在 mastera 上已经配置好数据库 mysql> show databases; +----+ | Database | +----+ | information_schema | | db01 | db02 mysql | performance_schema | +----+ 6 rows in set (0.13 sec) 首先做数据库全库导出 mysqldump -A -uroot -p'Gmcc#123' > /tmp/mysql.all.sql 每个 mysql 都启动起来: systemctl start mysqld 将导出文件导入 for i in 130 131 132; do scp /tmp/mysql.all.sql root@192.168.45.\$i:/tmp; done for i in 130 131 132 ;do ssh root@192.168.45.\$i "mysql -uroot -p'Gmcc#123' < /tmp/mysql.all.sql"; done 修改配置文件: [root@mastera ~]# cat /etc/my.cnf [mysqld] # innodb_buffer_pool_size = 128M character_set_server=utf8 init_connect='SET NAMES utf8' $gtid_mode = ON$ enforce_gtid_consistency = 1 # These are commonly set, remove the # and set as required.

basedir = /opt/mysql

datadir = /opt/mysql/mysqldata

```
port = 3306
server_id = 1
socket = /var/lib/mysql/mysql.sock
```

log-bin=/opt/mysql/master-binlog log-bin-index=/opt/mysql/mysql-binlog sql_mode=NO_ENGINE_SUBSTITUTION,STRICT_TRANS_TABLES [client] default-character-set=utf8

[root@masterb ~]# vi /etc/my.cnf [mysqld]

innodb_buffer_pool_size = 128M character_set_server=utf8 init_connect='SET NAMES utf8' gtid_mode = ON enforce_gtid_consistency = 1

basedir = /opt/mysql datadir = /opt/mysql/mysqldata port = 3306 server_id = 2 socket = /var/lib/mysql/mysql.sock

log-bin=/opt/mysql/slave-binlog log-bin-index=/opt/mysql/mysql-binlog sql_mode=NO_ENGINE_SUBSTITUTION,STRICT_TRANS_TABLES [client] default-character-set=utf8

[root@slavea ~]# vi /etc/my.cnf [mysqld]

```
character_set_server=utf8
init_connect='SET NAMES utf8'
gtid_mode = ON
enforce_gtid_consistency = 1
# These are commonly set, remove the # and set as required.
basedir = /opt/mysql
datadir = /opt/mysql/mysqldata
port = 3306
server_id = 3
master-info-repository=TABLE
relay-log-info-repository=TABLE
socket = /var/lib/mysql/mysql.sock
log-bin=/opt/mysql/master-binlog
log-bin-index=/opt/mysql/mysql-binlog
sql_mode=NO_ENGINE_SUBSTITUTION,STRICT_TRANS_TABLES
[client]
default-character-set=utf8
重启 mysql 服务:
for i in 130 131 132 ;do ssh root@192.168.45.$i "systemctl restart mysqld";done
mastera 上操作
mysal -uroot -pGmcc#123
grant replication slave on *.* to slave@192.168.45.130 identified by 'Gmcc#123';
grant replication slave on *.* to slave@192.168.45.131 identified by 'Gmcc#123';
grant replication slave on *.* to slave@192.168.45.132 identified by 'Gmcc#123';
grant replication slave on *.* to slave@192.168.45.129 identified by 'Gmcc#123';
在 masterb 上面 change master:
mysql>
                                    change
                                                                        master
                                                                                                           to
master_host="192.168.45.129",master_user="slave",master_password="Gmcc#123",master_auto_position=1;
mysql> start slave;
mysql> show slave status\G;
```

Slave_IO_State: Waiting for master to send event

Master_Host: 192.168.45.129

Master_User: slave Master_Port: 3306 Connect_Retry: 60

Master_Log_File: master-binlog.000003

Read_Master_Log_Pos: 1342

Relay_Log_File: masterb-relay-bin.000002

Relay_Log_Pos: 1563

Relay_Master_Log_File: master-binlog.000003

Slave_IO_Running: Yes Slave_SQL_Running: Yes Replicate_Do_DB: Replicate_Ignore_DB:

