MySQL主从同步--gtid方式

环境：主服务器--dbsvr1--192.168.4.8

从服务器--dbsvr2--192.168.4.9

两台虚拟机关闭防火墙，SELinux。

##重复上传、安装MySQL5.7，修改默认密码

[root@dbsvr1 ~]# ls

mysql-5.7.17-1.el7.x86\_64.rpm-bundle.tar

[root@dbsvr1 ~]# tar -xf mysql-5.7.17-1.el7.x86\_64.rpm-bundle.tar

[root@dbsvr1 ~]# ls

mysql-5.7.17-1.el7.x86\_64.rpm-bundle.tar

mysql-community-client-5.7.17-1.el7.x86\_64.rpm

mysql-community-common-5.7.17-1.el7.x86\_64.rpm

mysql-community-devel-5.7.17-1.el7.x86\_64.rpm

mysql-community-embedded-5.7.17-1.el7.x86\_64.rpm

mysql-community-embedded-compat-5.7.17-1.el7.x86\_64.rpm

mysql-community-embedded-devel-5.7.17-1.el7.x86\_64.rpm

mysql-community-libs-5.7.17-1.el7.x86\_64.rpm

mysql-community-libs-compat-5.7.17-1.el7.x86\_64.rpm

mysql-community-minimal-debuginfo-5.7.17-1.el7.x86\_64.rpm

mysql-community-server-5.7.17-1.el7.x86\_64.rpm

mysql-community-server-minimal-5.7.17-1.el7.x86\_64.rpm

mysql-community-test-5.7.17-1.el7.x86\_64.rpm

[root@dbsvr1 ~]# tar -xf mysql-5.7.17-1.el7.x86\_64.rpm-bundle.tar

[root@dbsvr1 ~]# rm -rf mysql-community-server-minimal-5.7.17-1.el7.x86\_64.rpm #删除不不要的软件包

[root@dbsvr1 ~]# yum -y localinstall mysql-community-\*.rpm

[root@dbsvr1 ~]# systemctl start mysqld.service #启动服务

[root@dbsvr1 ~]# grep 'password' /var/log/mysqld.log

2017-11-25T08:03:47.613909Z 1 [Note] A temporary password is generated for root@localhost: i35Xc%HCF:lD

[root@dbsvr1 ~]# mysql -u root -pi35Xc%HCF:lD

#登录mysql数据库

mysql> set global validate\_password\_policy=0;

Query OK, 0 rows affected (0.00 sec)

mysql> set global validate\_password\_length=4;

Query OK, 0 rows affected (0.00 sec)

mysql> SET PASSWORD FOR 'root'@'localhost'=PASSWORD('123456');

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

#修改数据库密码

##dbsvr2上重复同样的操作，完成实验基础环境

##开始gtid实验

[root@dbsvr1 ~]#vim /etc/my.cnf

[mysqld]

gtid\_mode=on

enforce\_gtid\_consistency=on

skip\_slave\_start=1

server\_id=1

log-bin=mysql-bin

log-slave-updates=1

[root@dbsvr1 ~]#systemctl restart mysqld.service

[root@dbsvr1 ~]#mysql -uroot -p123456

mysql>reset master;

mysql> set global validate\_password\_policy=0;

mysql> set global validate\_password\_length=4;

mysql>grant replication slave on \*.\* to ‘slaveuser’@’%’ identified by ‘123456’;

mysql>flush privileges;

mysql>show master status\G

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

File: mysql-bin.000002

Position: 752

Binlog\_Do\_DB:

Binlog\_Ignore\_DB:

Executed\_Gtid\_Set: 9bfc3154-d40f-11e7-a340-525400beaa08:1-2

1 row in set (0.00 sec)

mysql>

#得到Executed\_Gtid\_Set这个参数

##从服务器上安装MySQL，修改默认密码

[root@dbsvr2 ~]#vim /etc/my.cnf

[mysqld]

gtid\_mode=on

enforce\_gtid\_consistency=on

log-bin=mysql-bin

server\_id=2

[root@dbsvr2 ~]#systemctl restart mysqld.service

[root@dbsvr2 ~]#mysql -uroot -p123456

mysql>set @@global.gtid\_purged=’ 9bfc3154-d40f-11e7-a340-525400beaa08:1-2’;

mysql>set @@global.gtid\_mode=off\_permissive;

mysql>set @@global.gtid\_mode=on\_permissive;

mysql>set @@global.gtid\_mode=on;

#修改环境变量参数

mysql>change master to

->master\_host=’192.168.4.8’,

->master\_user=’slaveuser’,

->master-password=’123456’,

->master\_port=3306,

->master\_auto\_position=1;

mysql>start slave;

mysql>show slave stauts\G

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

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

Master\_Host: 192.168.4.8

Master\_User: slaveuser

Master\_Port: 3306

Connect\_Retry: 60

Master\_Log\_File: mysql-bin.000002

Read\_Master\_Log\_Pos: 752

Relay\_Log\_File: localhost-relay-bin.000002

Relay\_Log\_Pos: 576

Relay\_Master\_Log\_File: mysql-bin.000002

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: 752

Relay\_Log\_Space: 787

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: 9bfc3154-d40f-11e7-a340-525400beaa08

Master\_Info\_File: /var/lib/mysql/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: 9bfc3154-d40f-11e7-a340-525400beaa08:3

Executed\_Gtid\_Set: 9bfc3154-d40f-11e7-a340-525400beaa08:1-3

Auto\_Position: 1

Replicate\_Rewrite\_DB:

Channel\_Name:

Master\_TLS\_Version:

1 row in set (0.00 sec)

#得到两个IO线程为yes

##测试结果

主服务器上

mysql> create database testgtid;

Query OK, 1 row affected (0.01 sec)

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| newdb |

| performance\_schema |

| sys |

| testgtid |

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

6 rows in set (0.01 sec)

##从服务器检查结果

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| newdb |

| performance\_schema |

| sys |

| testgtid |

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

6 rows in set (0.00 sec)

#新建的testgtid库已经同步，完成。