# Oracle® Retail Analytics

# Solution Report

## Description

核对每日RMS的库存传送到RA后,差异的核对

## Reason Analysis

1. 存在差异的商品地点的库存在W\_RTL\_INV\_IT\_LC\_DY\_F表中有二条纪录的截至日前TO\_DT\_WID=999999999999,所以造成数据错乱.(qty:8000,cost=170000)
2. 当某日库存发生了变化时,RA\_RMS.RA\_INV\_IT\_LC\_V没有业务纪录的发生,则此库存不会传入RA
3. 由于核对库存是RMSHIST.ITEM\_LOC\_SOH\_HIST和RADM.W\_RTL\_INV\_IT\_LC\_DY\_FV进行核对,但是RMSHIST.ITEM\_LOC\_SOH\_HIST备份的时间点和RA取RMS的库存的时间点一个在前一个在后,如果在此时间段内RMS.ITEM\_LOC\_SOH有库存变化,RA仍然是取最新的,而RMSHIST.ITEM\_LOC\_SOH\_HIST不会纪录此时间段的变化(第二天日结库存备份回纪录进去),所以仍然会有差异.

## Solutions

1. 建立存储过程更新W\_RTL\_INV\_IT\_LC\_DY\_F表中的TO\_DT\_WID列.  
   begin  
   -- Call the procedure  
   yj\_update\_w\_rtl\_inv\_it\_lc\_dy\_f;  
   end;
2. 创建同义词:  
   CREATE SYNONYM RA\_RMS.RMS\_RA\_INV\_CHECK\_DIFF FOR [RADM.RMS\_RA\_INV\_CHECK\_DIFF@RMS\_RA](mailto:RADM.RMS_RA_INV_CHECK_DIFF@RMS_RA);
3. 修改原视图语句:  
   CREATE OR REPLACE VIEW RA\_RMS.RA\_INV\_IT\_LC\_V AS  
   SELECT IF\_TRAN\_DATA.ITEM, IF\_TRAN\_DATA.LOCATION, IF\_TRAN\_DATA.LOC\_TYPE  
    FROM RMS.IF\_TRAN\_DATA IF\_TRAN\_DATA, RMS.ITEM\_MASTER ITEM\_MASTER  
    WHERE IF\_TRAN\_DATA.ITEM = ITEM\_MASTER.ITEM  
    AND ITEM\_MASTER.ITEM\_XFORM\_IND != 'Y'  
    AND ITEM\_MASTER.INVENTORY\_IND = 'Y'  
    UNION  
    SELECT VPQ.ITEM PROD\_IT\_NUMZ,  
    OLR.LOCATION ORG\_NUM,  
    OLR.LOC\_TYPE LOC\_TYPE\_CDE  
    FROM RMS.ORDLOC\_REV OLR, RMS.ITEM\_MASTER IM, RMS.V\_PACKSKU\_QTY VPQ  
    WHERE VPQ.ITEM = IM.ITEM  
    AND OLR.ITEM = VPQ.PACK\_NO  
    AND IM.ITEM\_XFORM\_IND != 'Y'  
    AND OLR.REV\_DATE = GET\_VDATE - 1  
    UNION  
    SELECT ORDLOC\_REV.ITEM, ORDLOC\_REV.LOCATION, ORDLOC\_REV.LOC\_TYPE  
    FROM RMS.ORDLOC\_REV ORDLOC\_REV, RMS.ITEM\_MASTER ITEM\_MASTER  
    WHERE ORDLOC\_REV.ITEM = ITEM\_MASTER.ITEM  
    AND ITEM\_MASTER.PACK\_IND != 'Y'  
    AND ITEM\_MASTER.ITEM\_XFORM\_IND != 'Y'  
    AND ORDLOC\_REV.REV\_DATE = GET\_VDATE - 1  
    UNION  
    SELECT DIFF.ITEM,DIFF.LOC LOCATION,DIFF.LOC\_TYPE  
    FROM RA\_RMS.RMS\_RA\_INV\_CHECK\_DIFF DIFF;

## SQL script

1. DROP MATERIALIZED VIEW RADM.RA\_INV\_IT\_LC\_DY\_CHECK
2. CREATE MATERIALIZED VIEW RADM.RA\_INV\_IT\_LC\_DY\_CHECK AS  
   SELECT PROD.PROD\_NUM ITEM,  
   ORG.ORG\_NUM LOC,  
   T.INV\_SOH\_QTY,  
   T.INV\_SOH\_COST\_AMT\_LCL  
   FROM RADM.W\_RTL\_INV\_IT\_LC\_DY\_FV T, W\_PRODUCT\_D PROD, W\_INT\_ORG\_D ORG  
   WHERE T.ORG\_WID = ORG.ROW\_WID  
   AND T.PROD\_WID = PROD.ROW\_WID  
   AND PROD.CURRENT\_FLG='Y'  
   AND T.DT\_WID = '1' || TO\_CHAR(SYSDATE - 1, 'YYYYMMDD') || '000'
3. DROP MATERIALIZED VIEW RADM.RMS\_RA\_INV\_CHECK\_DIFF
4. CREATE MATERIALIZED VIEW RADM.RMS\_RA\_INV\_CHECK\_DIFF AS  
   SELECT RMS.ITEM,  
   RMS.LOC,  
   RMS.STOCK\_ON\_HAND RMS\_SOH,  
   RA.INV\_SOH\_QTY RA\_SOH,  
   RMS.STOCK\_ON\_HAND - RA.INV\_SOH\_QTY DIFF\_SOH,  
   RMS.COST RMS\_COST,  
   RA.INV\_SOH\_COST\_AMT\_LCL RA\_COST,  
   RMS.COST - RA.INV\_SOH\_COST\_AMT\_LCL DIFF\_COST,  
   SYSDATE W\_INSERT\_DT  
   FROM (SELECT T.ITEM,  
   T.LOC,  
   T.STOCK\_ON\_HAND,  
   T.STOCK\_ON\_HAND \* T.AV\_COST COST  
   FROM RMSHIST.ITEM\_LOC\_SOH\_HIST@RA\_RMS\_DBLINK T  
   WHERE T.SOH\_BAK\_DATE =TO\_DATE(TO\_CHAR(SYSDATE - 1, 'YYYYMMDD'), 'YYYYMMDD')) RMS,  
   RADM.RA\_INV\_IT\_LC\_DY\_CHECK RA  
   WHERE RMS.ITEM = RA.ITEM(+)  
   AND RMS.LOC = RA.LOC(+)  
   AND (RMS.STOCK\_ON\_HAND <> RA.INV\_SOH\_QTY)

**此4个核对语句加在ODI的BBG\_ETL\_MONTH\_DATA中**