

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run -d -p 3306:3306 -e MYSQL_ROOT_PASSWORD=xpto1234
```

1"docker run" requires at least 1 argument.

See 'docker run --help'.

Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Run a command in a new container

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run -d -p 3306:3306 -e MYSQL_ROOT_PASSWORD=xpto1234 mysql
```

Unable to find image 'mysql:latest' locally

latest: Pulling from library/mysql

0bb5c0c24818: Pull complete

cbb3106fbb5a: Pull complete

550536ae1d5e: Pull complete

33f98928796e: Pull complete

a341087cff11: Pull complete

0e26ac5b33f6: Pull complete

c883b83a7112: Pull complete

873af5c876c6: Pull complete

8fe8ebd061d5: Pull complete

7ac2553cf6b4: Pull complete

ad655e218e12: Pull complete

Digest: sha256:96439dd0d8d085cd90c8001be2c9dde07b8a68b472bd20efcbe3df78cff66492

Status: Downloaded newer image for mysql:latest

4502ac23ee3965be0fc929ffe73ac8b9263921f85784d60861f37e08df814ce7

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

Enter password:

ERROR 2013 (HY000): Lost connection to MySQL server at 'reading initial communication packet', system error: 0

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

Enter password:

ERROR 1045 (28000): Access denied for user 'root'@'172.18.0.1' (using password: YES)

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

Enter password:

ERROR 1045 (28000): Access denied for user 'root'@'172.18.0.1' (using password: YES)

