

Выбрал запуск MySQL из контейнера Docker

У меня осталась VM с курса по основам Linux, поэтому буду выполнять работу в ней.

Скачиваем образ с mysql

```
root@gbvmubuntu:~# docker pull mysql/mysql-server
Using default tag: latest
latest: Pulling from mysql/mysql-server
501550cfd5c0: Pull complete
e0509d775110: Pull complete
d5a01765d011: Pull complete
970507e942eb: Pull complete
Digest: sha256:0bb21c0f1aa9296e7deafac5703b80e4d923dfdfcaa2efbe0c8377a8592128
Status: Downloaded newer image for mysql/mysql-server:latest
docker.io/mysql/mysql-server:latest
root@gbvmubuntu:~# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nginx_php_fpm	latest	dd827617d628	11 days ago	239MB
nginx_php	latest	0ce4c465e923	11 days ago	239MB
ubuntu	latest	f63181f19b2f	13 days ago	72.9MB
mysql/mysql-server	latest	d320e74763f4	2 weeks ago	406MB
hello-world	latest	bf756fb1ae65	13 months ago	13.3kB

Запустим контейнер с нашей MySQL, подключимся туда и посмотрим версию

```
root@gbvmubuntu:~# docker run -d --name mysql -p 3306:3306 -v /data/mysql:/var/lib/mysql -e MYSQL_ROOT_PASSWORD=my8sql mysql/mysql-server
4d9f67f4285ec18d5121122d836f9425348f2d27b344f7c3ae30613553a41d8f
root@gbvmubuntu:~# docker ps
```

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
4d9f67f4285e	mysql/mysql-server	mysql	"/entrypoint.sh mysql..."	6 seconds ago	Up 4 seconds (health: starting)	0.0.0.0:3306->3306

```
root@gbvmubuntu:~# docker exec -ti 4d9f67f4285e bash
bash-4.2# mysql -v
mysql Ver 8.0.23 for Linux on x86_64 (MySQL Community Server - GPL)
```

Подключимся в контейнер и создадим себе нового пользователя, выдадим ему привелегии подключаться с любых IP. Обновим привелегии.

```
mysql> CREATE USER 'dendroid'@ '%' IDENTIFIED BY 'my8sql';
Query OK, 0 rows affected (0.13 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'dendroid'@ '%';
Query OK, 0 rows affected (0.06 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.06 sec)
```

Создадим подключение в MySQL Workbench

Setup New Connection

Connection Name:  Type a name for the connection

Connection Method:  Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname:  Port:  Name or IP address of the server host - and TCP/IP port.


Username:  Name of the user to connect with.

Password:   The user's password. Will be requested later if it's not set.

Default Schema:  The schema to use as default schema. Leave blank to select it later.

Протестируем подключение

MySQL Workbench

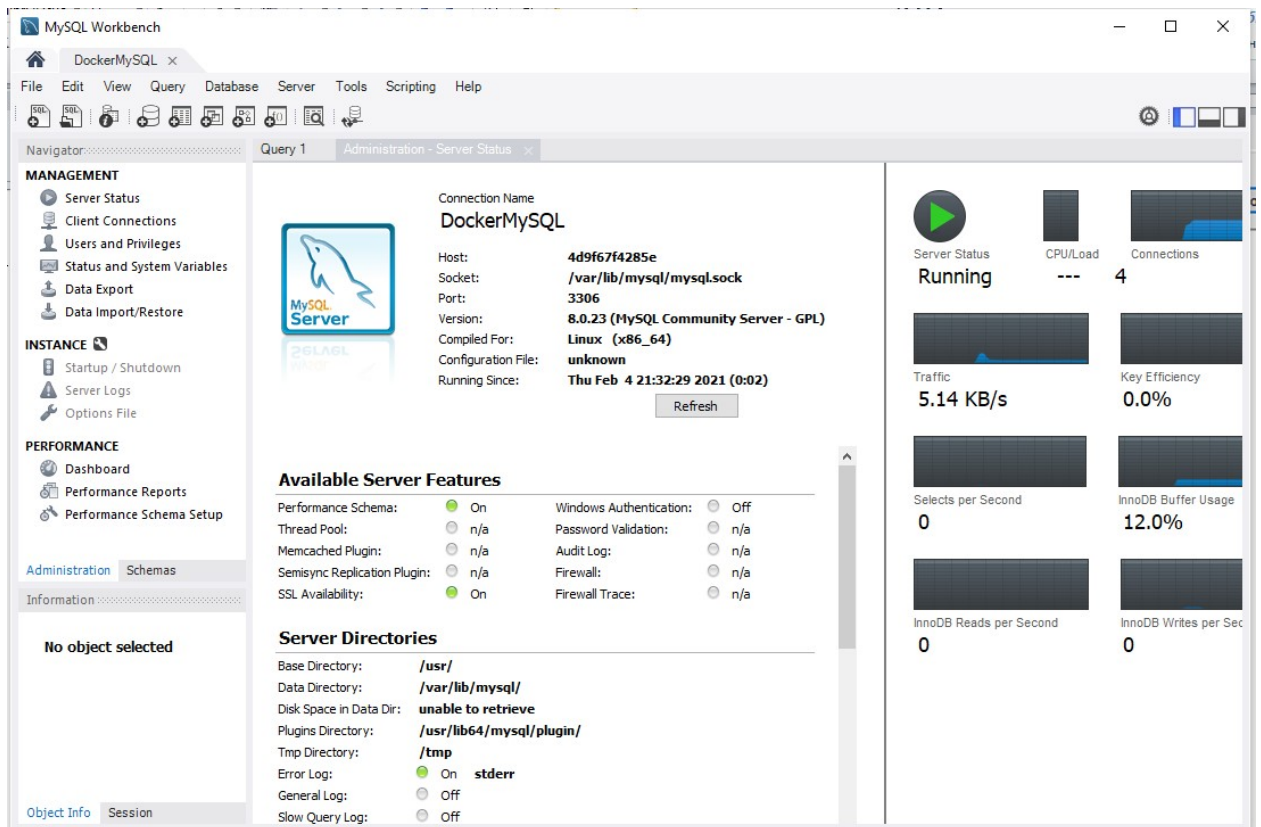
 Successfully made the MySQL connection

Information related to this connection:

Host: 192.168.31.31  
Port: 3306  
User: dendroid  
SSL: enabled with ECDHE-RSA-AES128-GCM-SHA256

A successful MySQL connection was made with the parameters defined for this connection.

Подключимся



Подключимся через DBeaver

