数据流触发事件后入库操作:

1建立分区事务表

CREATE TABLE ql\_rule\_check\_pass\_result\_par(

table\_name string DEFAULT NULL COMMENT ' ',

pk\_obj\_id string DEFAULT NULL COMMENT ' ',

org\_code string DEFAULT NULL COMMENT ' '

)

PARTITIONED BY (

rule\_id string)

CLUSTERED BY (

org\_code)

INTO 10 BUCKETS

ROW FORMAT SERDE

'org.apache.hadoop.hive.ql.io.orc.OrcSerde'

WITH SERDEPROPERTIES (

'serialization.format'='1')

STORED AS INPUTFORMAT

'org.apache.hadoop.hive.ql.io.orc.OrcInputFormat'

OUTPUTFORMAT

'org.apache.hadoop.hive.ql.io.orc.OrcOutputFormat'

LOCATION

'hdfs://nameservice1/inceptorsql1/user/hive/warehouse/kitdev.db/hive/ql\_rule\_check\_pass\_result\_par'

TBLPROPERTIES (

'transactional'='true',

'transient\_lastDdlTime'='1488849009') ;

2 加载数据

load data local inpath '/home/partition\_table.dat' into table partition\_table partition (daytime='2013-02-01');

新增数据：

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='1') select 11 as table\_name, 3 as pk\_obj\_id , 4 as org\_code from ql\_rule\_cfg limit 1;

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='1') select 12 as table\_name, 3 as pk\_obj\_id , 4 as org\_code from ql\_rule\_cfg limit 1;

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='1') select 13 as table\_name, 3 as pk\_obj\_id , 4 as org\_code from ql\_rule\_cfg limit 1;

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='2') select 11 as table\_name, 3 as pk\_obj\_id , 4 as org\_code from ql\_rule\_cfg limit 1;

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='2') select 12 as table\_name, 3 as pk\_obj\_id , 4 as org\_code from ql\_rule\_cfg limit 1;

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='2') select 13 as table\_name, 3 as pk\_obj\_id , 4 as org\_code from ql\_rule\_cfg limit 1;

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='3') values ('a','b','c');

修改数据：

update ql\_rule\_check\_nopass\_result\_par partition(rule\_id='2') set table\_name='test\_par\_table' where org\_code='4';

复制数据：

insert into ql\_rule\_check\_nopass\_result\_par partition(rule\_id='2') select table\_name, pk\_obj\_id, org\_code from ql\_rule\_check\_pass\_result\_par;

insert into ql\_rule\_check\_pass\_result\_par partition(rule\_id='3') select table\_name, pk\_obj\_id, org\_code from ql\_rule\_check\_nopass\_result\_par;

3按分区删除数据

ALTER TABLE ql\_rule\_check\_pass\_result\_par DROP PARTITION (rule\_id='1');

delete from ql\_rule\_check\_pass\_result\_par PARTITION (rule\_id='4') ;

4: 分区改名的方式

ALTER TABLE ql\_rule\_check\_pass\_result\_par PARTITION (rule\_id='3\_tmp') RENAME TO PARTITION (rule\_id='3');

ql\_map\_rule\_table:

unpass:

select '1' AS RULE\_ID,

'DM\_A\_TRANSFORMER' AS TABLE\_NAME,

A.ID AS PK\_OBJ\_ID,

t.VINDICATE\_OID as ORG\_CODE

from DM\_DEVICE t

join DM\_CLASSIFY c

on t.classify\_id = c.id

join DM\_A\_TRANSFORMER A

on t.ID = A.ID

join (SELECT fl.ASSET\_ID

FROM temp\_fl\_dm fl

WHERE fl.asSET\_STATE IN (1, 8)

AND fl.RUNNING\_STATE IN (1, 8)) temp

on temp.ASSET\_ID = T.ID

where A.LOW\_VOL\_RATED\_LITTLE\_SCC IS NULL

and t.classify\_id = '13169'

and (t.IS\_ASSAMBLY != 1 or t.IS\_ASSAMBLY is null)

and (t.IS\_VIRTUAL\_DEVICE != 1 or IS\_VIRTUAL\_DEVICE is null)

and t.ASSET\_STATE in (1, 8)

and T.POWER\_GRID\_FLAG = 1

pass:

select '1' AS RULE\_ID,

'DM\_A\_TRANSFORMER' AS TABLE\_NAME,

A.ID AS PK\_OBJ\_ID,

t.VINDICATE\_OID as ORG\_CODE

from DM\_DEVICE t

join DM\_CLASSIFY c

on t.classify\_id = c.id

join DM\_A\_TRANSFORMER A

on t.ID = A.ID

join (SELECT fl.ASSET\_ID

FROM temp\_fl\_dm fl

WHERE fl.asSET\_STATE IN (1, 8)

AND fl.RUNNING\_STATE IN (1, 8)) temp

on temp.ASSET\_ID = T.ID

where A.LOW\_VOL\_RATED\_LITTLE\_SCC IS NOT NULL

and t.classify\_id = '13169'

and (t.IS\_ASSAMBLY != 1 or t.IS\_ASSAMBLY is null)

and (t.IS\_VIRTUAL\_DEVICE != 1 or IS\_VIRTUAL\_DEVICE is null)

and t.ASSET\_STATE in (1, 8)

and T.POWER\_GRID\_FLAG = 1;

|  |  |  |  |
| --- | --- | --- | --- |
| 表名 | 数据量(条数) | 表大小(byte) |  |
| DM\_DEVICE | 4907465 | totalSize | 203844466 |  |
| DM\_CLASSIFY | 8908 | totalSize | 571922 |  |
| DM\_A\_TRANSFORMER | 94960 | totalSize | 2092761 |  |
| temp\_fl\_dm | 6306240 | totalSize | 207931953 |  |

共计花费时间 多少毫秒 23281

共计花费时间 多少毫秒22966

共计花费时间 多少毫秒23379

共计花费时间 多少毫秒23134

共计花费时间 多少毫秒23037

共计花费时间 多少毫秒23109

共计花费时间 多少毫秒22942

共计花费时间 多少毫秒22965

共计花费时间 多少毫秒23032

共计花费时间 多少毫秒22956

共计花费时间 多少毫秒22588

共计花费时间 多少毫秒23233

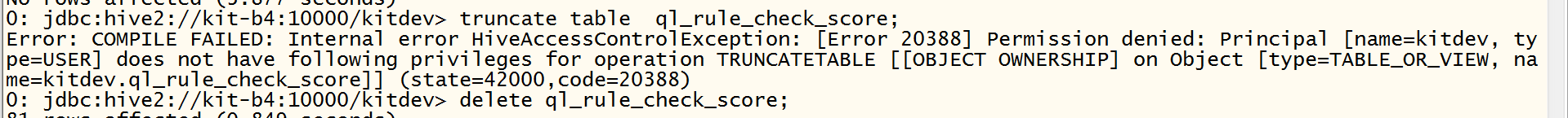
共计花费时间 多少毫秒22948

1521293毫秒



表没有truncate权限：

需查看在哪里进行配置！



truncate table ql\_rule\_check\_nopass\_result;

truncate table ql\_rule\_check\_pass\_result;

delete ql\_rule\_check\_score;