Replicate_Do_Table:

Replicate_Ignore_Table:

Replicate_Wild_Do_Table:

Replicate_Wild_Ignore_Table:

Last_Errno: 0

Last_Error:

Skip_Counter: 0

Exec_Master_Log_Pos: 1342

Relay_Log_Space: 1772 Until_Condition: None

Until_Log_File:

Until_Log_Pos: 0

Master_SSL_Allowed: No

Master_SSL_CA_File:

Master_SSL_CA_Path:

Master_SSL_Cert:

Master_SSL_Cipher:

Master_SSL_Key:

Seconds_Behind_Master: 0

Master_SSL_Verify_Server_Cert: No

Last_IO_Errno: 0

Last_IO_Error:

Last_SQL_Errno: 0

Last_SQL_Error:

Replicate_Ignore_Server_Ids:

Master_Server_Id: 1

```
Master_UUID: ebc5dafa-6fbd-11e7-ab6a-000c295e46a3
              Master_Info_File: /opt/mysql/mysqldata/master.info
                     SQL_Delay: 0
          SQL_Remaining_Delay: NULL
      Slave_SQL_Running_State: Slave has read all relay log; waiting for more updates
            Master_Retry_Count: 86400
                   Master_Bind:
      Last_IO_Error_Timestamp:
     Last_SQL_Error_Timestamp:
                Master_SSL_Crl:
            Master_SSL_Crlpath:
            Retrieved_Gtid_Set: ebc5dafa-6fbd-11e7-ab6a-000c295e46a3:1-4
             Executed_Gtid_Set: ebc5dafa-6fbd-11e7-ab6a-000c295e46a3:1-4
                 Auto Position: 1
          Replicate_Rewrite_DB:
                  Channel Name:
            Master TLS Version:
1 row in set (0.00 sec)
ERROR:
No query specified
#在 mastera 上面 change master:
change
                                                     master
                                                                                                          to
master_host="192.168.45.130",master_user="slave",master_password="Gmcc#123",master_auto_position=1;
mysql> start slave;
Query OK, 0 rows affected (0.01 sec)
mysql> show slave status \G;
************************ 1. row ******************
                Slave_IO_State: Waiting for master to send event
                   Master_Host: 192.168.45.130
                   Master_User: slave
                   Master_Port: 3306
                 Connect_Retry: 60
               Master_Log_File: slave-binlog.000005
          Read_Master_Log_Pos: 154
                Relay_Log_File: mastera-relay-bin.000002
```

Relay_Log_Pos: 373

```
Relay_Master_Log_File: slave-binlog.000005
              Slave_IO_Running: Yes
             Slave_SQL_Running: Yes
               Replicate_Do_DB:
           Replicate_Ignore_DB:
            Replicate_Do_Table:
       Replicate_Ignore_Table:
      Replicate_Wild_Do_Table:
  Replicate_Wild_Ignore_Table:
                     Last_Errno: 0
                     Last_Error:
                   Skip_Counter: 0
           Exec_Master_Log_Pos: 154
               Relay Log Space: 582
               Until_Condition: None
                Until_Log_File:
                 Until_Log_Pos: 0
            Master_SSL_Allowed: No
            Master_SSL_CA_File:
            Master_SSL_CA_Path:
               Master_SSL_Cert:
             Master_SSL_Cipher:
                Master_SSL_Key:
        Seconds_Behind_Master: 0
Master_SSL_Verify_Server_Cert: No
                 Last_IO_Errno: 0
                 Last IO Error:
                Last_SQL_Errno: 0
                Last_SQL_Error:
  Replicate_Ignore_Server_Ids:
              Master_Server_Id: 2
                    Master_UUID: 54515095-7861-11e7-863d-000c29c67787
              Master_Info_File: /opt/mysql/mysqldata/master.info
                      SQL_Delay: 0
           SQL_Remaining_Delay: NULL
      Slave_SQL_Running_State: Slave has read all relay log; waiting for more updates
            Master_Retry_Count: 86400
                    Master_Bind:
```