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 10

Server version: 8.0.31 MySQL Community Server - GPL

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

```
mysql> exit
```

Bye

```
marina@MarinaHollanda:/mnt/c/Windows/system32/mysql/Dockerfile$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                                                                 NAMES
4502ac23ee39   mysql    "docker-entrypoint.s..." 3 minutes ago  Up 3 minutes  0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp  flamboyant_colden

marina@MarinaHollanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run -i -t --volumes-from e1c9c12c71ed busybox
Unable to find image 'busybox:latest' locally
latest: Pulling from library/busybox
405fecb6a2fa: Pull complete
Digest: sha256:fcd85228d7a25feb59f101ac3a955d27c80df4ad824d65f5757a954831450185
Status: Downloaded newer image for busybox:latest
docker: Error response from daemon: No such container: e1c9c12c71ed.
See 'docker run --help'.

marina@MarinaHollanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run -i -t --volumes-from 4502ac23ee39 busybox
/ # ls -la var/lib/mysql/
total 99680
-rw-r----- 1 999      999      196608 Nov 28 02:15 #ib_16384_0.dblwr
-rw-r----- 1 999      999      8585216 Nov 28 02:12 #ib_16384_1.dblwr
drwxr-x--- 2 999      999      4096 Nov 28 02:13 #innodb_redo
drwxr-x--- 2 999      999      4096 Nov 28 02:13 #innodb_temp
drwxrwxrwt 7 999      999      4096 Nov 28 02:13 .
drwxr-xr-x 3 root     root     4096 Nov 28 02:17 ..
-rw-r----- 1 999      999        56 Nov 28 02:12 auto.cnf
-rw-r----- 1 999      999    3023345 Nov 28 02:12 binlog.000001
-rw-r----- 1 999      999      157 Nov 28 02:13 binlog.000002
-rw-r----- 1 999      999      32 Nov 28 02:13 binlog.index
-rw----- 1 999      999     1676 Nov 28 02:12 ca-key.pem
-rw-r--r-- 1 999      999     1112 Nov 28 02:12 ca.pem
-rw-r--r-- 1 999      999     1112 Nov 28 02:12 client-cert.pem
-rw----- 1 999      999     1676 Nov 28 02:12 client-key.pem
-rw-r----- 1 999      999     5717 Nov 28 02:12 ib_buffer_pool
-rw-r----- 1 999      999    12582912 Nov 28 02:13 ibdata1
-rw-r----- 1 999      999    12582912 Nov 28 02:13 ibtmp1
drwxr-x--- 2 999      999      4096 Nov 28 02:12 mysql
-rw-r----- 1 999      999    31457280 Nov 28 02:13 mysql.ibd
lrwxrwxrwx 1 999      999        27 Nov 28 02:12 mysql.sock -> /var/run/mysqld/mysqld.sock
drwxr-x--- 2 999      999      4096 Nov 28 02:12 performance_schema
-rw----- 1 999      999     1676 Nov 28 02:12 private_key.pem
-rw-r--r-- 1 999      999      452 Nov 28 02:12 public_key.pem
-rw-r--r-- 1 999      999     1112 Nov 28 02:12 server-cert.pem
-rw----- 1 999      999     1680 Nov 28 02:12 server-key.pem
drwxr-x--- 2 999      999      4096 Nov 28 02:12 sys
-rw-r----- 1 999      999    16777216 Nov 28 02:15 undo_001
-rw-r----- 1 999      999    16777216 Nov 28 02:15 undo_002
/ # exit

marina@MarinaHollanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run --volumes-from 4502ac23ee39 -v \
> /backup ubuntu tar cvf /backup/backup.tar /var/lib/mysql
tar: Removing leading `/' from member names
/var/lib/mysql/
/var/lib/mysql/private_key.pem
/var/lib/mysql/#ib_16384_1.dblwr
```

```
/var/lib/mysql/ibdata1
/var/lib/mysql/binlog.000002
/var/lib/mysql/auto.cnf
/var/lib/mysql/performance_schema/
/var/lib/mysql/performance_schema/rwlock_instances_101.sdi
/var/lib/mysql/performance_schema/variables_by_thr_183.sdi
/var/lib/mysql/performance_schema/keyring_keys_152.sdi
/var/lib/mysql/performance_schema/setup_actors_102.sdi
/var/lib/mysql/performance_schema/prepared_stateme_175.sdi
/var/lib/mysql/performance_schema/table_io_waits_s_108.sdi
/var/lib/mysql/performance_schema/setup_consumers_103.sdi
/var/lib/mysql/performance_schema/events_errors_su_143.sdi
