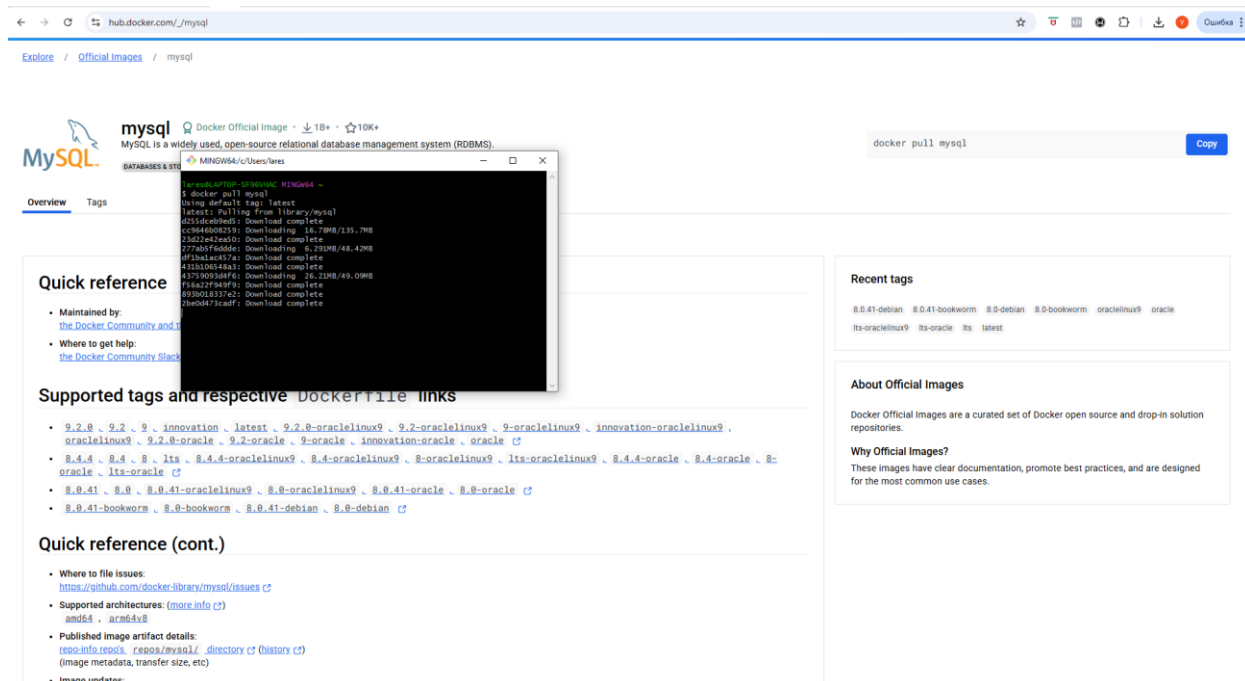


1) Скачать образ MYSQL

docker pull mysql



mysql Docker Official Image · 1B+ · 10K+

MySQL is a widely used, open-source relational database management system (RDBMS).

docker pull mysql

Copy

Quick reference

- Maintained by: the Docker Community and Slack
- Where to get help: the Docker Community Slack

Supported tags and respective Dockerfile links

- 9.2.8, 9.2, 9, innovation, latest, 9.2.8-oraclelinux9, 9.2-oraclelinux9, 9-oraclelinux9, innovation-oraclelinux9, oraclelinux9, 9.2.8-oracle, 9.2-oracle, 9-oracle, innovation-oracle, oracle
- 8.4.4, 8.4, 8, lts, 8.4.4-oraclelinux9, 8.4-oraclelinux9, 8-oraclelinux9, lts-oraclelinux9, 8.4.4-oracle, 8.4-oracle, 8-oracle, lts-oracle
- 8.0.41, 8.0, 8.0.41-oraclelinux9, 8.0-oraclelinux9, 8.0.41-oracle, 8.0-oracle
- 8.0.41-bookworm, 8.0-bookworm, 8.0.41-debian, 8.0-debian

Quick reference (cont.)