Last_IO_Error_Timestamp:

```
Last_SQL_Error_Timestamp:
               Master_SSL_Crl:
           Master_SSL_Crlpath:
           Retrieved_Gtid_Set:
            Executed_Gtid_Set: ebc5dafa-6fbd-11e7-ab6a-000c295e46a3:1-4
               Auto_Position: 1
         Replicate_Rewrite_DB:
                Channel_Name:
          Master_TLS_Version:
1 row in set (0.00 sec)
ERROR:
No query specified
mysql>
----- 测试 -----
在 a 插入数据
mysql> insert into db01.t1 set id=16;
Query OK, 1 row affected (0.01 sec)
在 masterb 上查询
mysql> select * from db01.t1;
+----+
|id |name |
+----+
   10 | zhang |
    3 | NULL |
    4 | NULL |
    5 | NULL |
    6 | NULL |
    7 | NULL |
    8 | NULL |
    9 | NULL |
   11 | NULL |
```

12 | NULL | 13 | NULL | 14 | NULL | 15 | NULL |

```
16 | NULL |
+----+
14 rows in set (0.00 sec)
在 slavea 上操作
change
                                                     master
master_host="192.168.45.129",master_user="slave",master_password="Gmcc#123",master_log_file='master-
binlog.000003',master_log_pos=2011 for channel 'mastera';
change
                                                     master
master_host="192.168.45.130",master_user="slave",master_password="Gmcc#123",master_log_file='slave-
binlog.000005',master_log_pos=306 for channel 'masterb';
mysql> show slave status \G;
************************* 1. row *******************
                Slave_IO_State:
                   Master Host: 192.168.45.129
                   Master_User: slave
                   Master_Port: 3306
                 Connect_Retry: 60
               Master_Log_File: master-binlog.000003
          Read_Master_Log_Pos: 2011
                Relay_Log_File: slavea-relay-bin-mastera.000001
                 Relay_Log_Pos: 4
        Relay_Master_Log_File: master-binlog.000003
              Slave_IO_Running: No
             Slave_SQL_Running: Yes
               Replicate_Do_DB:
          Replicate_Ignore_DB:
            Replicate Do Table:
       Replicate_Ignore_Table:
      Replicate_Wild_Do_Table:
  Replicate_Wild_Ignore_Table:
                    Last_Errno: 0
                    Last_Error:
                  Skip_Counter: 0
          Exec_Master_Log_Pos: 2011
               Relay_Log_Space: 154
               Until_Condition: None
```

to

to

Master_SSL_Cipher: Master_SSL_Key:

Seconds_Behind_Master: NULL Master_SSL_Verify_Server_Cert: No

Last_IO_Errno: 1593

Last_IO_Error: Fatal error: The slave I/O thread stops because master and slave have equal MySQL server UUIDs; theseUUIDs must be different for replication to work.

Last_SQL_Errno: 0
Last_SQL_Error:

Replicate_Ignore_Server_Ids:

Master_Server_Id: 1

Master_UUID:

Master_Info_File: mysql.slave_master_info

SQL_Delay: 0

SQL_Remaining_Delay: NULL

Slave_SQL_Running_State: Slave has read all relay log; waiting for more updates

Master_Retry_Count: 86400

Master_Bind:

Last_IO_Error_Timestamp: 170809 16:29:58

Last_SQL_Error_Timestamp:

Master_SSL_Crl:
Master_SSL_Crlpath:
Retrieved_Gtid_Set:
Executed_Gtid_Set:

Auto_Position: 0

Replicate_Rewrite_DB:

Channel_Name: mastera

Master_TLS_Version:

************************* 2. row ******************

Slave_IO_State: Waiting for master to send event

Master_Host: 192.168.45.130

Master_User: slave Master_Port: 3306 Connect_Retry: 60

Master_Log_File: slave-binlog.000005

Read_Master_Log_Pos: 306

Relay_Log_File: slavea-relay-bin-masterb.000002

Relay_Log_Pos: 323

Relay_Master_Log_File: slave-binlog.000005

Slave_IO_Running: Yes Slave_SQL_Running: Yes

Replicate_Do_DB:

Replicate_Ignore_DB:

Replicate_Do_Table:

Replicate_Ignore_Table:

Replicate_Wild_Do_Table:

Replicate_Wild_Ignore_Table:

Last_Errno: 0

Last_Error:

Skip_Counter: 0

Exec_Master_Log_Pos: 306

Relay_Log_Space: 539

Until_Condition: None

Until_Log_File:

Until_Log_Pos: 0

Master_SSL_Allowed: No

Master_SSL_CA_File:

Master_SSL_CA_Path:

Master_SSL_Cert:

Master_SSL_Cipher:

Master_SSL_Key:

Seconds_Behind_Master: 0

Master_SSL_Verify_Server_Cert: No

Last_IO_Errno: 0

Last_IO_Error:

Last_SQL_Errno: 0

Last_SQL_Error:

Replicate_Ignore_Server_Ids:

Master_Server_Id: 2

Master_UUID: 54515095-7861-11e7-863d-000c29c67787

Master_Info_File: mysql.slave_master_info

SQL_Delay: 0

```
SQL_Remaining_Delay: NULL
      Slave_SQL_Running_State: Slave has read all relay log; waiting for more updates
           Master_Retry_Count: 86400
                  Master_Bind:
      Last_IO_Error_Timestamp:
     Last_SQL_Error_Timestamp:
              Master_SSL_Crl:
           Master_SSL_Crlpath:
           Retrieved_Gtid_Set:
           Executed_Gtid_Set:
               Auto_Position: 0
         Replicate_Rewrite_DB:
                Channel_Name: masterb
           Master TLS Version:
2 rows in set (0.01 sec)
其中 chanela 有报错:
Last_IO_Errno: 1593
Last_IO_Error: Fatal error: The slave I/O thread stops because master and slave have equal MySQL server UUIDs;
theseUUIDs must be different for replication to work
mysql> select uuid();
+----+
| uuid()
| 0be56c48-7cdd-11e7-92e1-000c290d28e4 |
+----+
1 row in set (0.00 sec)
/opt/mysql/mysqldata/auto.cnf 的 uuid 修改和查询出来的 uuid 一致,
stop slave;
systemctl restart mysqld
start slave;
问题解决
在 slaveb 上操作
```

master

master_host="192.168.45.129",master_user="slave",master_password="Gmcc#123",master_log_file='master-

to

change

```
binlog.000003',master_log_pos=2011 for channel 'mastera';
change
                                                  master
master_host="192.168.45.130",master_user="slave",master_password="Gmcc#123",master_log_file='slave-
binlog.000005',master_log_pos=306 for channel 'masterb';
mysql> start slave;
Query OK, 0 rows affected (0.02 sec)
mysql> show slave status\G;
Slave_IO_State:
                  Master_Host: 192.168.45.129
                  Master_User: slave
                  Master Port: 3306
                Connect_Retry: 60
              Master_Log_File: master-binlog.000003
          Read_Master_Log_Pos: 2011
               Relay_Log_File: slaveb-relay-bin-mastera.000001
                Relay_Log_Pos: 4
        Relay_Master_Log_File: master-binlog.000003
             Slave_IO_Running: No
            Slave_SQL_Running: Yes
              Replicate_Do_DB:
          Replicate_Ignore_DB:
```

Replicate_Do_Table:
 Replicate_Ignore_Table:
 Replicate_Wild_Do_Table:
Replicate_Wild_Ignore_Table:

Last_Errno: 0
Last_Error:
Skip_Counter: 0
Exec_Master_Log_Pos: 2011
Relay_Log_Space: 154
Until_Condition: None
Until_Log_File:
Until_Log_Pos: 0
Master_SSL_Allowed: No
Master_SSL_CA_File:
Master_SSL_CA_Path:

to

Master_SSL_Cert: Master_SSL_Cipher: Master_SSL_Key:

Seconds_Behind_Master: NULL

Master_SSL_Verify_Server_Cert: No

Last_IO_Errno: 1593

Last_IO_Error: Fatal error: The slave I/O thread stops because master and slave have equal MySQL server UUIDs; theseUUIDs must be different for replication to work.

Last_SQL_Errno: 0 Last_SQL_Error:

Replicate_Ignore_Server_Ids:

Master_Server_Id: 1

Master_UUID:

Master_Info_File: mysql.slave_master_info

SQL_Delay: 0

SQL_Remaining_Delay: NULL

Slave_SQL_Running_State: Slave has read all relay log; waiting for more updates

Master_Retry_Count: 86400

Master_Bind:

Last_IO_Error_Timestamp: 170809 16:42:30

Last_SQL_Error_Timestamp:

Master_SSL_Crl: Master_SSL_Crlpath:

Retrieved_Gtid_Set:

Executed_Gtid_Set:
Auto_Position: 0

Replicate_Rewrite_DB:

Channel_Name: mastera

Master_TLS_Version:

************************ 2. row ****************

Slave_IO_State: Waiting for master to send event

Master_Host: 192.168.45.130

Master_User: slave Master_Port: 3306 Connect_Retry: 60

Master_Log_File: slave-binlog.000005

Read_Master_Log_Pos: 306

Relay_Log_File: slaveb-relay-bin-masterb.000002

Relay_Log_Pos: 323

```
Relay_Master_Log_File: slave-binlog.000005
              Slave_IO_Running: Yes
             Slave_SQL_Running: Yes
               Replicate_Do_DB:
           Replicate_Ignore_DB:
            Replicate_Do_Table:
       Replicate_Ignore_Table:
      Replicate_Wild_Do_Table:
  Replicate_Wild_Ignore_Table:
                     Last_Errno: 0
                     Last_Error:
                   Skip_Counter: 0
           Exec_Master_Log_Pos: 306
               Relay Log Space: 539
               Until_Condition: None
                Until_Log_File:
                 Until_Log_Pos: 0
            Master_SSL_Allowed: No
            Master_SSL_CA_File:
            Master_SSL_CA_Path:
               Master_SSL_Cert:
             Master_SSL_Cipher:
                Master_SSL_Key:
        Seconds_Behind_Master: 0
Master_SSL_Verify_Server_Cert: No
                 Last_IO_Errno: 0
                 Last IO Error:
                Last_SQL_Errno: 0
                Last_SQL_Error:
  Replicate_Ignore_Server_Ids:
              Master_Server_Id: 2
                    Master_UUID: 54515095-7861-11e7-863d-000c29c67787
              Master_Info_File: mysql.slave_master_info
                      SQL_Delay: 0
           SQL_Remaining_Delay: NULL
      Slave_SQL_Running_State: Slave has read all relay log; waiting for more updates
            Master_Retry_Count: 86400
                    Master_Bind:
      Last_IO_Error_Timestamp:
```