/var/lib/mysql/performance_schema/threads_110.sdi
/var/lib/mysql/performance_schema/events_statement_128.sdi
/var/lib/mysql/performance_schema/events_waits_sum_88.sdi
/var/lib/mysql/performance_schema/file_summary_by__95.sdi
/var/lib/mysql/performance_schema/metadata_locks_159.sdi
/var/lib/mysql/performance_schema/events_errors_su_141.sdi
/var/lib/mysql/performance_schema/events_waits_sum_92.sdi
/var/lib/mysql/performance_schema/processlist_100.sdi
/var/lib/mysql/performance_schema/events_waits_cur_84.sdi
/var/lib/mysql/performance_schema/replication_asyn_172.sdi
/var/lib/mysql/performance_schema/replication_appl_165.sdi
/var/lib/mysql/performance_schema/events_transacti_137.sdi
/var/lib/mysql/performance_schema/cond_instances_82.sdi
/var/lib/mysql/performance_schema/events_stages_su_117.sdi
/var/lib/mysql/performance_schema/status_by_accoun_177.sdi
/var/lib/mysql/performance_schema/memory_summary_b_155.sdi
/var/lib/mysql/performance_schema/events_stages_su_116.sdi
/var/lib/mysql/performance_schema/events_statement_119.sdi
/var/lib/mysql/performance_schema/events_waits_sum_87.sdi
/var/lib/mysql/performance_schema/user_variables_b_176.sdi
/var/lib/mysql/performance_schema/persisted_variab_187.sdi
/var/lib/mysql/performance_schema/table_io_waits_s_107.sdi
/var/lib/mysql/performance_schema/status_by_host_178.sdi
/var/lib/mysql/performance_schema/data_locks_160.sdi
/var/lib/mysql/performance_schema/events_transacti_134.sdi
/var/lib/mysql/performance_schema/events_transacti_136.sdi
/var/lib/mysql/performance_schema/events_statement_125.sdi
/var/lib/mysql/performance_schema/events_statement_127.sdi
/var/lib/mysql/performance_schema/socket_summary_b_148.sdi
/var/lib/mysql/performance_schema/global_variables_184.sdi
/var/lib/mysql/performance_schema/replication_conn_164.sdi
/var/lib/mysql/performance_schema/events_stages_hi_113.sdi
/var/lib/mysql/performance_schema/file_instances_93.sdi
/var/lib/mysql/performance_schema/replication_grou_163.sdi
/var/lib/mysql/performance_schema/session_variable_185.sdi
/var/lib/mysql/performance_schema/events_waits_sum_89.sdi
/var/lib/mysql/performance_schema/events_waits_his_86.sdi
```

```
/var/lib/mysql/#innodb_redo/#ib_redo27_tmp
/var/lib/mysql/#innodb_redo/#ib_redo36_tmp
/var/lib/mysql/#innodb_redo/#ib_redo28_tmp
/var/lib/mysql/#innodb_redo/#ib_redo18_tmp
/var/lib/mysql/#innodb_redo/#ib_redo12_tmp
/var/lib/mysql/#innodb_redo/#ib_redo15_tmp
/var/lib/mysql/#innodb_redo/#ib_redo13_tmp
/var/lib/mysql/#innodb_redo/#ib_redo37_tmp
/var/lib/mysql/#innodb_redo/#ib_redo40_tmp
/var/lib/mysql/#innodb_redo/#ib_redo30_tmp
/var/lib/mysql/#innodb_redo/#ib_redo31_tmp
/var/lib/mysql/#innodb_redo/#ib_redo14_tmp
/var/lib/mysql/#innodb_redo/#ib_redo23_tmp
/var/lib/mysql/#innodb_redo/#ib_redo25_tmp
/var/lib/mysql/#innodb_redo/#ib_redo16_tmp
/var/lib/mysql/#innodb_redo/#ib_redo11_tmp
/var/lib/mysql/#innodb_redo/#ib_redo19_tmp
/var/lib/mysql/mysql/
/var/lib/mysql/mysql/slow_log.CSM
/var/lib/mysql/mysql/general_log_213.sdi
/var/lib/mysql/mysql/general_log.CSV
/var/lib/mysql/mysql/slow_log_214.sdi
/var/lib/mysql/mysql/general_log.CSM
/var/lib/mysql/mysql/slow_log.CSV
/var/lib/mysql/#ib_16384_0.dblwr
/var/lib/mysql/binlog.000001
/var/lib/mysql/undo_001
/var/lib/mysql/mysql.ibd
/var/lib/mysql/mysql.sock
/var/lib/mysql/sys/
/var/lib/mysql/sys/sys_config.ibd
/var/lib/mysql/binlog.index
/var/lib/mysql/ib_buffer_pool
/var/lib/mysql/client-cert.pem
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ ls -la
```

```
total 0
```

```
drwxrwxrwx 1 marina marina 512 Nov 27 23:10 .
```

```
drwxrwxrwx 1 marina marina 512 Nov 24 11:14 ..
```

```
-rwxrwxrwx 1 marina marina 371 Nov 27 23:10 Dockerfile
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

