

Урок 3. Введение в Docker

Задание:

1) запустить контейнер с БД, отличной от mariaDB, используя инструкции на сайте: <https://hub.docker.com/>

```
max_ub_gb@VirtualBox:~$ sudo docker run --name cont_mysql -e MYSQL_ROOT_PASSWORD=1234 -d mysql
Unable to find image 'mysql:latest' locally
latest: Pulling from library/mysql
9bd56b05f662: Downloading [=====] 17.35MB/44.56MB
78e32a9ae10c: Download complete
a1e5e8b7ab26: Download complete
787571554435: Verifying Checksum
2196b088d320: Download complete
7110b83b5540: Download complete
3a87bf11fa6d: Downloading [=====] 11.32MB/56.21MB
63b2fc823dcf: Download complete
f77b236f8f2c: Downloading [=====] 24.4MB/50.17MB
b5b4bafd2ab7: Waiting
4fc4c1855df1: Waiting
```

Проверяем, что установилась

```
max_ub_gb@VirtualBox:~$ sudo docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS
924ce1ef3813   mysql     "docker-entrypoint.s..." About a minute ago Up About a minute 3306/tcp, 33060/tcp
ql
```

2) добавить в контейнер hostname такой же, как hostname системы через переменную

3) заполнить БД данными через консоль

```
Error response from daemon: No such container: 94
max_ub_gb@VirtualBox:~$ sudo docker exec -it 92 bash
bash-4.4# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.32 MySQL Community Server - GPL

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owners.

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

4) запустить phpmyadmin (в контейнере) и через веб проверить, что все введенные данные доступны

```
max_ub_gb@VirtualBox:~$ sudo docker run -d --link cont_mysql:db -p 8080:80 phpmyadmin
Unable to find image 'phpmyadmin:latest' locally
latest: Pulling from library/phpmyadmin
f1f26f570256: Downloading [=====] 4.553MB/31.41MB
ee0a4e40ccac: Download complete
5ca9fb408faa: Downloading [=] 3.197MB/91.64MB
25862b797d87: Download complete
5c128100b25a: Downloading [=] 193.4kB/19.25MB
c471030ba37f: Waiting
285a5ec09eb5: Waiting
c3223d84bfe5: Waiting
bbd1867e192e: Waiting
```

```

max_ub_gb@VirtualBox:~$ sudo ifconfig
docker0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
    inet6 fe80::42:e07e:8dd0 prefixlen 64 scopeid 0x20<link>
    ether 02:42:e0:7e:8d:d0 txqueuelen 0 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 16 bytes 2158 (2.1 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.16 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 fe80::ca05:8538:a622:891e prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:58:87:ff txqueuelen 1000 (Ethernet)
    RX packets 691346 bytes 970172269 (970.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 240448 bytes 34404468 (34.4 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

```

The screenshot shows the phpMyAdmin interface. The left sidebar shows a database structure with a table named 'data_tbl'. The main area displays the table's contents, which are highlighted by a red box. The table has three columns: 'id', 'name', and 'last_name'. The data rows are as follows:

id	name	last_name
1	vasya	petrov
1	petya	smirnov
3	yura	gagarin

ВОПРОС:

**Почему ip 172.17.0.1:8080 видно только из виртуальной машины?
 Пробую посмотреть с машины, на которой стоит Windows: Страница не найдена (**