALUNOS |
+-----+
| TB_ALUNOS |
| TB_PROFESORES |
+-----+
2 rows in set (0.01 sec)

mysql>
```