```
Enter password:
```

```
ERROR 2013 (HY000): Lost connection to MySQL server at 'reading initial communication packet', system error: 0
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

```
Enter password:
```

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

```
Your MySQL connection id is 11
```

```
Server version: 8.0.31 MySQL Community Server - GPL
```

```
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
```

```
mysql> create database example;
Query OK, 1 row affected (0.03 sec)
```

```
mysql> use example;
Database changed
mysql> create table docker (-> id int,
-> -> name varchar(200)
-> );
```

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> id int,
-> name varchar(200)
)' at line 1
```

```
mysql> create table docker (
-> id int,
-> name varchar(200)
-> );
Query OK, 0 rows affected (0.08 sec)
```

```
mysql> show tables;
+-----+
| Tables_in_example |
+-----+
| docker             |
+-----+
1 row in set (0.01 sec)
```

```
mysql> exit
Bye
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run --volumes-from 4502ac23ee39 -v \
```

```
> $(pwd):/backup ubuntu tar cvf /backup/backup.tar /var/lib/mysql
```

```
tar: Removing leading `/' from member names
```

```
/var/lib/mysql/
/var/lib/mysql/private_key.pem
/var/lib/mysql/example/
/var/lib/mysql/example/docker.ibd
/var/lib/mysql/#ib_16384_1.dblwr
/var/lib/mysql/ibdata1
/var/lib/mysql/binlog.000002
/var/lib/mysql/auto.cnf
/var/lib/mysql/performance_schema/
/var/lib/mysql/performance_schema/rwlock_instances_101.sdi
/var/lib/mysql/performance_schema/variables_by_thr_183.sdi
/var/lib/mysql/performance_schema/keyring_keys_152.sdi
/var/lib/mysql/performance_schema/setup_actors_102.sdi
/var/lib/mysql/performance_schema/prepared_stateme_175.sdi
/var/lib/mysql/performance_schema/table_io_waits_s_108.sdi
/var/lib/mysql/performance_schema/setup_consumers_103.sdi
/var/lib/mysql/performance_schema/events_errors_su_143.sdi
/var/lib/mysql/performance_schema/threads_110.sdi
/var/lib/mysql/performance_schema/events_statement_128.sdi
```



```
/var/lib/mysql/#innodb_redo/#ib_redo20_tmp
/var/lib/mysql/#innodb_redo/#ib_redo29_tmp
/var/lib/mysql/#innodb_redo/#ib_redo39_tmp
/var/lib/mysql/#innodb_redo/#ib_redo9
/var/lib/mysql/#innodb_redo/#ib_redo35_tmp
/var/lib/mysql/#innodb_redo/#ib_redo21_tmp
/var/lib/mysql/#innodb_redo/#ib_redo22_tmp
/var/lib/mysql/#innodb_redo/#ib_redo24_tmp
/var/lib/mysql/#innodb_redo/#ib_redo33_tmp
/var/lib/mysql/#innodb_redo/#ib_redo32_tmp
/var/lib/mysql/#innodb_redo/#ib_redo26_tmp
/var/lib/mysql/#innodb_redo/#ib_redo38_tmp
/var/lib/mysql/#innodb_redo/#ib_redo34_tmp
/var/lib/mysql/#innodb_redo/#ib_redo27_tmp
/var/lib/mysql/#innodb_redo/#ib_redo36_tmp
/var/lib/mysql/#innodb_redo/#ib_redo28_tmp
/var/lib/mysql/#innodb_redo/#ib_redo18_tmp
/var/lib/mysql/#innodb_redo/#ib_redo12_tmp
/var/lib/mysql/#innodb_redo/#ib_redo15_tmp
/var/lib/mysql/#innodb_redo/#ib_redo13_tmp
/var/lib/mysql/#innodb_redo/#ib_redo37_tmp
/var/lib/mysql/#innodb_redo/#ib_redo40_tmp
/var/lib/mysql/#innodb_redo/#ib_redo30_tmp
/var/lib/mysql/#innodb_redo/#ib_redo31_tmp
/var/lib/mysql/#innodb_redo/#ib_redo14_tmp
/var/lib/mysql/#innodb_redo/#ib_redo23_tmp
/var/lib/mysql/#innodb_redo/#ib_redo25_tmp
/var/lib/mysql/#innodb_redo/#ib_redo16_tmp
/var/lib/mysql/#innodb_redo/#ib_redo11_tmp
/var/lib/mysql/#innodb_redo/#ib_redo19_tmp
/var/lib/mysql/mysql/
/var/lib/mysql/mysql/slow_log.CSM
/var/lib/mysql/mysql/general_log_213.sdi
/var/lib/mysql/mysql/general_log.CSV
/var/lib/mysql/mysql/slow_log_214.sdi
/var/lib/mysql/mysql/general_log.CSM
/var/lib/mysql/mysql/slow_log.CSV
/var/lib/mysql/#ib_16384_0.dblwr
/var/lib/mysql/binlog.000001
/var/lib/mysql/undo_001
/var/lib/mysql/mysql.ibd
/var/lib/mysql/mysql.sock
/var/lib/mysql/sys/
/var/lib/mysql/sys/sys_config.ibd
/var/lib/mysql/binlog.index
/var/lib/mysql/ib_buffer_pool
/var/lib/mysql/client-cert.pem
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker rm -f 4502ac23ee39
4502ac23ee39
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run -d -p 3306:3306 -e MYSQL_ROOT_PASSWORD=xpto1234 mysql
```

