2.0与2.5的语法转换问题

一个简单做法是部署一个 2.0/2.5 混部的集群，在 2.0 上 show create table 就行了

情况是这样：我这边有客户 2.5 的数据

我在 2.0 版本上写测试用例用来做测试基准，面临 2.5 数据向 2.0 环境上迁移的问题

yujiexia(夏雨杰):
一个简单做法是部署一个 2.0/2.5 混部的集群，在 2.0 上 show create table 就行了

哦哦哦，我了解一下

2.5 和 2.0 有部分表是能兼容读写的，即 2.5 上建表，2.0 上也能访问

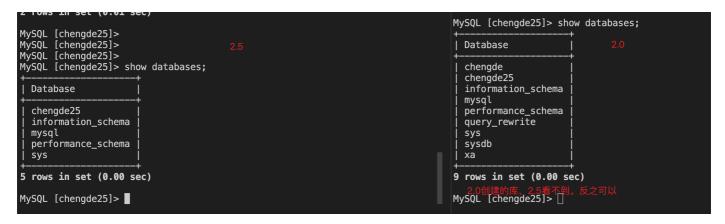好的，感谢

混部proxy，然后2.5上创建，2.0上查询

2.0上创建，2.5上可以查到

```
CREATE TABLE `t1` ( `a` int NOT NULL, `b` int DEFAULT NULL, PRIMARY KEY (`a`) )
ENGINE=InnoDB DEFAULT CHARSET=utf8mb3 TDSQL_DISTRIBUTED BY RANGE(a) (s1 values less than
('100'),s2 values less than ('200'));
```

2.5上创建，2.0上查

```
MySQL [chengde25]> show create table t2;                          MySQL [chengde25]> show  create table t2;
+-------+------------------------------------------              +-------+------------------------------------------
-----------------------------------------------                 -----------------------------------------------
-----------------------------------------------                 -----------------------------------------------
-----------------------------------------------                 ------------+
-----------------------------------------+                      | Table | Create Table
| Table | Create Table                                                                       2.0
                                   2.5
                                                                                |
                    |                                           +-------+------------------------------------------
+-------+------------------------------------------             -----------------------------------------------
-----------------------------------------------                 -----------------------------------------------
-----------------------------------------------                 ------------+
-----------------------------------------+                      | t2    | CREATE TABLE `t2` (
| t2    | CREATE TABLE `t2` (                                     `a` int NOT NULL,
  `a` int NOT NULL,                                               `b` int DEFAULT NULL,
  `b` int DEFAULT NULL,                                           PRIMARY KEY (`a`)
  PRIMARY KEY (`a`)                                             ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb3
) ENGINE=TDSQL DISTRIBUTION=SHARDING DEFAULT CHARSET=utf8mb3    /*!50100 PARTITION BY RANGE (`a`)
/*!50100 PARTITION BY RANGE (`a`)                               (PARTITION s1_part0 VALUES LESS THAN (100) ENGINE = InnoDB) */ TDSQL_DISTRIBU
(PARTITION s1_part0 VALUES LESS THAN (100) ENGINE = TDSQL LOCATION = SET(s1),  TED BY RANGE(a) (s1 values less than ('100'),s2 values less than ('200')) |
 PARTITION s2_part0 VALUES LESS THAN (200) ENGINE = TDSQL LOCATION = SET(s2))   +-------+------------------------------------------
 */ |                                                           -----------------------------------------------
+-------+------------------------------------------             -----------------------------------------------
-----------------------------------------------                 ------------+
-----------------------------------------------                 1 row in set (0.00 sec)
-----------------------------------------------
-----------------------------------------+                      MySQL [chengde25]>
1 row in set (0.00 sec)
```

```
CREATE TABLE `t2` (
  `a` int NOT NULL,
  `b` int DEFAULT NULL,
  PRIMARY KEY (`a`)
) ENGINE=TDSQL DISTRIBUTION=SHARDING DEFAULT CHARSET=utf8mb3
/*!50100 PARTITION BY RANGE (`a`)
(PARTITION s1_part0 VALUES LESS THAN (100) ENGINE = TDSQL LOCATION = SET(s1),
 PARTITION s2_part0 VALUES LESS THAN (200) ENGINE = TDSQL LOCATION = SET(s2)) */
```

注意事项

```
2 rows in set (0.01 sec)

MySQL [chengde25]>
MySQL [chengde25]>                    2.5
MySQL [chengde25]>
MySQL [chengde25]> show databases;
+--------------------+
| Database           |
+--------------------+
| chengde25          |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.00 sec)

MySQL [chengde25]> █
```

```
MySQL [chengde25]> show databases;
+--------------------+
| Database           |           2.0
+--------------------+
| chengde            |
| chengde25          |
| information_schema |
| mysql              |
| performance_schema |
| query_rewrite      |
| sys                |
| sysdb              |
| xa                 |
+--------------------+
9 rows in set (0.00 sec)

       2.0创建的库，2.5看不到。反之可以
MySQL [chengde25]> █
```

chengde是在2.0上创建的，2.5不可见

创建环境

1. 构建3proxy的实例，proxy版本为2.0

2. 将其中一个proxy的版本更换为2.5

    更换方法：https://iwiki.woa.com/p/4010697647

    2.5 proxy路径：https://devops.woa.com/console/pipeline/zhiyan-tdsqlv2/p-855b1b68bb42406ba9dec2 02ab077349/detail/b-6590c1e3737c444cbad580eda1198515/outputs

   /data/tdsql_run/portNumber 下面进行替换

Host (IP:Port)	是否 启用IPV6	IPV6 (IP:Port)	Proxy 版本	P 开
▓▓▓▓▓▓▓▓11	IPV4生效中	-	sqlengine-0.0.1	sc 0. 20 e7
9.▓▓▓▓▓5	IPV4生效中		proxy-22.3.5	pr 20 73
9▓▓7.138 50▓	IPV4生效中		proxy-22.3.5	pr 20 73

3. 使用指定porxy登录数据库

大批量实践环节

问题1：

2.5语法中的

```
... `last_update_time` timestamp NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP COMMENT '最后更新时间',
  PRIMARY KEY (`id`),
  KEY `idx_cust_num` (`cust_num`),
  KEY `idx_business_date` (`business_date`)
) ENGINE=TDSQL DISTRIBUTION=SET(s1) DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_bin
COMMENT='[中]客户清退全量表'  |
```

DISTRIBUTION=SET(s1) 在2.5上创建后，在2.0仅显示表明，但是无法无法查询

和s1的分片名称有关?