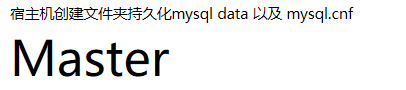
[docker mysql 主从复制](https://www.cnblogs.com/sweetchildomine/p/7814692.html)

<https://www.cnblogs.com/sweetchildomine/p/7814692.html>

当然首先 docker pull mysql



mkdir /usr/local/mysqlData/master/cnf

mkdir /usr/local/mysqlData/master/data

vi /usr/loal/mysqlData/master/cnf/mysql.cnf



[mysqld]

pid-file = /var/run/mysqld/mysqld.pid

socket = /var/run/mysqld/mysqld.sock

datadir = /var/lib/mysql

symbolic-links=0

character-set-server = utf8

#skip-networking

innodb\_print\_all\_deadlocks = 1

max\_connections = 2000

max\_connect\_errors = 6000

open\_files\_limit = 65535

table\_open\_cache = 128

max\_allowed\_packet = 4M

binlog\_cache\_size = 1M

max\_heap\_table\_size = 8M

tmp\_table\_size = 16M

read\_buffer\_size = 2M

read\_rnd\_buffer\_size = 8M

sort\_buffer\_size = 8M

join\_buffer\_size = 28M

key\_buffer\_size = 4M

thread\_cache\_size = 8

query\_cache\_type = 1

query\_cache\_size = 8M

query\_cache\_limit = 2M

ft\_min\_word\_len = 4

log-bin = mysql-bin

server-id = 1

binlog\_format = mixed

performance\_schema = 0

explicit\_defaults\_for\_timestamp

#lower\_case\_table\_names = 1

interactive\_timeout = 28800

wait\_timeout = 28800

# Recommended in standard MySQL setup

sql\_mode=NO\_ENGINE\_SUBSTITUTION,NO\_AUTO\_CREATE\_USER,STRICT\_TRANS\_TABLES

[mysqldump]

quick

max\_allowed\_packet = 16M

[myisamchk]

key\_buffer\_size = 8M

sort\_buffer\_size = 8M

read\_buffer = 4M

write\_buffer = 4M





docker run -itd -p 3306:3306 --name master -v /usr/local/mysqlData/master/cnf:/etc/mysql/conf.d -v /usr/local/mysqlData/master/data:/var/lib/mysql -e MYSQL\_ROOT\_PASSWORD=masterpwd 5709795eeffa

，并添加复制master数据的用户，等下会用上



[root@192 ~]# docker exec -it 942c2253509c /bin/bash

root@942c2253509c:/# mysql -uroot -pmasterpwd

mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'%' IDENTIFIED BY 'masterpwd' WITH GRANT OPTION;

Query OK, 0 rows affected, 1 warning (0.00 sec)

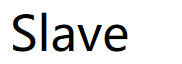
mysql> GRANT REPLICATION SLAVE ON \*.\* to 'reader'@'%' identified by 'readerpwd';

Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.00 sec)





mkdir /usr/local/mysqlData/slave/cnf

mkdir /usr/local/mysqlData/slave/data

vi /usr/loal/mysqlData/slave/cnf/mysql.cnf



[mysqld]

pid-file = /var/run/mysqld/mysqld.pid

socket = /var/run/mysqld/mysqld.sock

datadir = /var/lib/mysql

symbolic-links=0

character-set-server = utf8

#skip-networking

innodb\_print\_all\_deadlocks = 1

max\_connections = 2000

max\_connect\_errors = 6000

open\_files\_limit = 65535

table\_open\_cache = 128

max\_allowed\_packet = 4M

binlog\_cache\_size = 1M

max\_heap\_table\_size = 8M

tmp\_table\_size = 16M

read\_buffer\_size = 2M

read\_rnd\_buffer\_size = 8M

sort\_buffer\_size = 8M

join\_buffer\_size = 28M

key\_buffer\_size = 4M

thread\_cache\_size = 8

query\_cache\_type = 1

query\_cache\_size = 8M

query\_cache\_limit = 2M

ft\_min\_word\_len = 4

log-bin = mysql-bin

server-id = 2

binlog\_format = mixed

performance\_schema = 0

explicit\_defaults\_for\_timestamp

#lower\_case\_table\_names = 1

interactive\_timeout = 28800

wait\_timeout = 28800

# Recommended in standard MySQL setup

sql\_mode=NO\_ENGINE\_SUBSTITUTION,NO\_AUTO\_CREATE\_USER,STRICT\_TRANS\_TABLES

[mysqldump]

quick

max\_allowed\_packet = 16M

[myisamchk]

key\_buffer\_size = 8M

sort\_buffer\_size = 8M

read\_buffer = 4M

write\_buffer = 4M



 创建远程连接用户，并赋予查询数据库，以及查询的权限，可以用于读写分离



docker run -itd -p 3307:3306 --name master -v /usr/local/mysqlData/slave/cnf:/etc/mysql/conf.d -v /usr/local/mysqlData/slave/data:/var/lib/mysql -e MYSQL\_ROOT\_PASSWORD=slavepwd 5709795eeffa

#进入容器开启root 远程访问

[root@192 ~]# docker exec -it 942c2253509c /bin/bash

root@942c2253509c:/# mysql -uroot -pslavepwd

mysql> grant SHOW DATABASES,SELECT on \*.\* to 'slave'@'%' identified by 'slavepwd';

mysql> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.00 sec)







mysql> show master status;

+------------------+----------+--------------+------------------+-------------------+

| File | Position | Binlog\_Do\_DB | Binlog\_Ignore\_DB | Executed\_Gtid\_Set |

+------------------+----------+--------------+------------------+-------------------+

| mysql-bin.000007 | 675 | | | |

+------------------+----------+--------------+------------------+-------------------+

1 row in set (0.00 sec)







mysql> change master to master\_host='192.168.1.9',master\_user='reader',master\_password='readerpwd',master\_log\_file='mysql-bin.000007',master\_log\_pos=501;

Query OK, 0 rows affected, 2 warnings (0.03 sec)

mysql> start slave;

Query OK, 0 rows affected (0.03 sec)

mysql> show slave status\G

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Slave\_IO\_State: Waiting for master to send event

Master\_Host: 192.168.1.9

Master\_User: reader

Master\_Port: 3306

Connect\_Retry: 60

Master\_Log\_File: mysql-bin.000007

Read\_Master\_Log\_Pos: 501

Relay\_Log\_File: 0b763a8d1ddd-relay-bin.000002

Relay\_Log\_Pos: 320

Relay\_Master\_Log\_File: mysql-bin.000007

Slave\_IO\_Running: Yes

Slave\_SQL\_Running: Yes





mysql> create database slavetest;

Query OK, 1 row affected (0.00 sec)





mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| slavetest |

| sys |

+--------------------+

5 rows in set (0.00 sec)