

之前我有一篇关于计划需求怎么计算的文章讲到，需求公式就是：
结存数量+预计入库量-
预计出库量=可用数量，如果可用数量为正数，则需求计划数量等于0，如果为负数，则为需求计划数量等于负可用数量的正数。

根据这个逻辑，我们就云上报表就可以构建出这样的报表了，见下图中的计划数量列就是计算结果：



```
select  
cinrcode as 物料编码,  
cinrname as 物料名称,  
cinrstd as 规格型号  
from inventory as 物料表
```

| # | 物料编码 | 物料名称 | 规格型号 |
|----|--------|--------------|-------------|
| 1 | 101001 | 电子礼品猫 | Cat-001, 花色 |
| 2 | 101002 | 电子礼品狗 | Dog-001, 黄色 |
| 3 | 102001 | 烟感探测器 | LM-909B, 花色 |
| 4 | 102002 | 汽感探测器 | LM-508S, 花色 |
| 5 | 103001 | 联通大堂机 | KL265 |
| 6 | 103002 | 移动大堂机 | KL275 |
| 7 | 201001 | 贴片板, Cat-001 | 120V |
| 8 | 201002 | 贴片板, Dog-001 | 120V |
| 9 | 202001 | Cat-001外壳 | ABS料, 本色 |
| 10 | 202002 | Dog-001外壳 | ABS料, 本色 |

2、现存量表

这个是U8中的现存量表，里面只要一个物料编码段和结存数量就可以。

```
SELECT cInvCode AS ?????, CAST(iQuantity AS decimal(38, 2)) AS  
S ?????FROM CurrentStock
```

3、预计入库量

预计入库量包含了很多种数据，我们只拿一个采购入库在途的做示例。下面是通过【采购订单数量-已到货数量-已入库数量】，然后进行汇总得出某个物料所有采购订单在途的总数。

```
SELECT cinvcode as ?????,sum(CAST(isnull(iQuantity,0) - isnull(iReceivedQTY,0) - isnull(iArrQTY,0) AS decimal(38, 2))) AS ??????from po_podetails group by cInvCode
```

4、预计出库量

预计出库量跟预计入库的概念一样，也只拿一个生产订单未领量做示例。下面是通过【生产订单应领数量-已领数量】，然后进行汇总得出某个物料所有生产订单未领用的总数。

```
SELECT InvCode as ?????,sum(CAST(isnull(Qty,0) - isnull(IssQty,0) AS decimal(38, 2))) AS ??????from v_mom_moallocate group by InvCode
```

有了上面这四个来源信息，我们接下来就是要怎么把四种信息集合到一个表里面，下面的语句就是通过表与表关联关系给串起来的。

```
select cinvcode as ?????,cinvname as ?????,cinvstd as ?????,isnull(?????.?????,0) as ?????,isnull(?????.???????,0) as ?????,isnull(?????.???????,0) as ?????,isnull(?????.???????,0)+isnull(?????.???????,0)-isnull(?????.???????,0) as ?????,(case when isnull(?????.?????,0)+isnull(?????.???????,0)-isnull(?????.???????,0)>0 then 0 else - (isnull(?????.?????,0)+isnull(?????.???????,0)-isnull(?????.???????,0)) end) as ?????from inventory as ???left join (SELECT cinvcode as ?????,CAST(iQuantity AS decimal(38, 2)) AS ????? FROM CurrentStock) As ????? on ???cInvCode = ?????left join (SELECT cinvcode as ?????,sum(CAST(isnull(iQuantity,0) - isnull(iReceivedQTY,0) - isnull(iArrQTY,0) AS decimal(38, 2))) AS ??????from po_podetails group by cInvCode) as ????? on ???cInvCode = ?????left join (SELECT InvCode as ?????,sum(CAST(isnull(Qty,0) - isnull(IssQty,0) AS decimal(38, 2))) AS ??????from v_mom_moallocate group by InvCode) as ????? on ???cInvCode = ?????
```

把上面这段语句复制到云上报表内容中，就是我们要的结果了。

