INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO CEARÁ
IFCE *CAMPUS* FORTALEZA
TELEMÁTICA

26/10/2023

Disciplina**: Administração de serviços de rede** (01.302.25)

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Avaliação 6 – Volumes no Docker

Implementar a sequência de funcionalidades definidas no **Capitulo 4 Trabalhando com Volumes**. Evidenciar o funcionamento com prints executando a consulta ao banco de dados MySQL como apresentado no conteúdo.
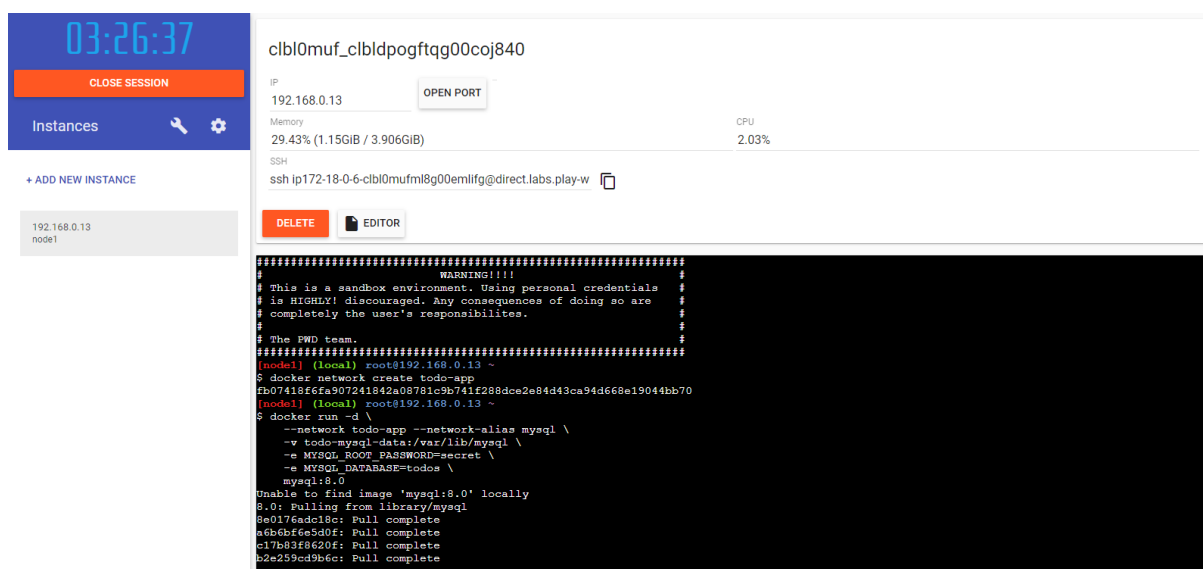

Figura 1. Captura de tela do Play with Docker

```
################################################################
#                        WARNING!!!!                          #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                      #
#                                                             #
# The PWD team.                                               #
################################################################
[node1] (local) root@192.168.0.13 ~
$ docker network create todo-app
fb07418f6fa907241842a08781c9b741f288dce2e84d43ca94d668e19044bb70
[node1] (local) root@192.168.0.13 ~
$ docker run -d \
    --network todo-app --network-alias mysql \
    -v todo-mysql-data:/var/lib/mysql \
    -e MYSQL_ROOT_PASSWORD=secret \
    -e MYSQL_DATABASE=todos \
    mysql:8.0
Unable to find image 'mysql:8.0' locally
8.0: Pulling from library/mysql
8e0176adc18c: Pull complete
a6b6bf6e5d0f: Pull complete
c17b83f8620f: Pull complete
b2e259cd9b6c: Pull complete
```

Figura 2. Criação da rede 'todo-app' e execução do banco de dados

```
b2e259cd9b6c: Pull complete
366131ab00d1: Pull complete
2f99ba83a3cb: Pull complete
f7c88955f01f: Pull complete
577fb415d7f8: Pull complete
29160ed46eb1: Pull complete
69ce9884ce5d: Pull complete
848f0dceb14c: Pull complete
Digest: sha256:974cac08fff819ea2dfeb83fed4d2eb5100bb79603aff6148bdc53d8be4895f3
Status: Downloaded newer image for mysql:8.0
19ebaecd5c308b69e1e52a0ef29bcd8cbeb4814025ff32fcea9a3d124cbf661f
[node1] (local) root@192.168.0.13 ~
$ docker exec -it 19e mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.35 MySQL Community Server - GPL

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```

Figura 3. Autenticação no banco de dados

Figura 4. Consulta no banco de dados.