Last_SQL_Error_Timestamp:
Master_SSL_Crl:
Master_SSL_Crlpath:
Retrieved_Gtid_Set:
Executed_Gtid_Set:
Auto_Position: 0
Replicate_Rewrite_DB:
Channel_Name: masterb
Master_TLS_Version:
2 rows in set (0.00 sec)
ERROR:
No query specified
mysql>
在 mastera 上插入数据在其他节点都可以查到数据
mysql> insert into db01.t1 set id=100;
Query OK, 1 row affected (0.01 sec)
yum install gcc* lua lua-devel libevent libevent-devel glib2 glib2-devel pkgconfig mariadb-devel flex
yum mstan gcc. Ida ida-deven ilbevent ilbevent-devenglibz gilbz-deven pr.gcomig manadb-devenliex
wget ftp://mysql.cdpa.nsysu.edu.tw/Unix/Database/MySQL/Downloads/MySQL-Proxy/mysql-proxy-0.8.5.tar.g
tar xf mysql-proxy-0.8.5.tar.gz
cd mysql-proxy-0.8.5
./configureprefix=/usr/local/mysql-proxy
make
make install
[root@linhai bin]# cd /usr/local/mysql-proxy/
[root@linhai mysql-proxy]# ls

```
bin include lib libexec share
[root@linhai mysql-proxy]# cd bin
[root@linhai bin]# ls
mysql-binlog-dump mysql-myisam-dump mysql-proxy
```

主从节点都给 134 赋权

grant all on db01.* to 'mysql-proxy'@192.168.45.133 identified by 'Gmcc#123';

[root@linhai bin]# ./mysql-proxy -P 192.168.45.133:3306 -b 192.168.45.129:3306 -b 192.168.45.130:3306 -r 192.168.45.131:3306 -r 192.168.45.132:3306 &

[1] 12430

[root@linhai bin]# 2017-08-10 00:45:47: (critical) plugin proxy 0.8.5 started

[root@linhai bin]#

[root@linhai bin]# netstat -antup |grep 3306

tcp 0 0 192.168.45.133:3306 0.0.0.0:* LISTEN 12430/./mysql-proxy

测试:

mysql -u'mysql-proxy' -p'Gmcc#123' -h192.168.45.133 [root@linhai ~]# mysql -u'mysql-proxy' -p'Gmcc#123' -h192.168.45.133 Welcome to the MariaDB monitor. Commands end with ; or \g. Your MySQL connection id is 15 Server version: 5.7.14-log Source distribution

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

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

MySQL [(none)] > show databases;

MySQL~[(none)] > select * from db01.t1;

+----+

```
| id
    name
+----+
   10 | zhang |
    3 | NULL |
    4 | NULL |
    5 | NULL |
    6 | NULL |
    7 | NULL |
    8 | NULL
    9 | NULL |
   11 | NULL |
   12 | NULL
   13 | NULL |
   14 | NULL |
   15 | NULL |
   16 | NULL |
  100 | NULL |
  200 | NULL |
+----+
16 rows in set (0.01 sec)
MySQL [(none)]> insert into db01.t1 set id=300;
Query OK, 1 row affected (0.08 sec)
MySQL [(none)] > select * from db01.t1;
+----+
|id |name |
+----+
   10 | zhang |
    3 | NULL |
    4 | NULL |
    5 | NULL |
    6 | NULL |
    7 | NULL |
    8 | NULL |
    9 | NULL |
   11 | NULL |
   12 | NULL |
   13 | NULL |
```

```
| 14 | NULL |
| 15 | NULL |
| 16 | NULL |
| 100 | NULL |
| 200 | NULL |
| 300 | NULL |
+----+
```

去到 slaveb 上查询记录:

[root@slaveb ~]# mysql -uroot -p

Enter password:

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

Your MySQL connection id is 8

Server version: 5.7.14-log Source distribution

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

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

13 | NULL |

| 14 | NULL | | 100 | NULL | | 200 | NULL | | 300 | NULL | +----+ 15 rows in set (0.00 sec)

mysql>

0----- 笔试题 ------

MYSQL 考试

笔试满分100分,60分及格,90分优秀 上机满分100分,附加题20分,80及格,100优秀

一、笔试部分

1. 什么是mysql? (14)

MySQL是一种关系数据库管理系统,关系数据库将数据保存在不同的表中

2. 什么是存储引擎? (2)

数据库存储引擎是数据库底层软件组织,数据库管理系统(DBMS)使用数据引擎进行创建、查询、更新和删除数据。不同的存储引擎提供不同的存储机制、索引技巧、锁定水平等功能

