DTS数据迁移:增量迁移测试

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一、1、结构迁移+增量迁移

(目标库和表未创建前提)

mysql>SELECT * FROM hjxdb1.t1 +----+ +----+ 共返回 0 行记录,花费 2 ms. mysql>SELECT * FROM hjxdb.t1 +----+ +----+ 1 | apple 2 | shaw 3 | bobo +----+ 共返回 3 行记录,花费 2 ms. mysql>insert into hjxdb.t1 values (4,'leo') 共影响 1 行记录,花费 6 ms. mysql>SELECT * FROM hjxdb.t1 +----+ | id | name +----+ 1 | apple 2 | shaw 3 | bobo

4 | leo |

二、增量迁移过程删除目标库与源库相同某张表,迁移任务失败

提醒: DTS-077100: Record Replicator error, cause by java.io.IOException: com.mysql.jdbc.exceptions.jdbc4.MySQLSyntaxErrorException: Table 'hjxdb1.dts_increment_trx' doesn't exist mysql>insert into hjxdb.t1 values (5,'leo') 共影响 1 行记录,花费 7 ms. mysql>SELECT * FROM hjxdb1.t1 +----+ +----+ 4 | leo +----+ 共返回 1 行记录,花费 2 ms. mysql>SELECT * FROM hjxdb.t1 +----+ | id | name +----+ 1 | apple 2 | shaw 3 | bobo 4 | leo 5 | leo 共返回 5 行记录,花费 2 ms. mysql>SELECT * FROM hjxdb1.t1 +----+

三、新建迁移任务

a)结构迁移+全量迁移成功

b)增量迁移,验证数据未成功

```
mysql>SELECT * FROM hjxdb2.t1
+----+
l id
     name
+----+
     1 | apple
     2 | shaw
     3 | bobo
     4 | leo
     5 | leo
     6 | leo
  ----+
共返回 6 行记录,花费 2 ms.
mysql>insert into hjxdb.t1 values (7,'leo')
共影响 1 行记录,花费 7 ms.
mysql>SELECT * FROM hjxdb.t1
+----+
     name
| id
+----+
     1 | apple
     2 | shaw
     3 | bobo
     4 | leo
     5 | leo
     6 | leo
     7 | leo
共返回7行记录,花费2ms.
mysql>SELECT * FROM hjxdb2.t1
+----+
l id
     name
+----+
     1 | apple
     2 | shaw
     3 | bobo
```

+-----+ 共返回 6 行记录,花费 3 ms.

4 | leo 5 | leo 6 | leo

c)释放之前失败的迁移任务,增量迁移成功

```
mysql>SELECT * FROM hjxdb2.t1
+----+
| id | name
+----+
     1 | apple
     2 | shaw
    3 | bobo
     4 | leo
    5 | leo
     6 | leo
+----+
共返回 6 行记录,花费 2 ms.
mysql>insert into hjxdb.t1 values (8,'eo')
共影响 1 行记录,花费 7 ms.
mysql>SELECT * FROM hjxdb2.t1
+----+
| id | name |
+----+
    1 | apple
     2 | shaw
    3 | bobo
    4 | leo
    5 | leo
     6 | leo
     8 | eo
+----+
共返回 7 行记录,花费 3 ms.
mysql>insert into hjxdb.t1 values (9,'eo')
共影响 1 行记录,花费 7 ms.
mysql>SELECT * FROM hjxdb2.t1
+----+
| id | name
+----+
    1 | apple
     2 | shaw
     3 | bobo
    4 | leo
    5 | leo
     6 | leo
     8 | eo
     9 | eo
共返回 8 行记录,花费 2 ms.
mysql>insert into hjxdb.t1 values (10,'eo')
共影响 1 行记录,花费 7 ms.
mysql>SELECT * FROM hjxdb2.t1
+----+
| id
     name
```

共返回 9 行记录,花费 2 ms.