- Where to file issues: <https://github.com/docker-library/mysql/issues>
- Supported architectures: [\(more info\)](#)
amd64, arm64v8
- Published image artifact details: [repo-info:repo](#), [repo:mysql/](#), [directory](#) [\(history\)](#) [\(history\)](#)
(image metadata, transfer size, etc)
- Image updates:

Recent tags

8.0.41-debian, 8.0.41-bookworm, 8.0-debian, 8.0-bookworm, oraclelinux9, oracle, lts-oraclelinux9, lts-oracle, lts, latest

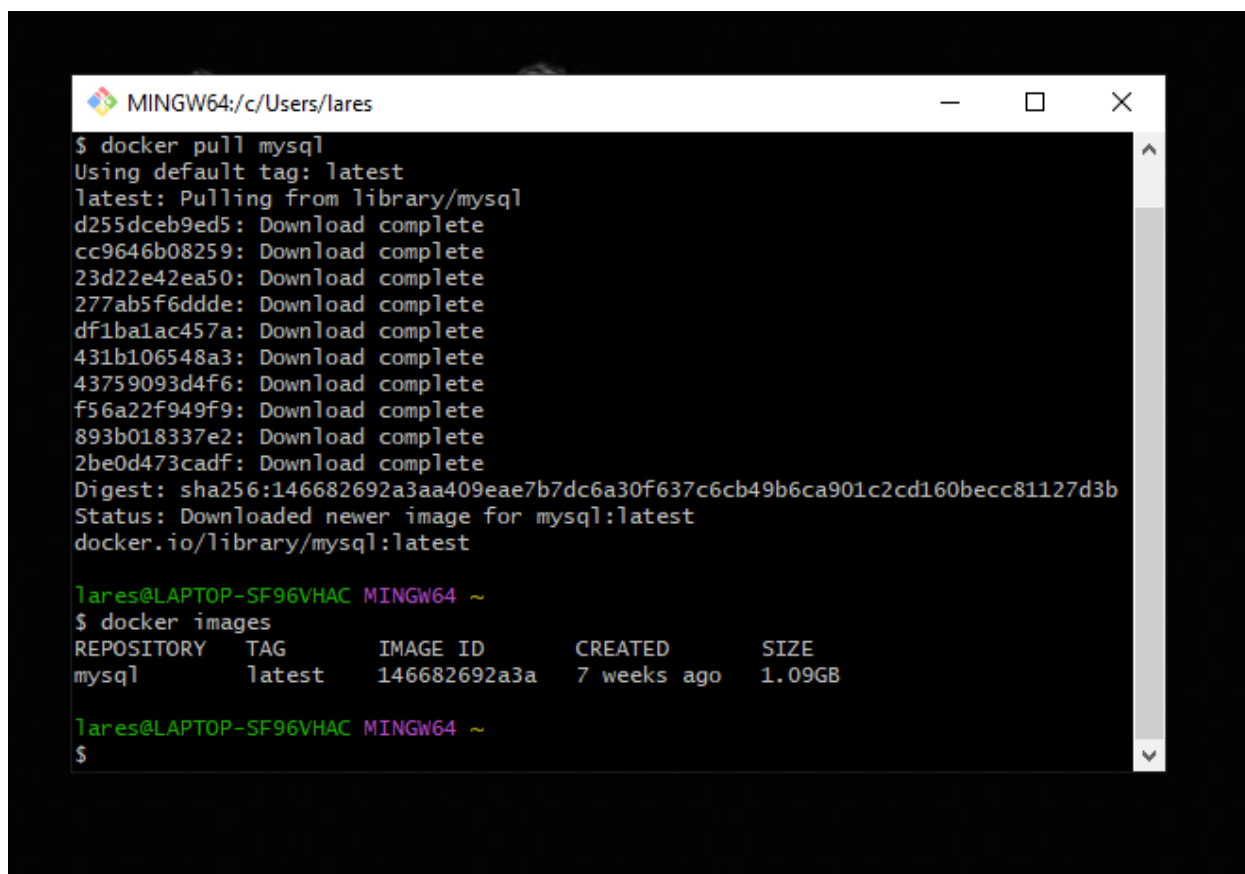
About Official Images

Docker Official Images are a curated set of Docker open source and drop-in solution repositories.