3. myisam和innodb的区别? 1) 事务 2) 锁精度 3) 适用场景(6)

innodb 存储引擎: 面向OLTP(online transaction processing)、行锁、支持外键、非锁定读、默认采用repeaable级别(可重复读)通过nextkeylocking策略避免幻读、插入缓冲、二次写、自适应哈希索引、预读myisam 存储引擎: 不支持事务、表锁、全文索引、适合olap(在线分析处理),其中myd:放数据文件,myi:放索引文件

4. 备份的分类(6)

冷备、热备、异地灾备 或者物理备份和逻辑备份

5. 冷备和热备的区别(8)

热备份针对归档模式的数据库,在数据库仍旧处于工作状态时进行备份.而冷备份指在数据库关闭后,进行备份,适用于所有模式的数据库.热备份的优点在于当备份时,数据库仍旧可以被使用并且可以将数据库恢复到任意一个时间点.冷备份的优点在于它的备份与恢复操作相当简单,并且由于冷备份的数据库

6. 冷备的分类(4)

离线冷备可以分为:tar包,lvm镜像

7. 如何查看二进制日志?如何通过参数截取binlog的某些行? (6)

mysqlbinlog工具查看

可以用 --start-datetime和 --stop-datetime 或者--start-position 和--stop-position

- 8. mysqldump命令的用法(10)
- 1) 备份所有数据库

Mysqldump -A -uroot -p'password' >/tmp/dump-all.sql

2) myisam存储引擎保证数据一致

mysqldump -uroot -p'password' -A --lock-all-tables >/tmp/dump-all.sql

3) innodb存储一切保证数据一致

 $\label{thm:mysqldump-A--single-transaction} \textbf{Mysqldump-A--single-transaction-u} \textbf{u} \textbf{root-p'password'} > / \textbf{tmp/dump-all.sql} \textbf{sql}$

4)备份的时候记录二进制日志的信息

Mysqldump -A -uroot -p'password' --master-data=2 >/tmp/dump-all.sql

5) 刷新日志

Mysqldump -A --flush-logs -uroot -p'password' >/tmp/dump-all.sql

- 9. mysqladmin命令的用法(6)
- 1) mariadb5.5初始化状态下如何修改root用户密码 mysqladmin -uroot password 'uplooking'
- 2) mariadb5.5root密码为uplooking如何修改成uplooking123 mysqladmin -uroot -p'uplooking' password 'uplooking123'
- 10. innobackupex命令的用法(8)
- 1) 全备份

innobackupex user=root password=password /tmp/backup

2) 增量备份

 $innobackupex \ --user=root \ --password=uplooking \ --incremental basedir=/tmp/backup/ \ --incremental/tmp/backup$

3) 还原数据

innobackupex applylog /tmp/backup/2016*

- 11. 还原数据的标准流程(10)
- 1)将mysqldump备份的数据还原

直接导入: mysql -uroot -ppassword </tmp/backup.sql

2) 将perconna xtrabackup备份的数据还原

innobackupex applylog /tmp/backup/2016*

12. 冗余环境的搭建步骤,单主从(8)

- # 主服务器
- 1) 修改配置文件 log-bin server-id=1 (重启服务)
- 2) 授权从机 grant replication slave to slave@172.25.0.12 uplooking
- 3) 初始化数据一致 mysqldump---》传输给从机器
- # 从服务
- 1) install
- 2) 修改配置文件 server-id=2
- 3) 初始化数据一致 导入全备数据
- 4) > change master master host='172.25.0.11'

master_user='slave'

master_password='uplooking'

master log file=''

master_log_pos=''

- 5)> start slave;
- 6) > show slave status\G;

13. mysql 或 mariadb 不同版本对主从同步中的延迟问题的解决方法(6)

mysql5.5之前没有解决方案——单线程

mysql5.6 (mariadb10) 开始——一库一线程

mysql5.7(mariadb10.1)真正解决了——一组一线程