四、新建任务重新测试

- a) 创建结构迁移+全量迁移任务执行成功
- b) 创建类似任务,选择增量迁移
- c)源库插入数据观测目标库数据变化,增量迁移成功

mysql>SELECT * FROM hjxdb3.t1

+	+	+
id	name	
+	+	+
	1 apple	
	2 shaw	
	3 bobo	
	4 leo	
	5 leo	
	6 leo	
	7 leo	
	8 eo	
	9 eo	
	10 eo	
+	+	+

共返回 10 行记录,花费 2 ms.

mysql>insert into hjxdb.t1 values (11,'eo')

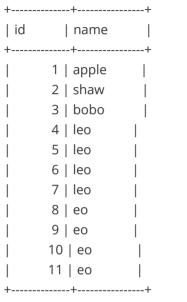
共影响 1 行记录,花费 8 ms.

mysql>SELECT * FROM hjxdb.t1

+	+	+
id	name	
+	+	+
	1 apple	
	2 shaw	
	3 bobo	

共返回 11 行记录,花费 3 ms.

mysql>SELECT * FROM hjxdb3.t1



共返回 11 行记录,花费 3 ms.

- d) 暂停任务, 插入数据, 重新启动任务数据增量迁移
- e)增量迁移任务开始前插入的数据无法增量迁移

ysql>SELECT * FROM hjxdb3.t1

+	+	+
id	name	
+	+	+
	1 apple	
	2 shaw	
	3 bobo	
	4 leo	
	5 leo	
	6 leo	
	7 leo	
	8 eo	
	9 eo	
	10 eo	
	11 eo	
	12 eo	

```
13 | eo
     14 | eo
+----+
共返回 14 行记录,花费 2 ms.
mysql>insert into hjxdb.t1 values (15,'eo')
共影响 1 行记录,花费 6 ms.
mysql>insert into hjxdb.t1 values (16,'eo')
共影响 1 行记录,花费 7 ms.
mysql>insert into hjxdb.t1 values (17,'eo')
共影响 1 行记录,花费 9 ms.
mysql>SELECT * FROM hjxdb3.t1
+----+
l id
      name
+----+
      1 | apple
      2 | shaw
      3 | bobo
      4 | leo
      5 | leo
      6 | leo
      7 | leo
      8 | eo
      9 | eo
     10 | eo
     11 | eo
     12 | eo
     13 | eo
     14 | eo
+----+
共返回 14 行记录,花费 2 ms.
mysql>SELECT * FROM hjxdb3.t1
+----+
| id
      name
+----+
      1 | apple
      2 | shaw
      3 | bobo
      4 | leo
      5 | leo
      6 | leo
      7 | leo
      8 | eo
      9 | eo
```

10 | eo 11 | eo 12 | eo 13 | eo 14 | eo

```
+----+
共返回 14 行记录,花费 2 ms.
mysql>SELECT * FROM hjxdb3.t1
+----+
| id
     name
+----+
     1 | apple
     2 | shaw
     3 | bobo
     4 | leo
     5 | leo
     6 | leo
     7 | leo
     8 | eo
     9 | eo
     10 | eo
     11 | eo
     12 | eo
     13 | eo
     14 | eo
+----+
共返回 14 行记录,花费 3 ms.
mysql>SELECT * FROM hjxdb3.t1
+----+
| id
     name
+----+
     1 | apple
     2 | shaw
     3 | bobo
     4 | leo
     5 | leo
     6 | leo
     7 | leo
     8 | eo
     9 | eo
     10 | eo
     11 | eo
     12 | eo
     13 | eo
     14 | eo
+----+
共返回 14 行记录,花费 2 ms.
mysql>insert into hjxdb.t1 values (18,'eo')
共影响 1 行记录,花费 8 ms.
mysql>SELECT * FROM hjxdb3.t1
+----+
| id | name
+----+
```

	1 apple	
	2 shaw	
	3 bobo	
	4 leo	
	5 leo	
	6 leo	
	7 leo	
	8 eo	
	9 eo	
	10 eo	
	11 eo	
	12 eo	
	13 eo	
	14 eo	
	18 eo	
_	1	_

共返回 15 行记录,花费 3 ms.