Why Official Images?

These images have clear documentation, promote best practices, and are designed for the most common use cases.

2) Смотрим образ \$ docker images



```
$ docker pull mysql
Using default tag: latest
latest: Pulling from library/mysql
d255dceb9ed5: Download complete
cc9646b08259: Download complete
23d22e42ea50: Download complete
277ab5f6ddde: Download complete
df1ba1ac457a: Download complete
431b106548a3: Download complete
43759093d4f6: Download complete
f56a22f949f9: Download complete
893b018337e2: Download complete
2be0d473cadf: Download complete
Digest: sha256:146682692a3aa409eae7b7dc6a30f637c6cb49b6ca901c2cd160becc81127d3b
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest

lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
mysql latest 146682692a3a 7 weeks ago 1.09GB

lares@LAPTOP-SF96VHAC MINGW64 ~
$
```

3) Запускаем контейнер с сервером MySQL и получаем уникальный хэш

\$ docker run --name some-mysql -e MYSQL_ROOT_PASSWORD=my-secret-pw -d mysql

```
MINGW64:/c/Users/lares
cc9646b08259: Download complete
23d22e42ea50: Download complete
277ab5f6ddde: Download complete
df1ba1ac457a: Download complete
431b106548a3: Download complete
43759093d4f6: Download complete
f56a22f949f9: Download complete
893b018337e2: Download complete
2be0d473cadf: Download complete
Digest: sha256:146682692a3aa409eae7b7dc6a30f637c6cb49b6ca901c2cd160becc81127d3b
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest

lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
mysql         latest    146682692a3a   7 weeks ago    1.09GB

lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker run --name some-mysql -e MYSQL_ROOT_PASSWORD=my-secret-pw -d mysql
e5faff04a648bf755e44898952797b342badde44673b0b7927fba99105ef841a

lares@LAPTOP-SF96VHAC MINGW64 ~
$
```

4) Смотрим запущенные контейнеры

\$ docker ps

```
MINGW64:/c/Users/lares
893b018337e2: Download complete
2be0d473cadf: Download complete
Digest: sha256:146682692a3aa409eae7b7dc6a30f637c6cb49b6ca901c2cd160becc81127d3b
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest

lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
mysql         latest    146682692a3a   7 weeks ago    1.09GB

lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker run --name some-mysql -e MYSQL_ROOT_PASSWORD=my-secret-pw -d mysql
e5faff04a648bf755e44898952797b342badde44673b0b7927fba99105ef841a

lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS
PORTS
e5faff04a648   mysql    "docker-entrypoint.s..."  54 seconds ago Up 54 seconds
3306/tcp, 33060/tcp
some-mysql

lares@LAPTOP-SF96VHAC MINGW64 ~
$
```

5) Подключаемся к контейнеру

\$ docker exec -it <CONTAINER_ID> bash

```
MINGW64:/c/Users/lares
lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS
PORTS         NAMES
e5faff04a648   mysql    "docker-entrypoint.s..." 7 minutes ago  Up 7 minutes
3306/tcp, 33060/tcp   some-mysql

lares@LAPTOP-SF96VHAC MINGW64 ~
$ docker exec -it e5faff04a648 bash
bash-5.1#
```

6) Подключаемся к серверу MySQL

```
bash-5.1# mysql -u root -p
```

Enter password:my-secret-pw

```
MINGW64:/c/Users/lares
$ docker exec -it e5faff04a648 bash
bash-5.1# mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
bash-5.1# mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
bash-5.1# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 9.2.0 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql>
```

7) Подключаемся к MySQL

`mysql -u root -p`

```
MINGW64:/c/Users/lares
affiliates. Other names may be trademarks of their respective
owners.

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

mysql> mysql -u root -p
->
-> clear
-> \c
mysql> -u root -p
-> show databases
-> ^C
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.00 sec)

mysql>
```

Done!