```
376ad4bf10f8146006f71087692509f66b6da84767287b741ab67edd5b1e2efb
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

```
Enter password:
```

```
ERROR 2013 (HY000): Lost connection to MySQL server at 'reading initial communication packet', system error: 0
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

```
Enter password:
```

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

```
Your MySQL connection id is 8
```

```
Server version: 8.0.31 MySQL Community Server - GPL
```

```
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
```

```
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owners.
```

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

```
mysql> show databases;
```

```
+-----+  
| Database |  
+-----+  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
+-----+
```

```
4 rows in set (0.00 sec)
```

```
mysql> exit
```

```
Bye
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
376ad4bf10f8	mysql	"docker-entrypoint.s..."	About a minute ago	Up About a minute	0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp	sleepy_maxwell

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ sudo docker run --volumes-from 376ad4bf10f8 -v \
```

```
> $(pwd):/backup busybox tar xvf /backup/backup.tar
```

```
var/lib/mysql/
```

```
var/lib/mysql/private_key.pem
```

```
var/lib/mysql/example/
```

```
var/lib/mysql/example/docker.ibd
```

```
var/lib/mysql/#ib_16384_1.dblwr
```

```
var/lib/mysql/ibdata1
```

```
var/lib/mysql/binlog.000002
```

```
var/lib/mysql/auto.cnf
```

```
var/lib/mysql/performance_schema/
```

```
var/lib/mysql/performance_schema/rwlock_instances_101.sdi
```

```
var/lib/mysql/performance_schema/variables_by_thr_183.sdi
```

```
var/lib/mysql/performance_schema/keyring_keys_152.sdi
```

```
var/lib/mysql/#innodb_redo/#ib_redo30_tmp
var/lib/mysql/#innodb_redo/#ib_redo31_tmp
var/lib/mysql/#innodb_redo/#ib_redo14_tmp
var/lib/mysql/#innodb_redo/#ib_redo23_tmp
var/lib/mysql/#innodb_redo/#ib_redo25_tmp
var/lib/mysql/#innodb_redo/#ib_redo16_tmp
var/lib/mysql/#innodb_redo/#ib_redo11_tmp
var/lib/mysql/#innodb_redo/#ib_redo19_tmp
var/lib/mysql/mysql/
var/lib/mysql/mysql/slow_log.CSM
var/lib/mysql/mysql/general_log_213.sdi
var/lib/mysql/mysql/general_log.CSV
var/lib/mysql/mysql/slow_log_214.sdi
var/lib/mysql/mysql/general_log.CSM
var/lib/mysql/mysql/slow_log.CSV
var/lib/mysql/#ib_16384_0.dblwr
var/lib/mysql/binlog.000001
var/lib/mysql/undo_001
var/lib/mysql/mysql.ibd
var/lib/mysql/mysql.sock
var/lib/mysql/sys/
var/lib/mysql/sys/sys_config.ibd
var/lib/mysql/binlog.index
var/lib/mysql/ib_buffer_pool
var/lib/mysql/client-cert.pem
```

```
marina@MarinaHolanda:/mnt/c/Windows/system32/mysql/Dockerfile$ mysql -h 127.0.0.1 -u root -p
```

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 9

Server version: 8.0.31 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> show databases;
```

```
+-----+
| Database          |
+-----+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+-----+
```

```
4 rows in set (0.00 sec)
```



```
mysql> use mysql
```

```
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_mysql
columns_priv
component
db
default_roles
engine_cost
func
general_log
global_grants
gtid_executed
help_category
help_keyword
help_relation
help_topic
innodb_index_stats
innodb_table_stats
ndb_binlog_index
password_history
plugin
procs_priv
proxies_priv
replication_asynchronous_connection_failover
replication_asynchronous_connection_failover_managed
replication_group_configuration_version
replication_group_member_actions
role_edges
server_cost
servers
slave_master_info
slave_relay_log_info
slave_worker_info
slow_log
tables_priv
time_zone
time_zone_leap_second
time_zone_name
time_zone_transition
time_zone_transition_type
user

```
38 rows in set (0.00 sec)
```