

Volumes

Crie um container de MySQL sendo associado a um server (abstraia e considere que o servidor é uma pasta server/) -> crie a tabela com o comando fornecido -> rode o inspect e tire print -> apague o container.

```
PS C:\Users\janai\Desktop\aula\volumes> docker exec -it bdcontainer /usr/bin/mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 9.1.0 MySQL Community Server - GPL

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owners.

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

mysql> CREATE SCHEMA IF NOT EXISTS webacademy;
demy;

CREATE TABLE IF NOT EXISTS webacademy_alunos (
  id BIGINT PRIMARY KEY AUTO_INCREMENT,
  nome VARCHAR(180) NOT NULL
);

SHOW TABLES;
Query OK, 1 row affected (0.04 sec)

mysql> USE webacademy;
Database changed
```

```
mysql> CREATE SCHEMA IF NOT EXISTS webacademy;
demy;

CREATE TABLE IF NOT EXISTS webacademy_alunos (
  id BIGINT PRIMARY KEY AUTO_INCREMENT,
  nome VARCHAR(180) NOT NULL
);

SHOW TABLES;
Query OK, 1 row affected (0.04 sec)

mysql> USE webacademy;
Database changed
mysql>
mysql> CREATE TABLE IF NOT EXISTS webacademy_alunos (
->   id BIGINT PRIMARY KEY AUTO_INCREMENT,
->   nome VARCHAR(180) NOT NULL
-> );
Query OK, 0 rows affected (0.03 sec)

mysql>
mysql> SHOW TABLES;
+-----+
| Tables_in_webacademy |
+-----+
| webacademy_alunos    |
+-----+
1 row in set (0.00 sec)

mysql> 
```

docker inspect bdcontainer

```
]
},
"GraphDriver": {
  "Data": null,
  "Name": "overlayfs"
},
"Mounts": [
  {
    "Type": "bind",
    "Source": "C:/Users/janai/Desktop/aula/volumes/server",
    "Destination": "/var/lib/mysql",
    "Mode": "",
    "RW": true,
    "Propagation": "rprivate"
  }
],
"Config": {
  "Hostname": "fdca405efd17",
  "Domainname": "",
  "User": "",
  "AttachStdin": false,
  "AttachStdout": false,
  "AttachStderr": false,
  "ExposedPorts": {
    "3306/tcp": {},
    "33060/tcp": {}
  },
  "Tty": false,
  "OpenStdin": false,
  "StdinOnce": false,
  "Env": [
    "MYSQL_ROOT_PASSWORD=pass2024",
    "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
```

```
GraphDriver : {
  "Data": null,
  "Name": "overlayfs"
},
"Mounts": [
  {
    "Type": "bind",
    "Source": "C:\\Users\\janai\\Desktop\\aula\\volumes\\server",
    "Destination": "/var/lib/mysql",
    "Mode": "",
    "RW": true,
    "Propagation": "rprivate"
  }
],
"Config": {
  "Hostname": "bad78e2799f6",
```

Crie um container de MySQL sendo associado a um volume (você deve criar um volume) -> crie a tabela no volume com o comando fornecido -> rode o inspect e tire print -> apague o container -> recrie o container, mapeando para o mesmo volume, e verifique se sua tabela continua lá

```

    },
    "Mounts": [
      {
        "Type": "volume",
        "Name": "vol_bdcontainer",
        "Source": "/var/lib/docker/volumes/vol_bdcontainer/_data",
        "Destination": "/var/lib/mysql",
        "Driver": "local",
        "Mode": "z",
        "RW": true,
        "Propagation": ""
      }
    ],
  ],

```

```

PS C:\Users\janai\Desktop\aula\volumes> docker exec -it bdcontainer /usr/bin/mysql -u root -p
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```

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```
mysql> USE webacademy;
```

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_webacademy |
+-----+
| webacademy_alunos    |
+-----+

```

mysql>