

Clearance Pricing POS Download [pccdnlld]

Design Overview

The purpose of the Clearance Download (pccdnlld) module is to send clearance markdown retail prices to the point of sales system. Clearance markdowns that are to take effect within the predetermined number of days are written out to the POS_MODS table, which will be used as an interface point with the point of sale. Also, the clearance detail records are updated with the current date as a downloaded date. The number of days prior to taking effect that clearance markdowns are downloaded is maintained as a system option.

If the Batch with Online Users indicator is set to 'Y', it will bulk lock the clear_susp_detail records first to check for record locking for a given set of records before performing the necessary updates. If the records are locked by another application, they will not be processed, thus an update to the clear_susp_detail table for the set of records will not happen. Otherwise, the records will be processed and an update to the clear_susp_detail table for the set of records will happen.

Table	Index	Select	Insert	Update	Delete
PERIOD	No	Yes	No	No	No
UNIT_OPTIONS	No	Yes	No	No	No
CLEAR_SUSP_DETAIL	No	Yes	No	Yes	No
CLEAR_SUSP_HEAD	No	Yes	No	No	No
PRICE_ZONE_GROUP_STORE	No	Yes	No	No	No
ITEM_LOC	No	Yes	No	No	No
ITEM_MASTER	No	Yes	No	No	No
ITEM_ZONE_PRICE	No	Yes	No	No	No
POS_MODS	No	No	Yes	No	No
RESTART_CONTROL	No	Yes	No	No	No
SYSTEM_OPTIONS	No	Yes	No	No	No
BATCH_LOCK_LOG	No	No	Yes	No	Yes
CLEAR_SUSP_DETAIL_LOCK_TEMP	No	Yes	Yes	No	Yes

Scheduling Constraints

Pre/Post Logic Description

Processing Cycle: Phase 1

Scheduling Diagram: N/A

Pre-Processing: N/A

Post-Processing: N/A

Threading Scheme: Clearance

Restart Recovery

Logical Unit of Work (recommended Commit checkpoints)

Driving Cursor

```
EXEC SQL DECLARE c_clear CURSOR FOR
SELECT csd.item,
       csd.clearance,
       TO_CHAR(csd.active_date, 'YYYYMMDD'),
       csd.zone_group_id,
       csd.zone_id,
       csd.unit_retail,
       pzgs.store,
       ROWIDTOCHAR(csd.rowid),
       csd.selling_uom,
       im.standard_uom,
       NVL(ilc.clear_ind, 'N'),
       ilc.selling_uom,
       ilc.unit_retail,
       NVL(izp.multi_units, -1),
       NVL(izp.multi_unit_retail, -1),
       NVL(izp.multi_selling_uom, '-1'),
       csd.markdown_nbr
FROM   clear_susp_detail csd,
       clear_susp_head csh,
       price_zone_group_store pzgs,
       item_master im,
       item_zone_price izp,
       item_loc ilc,
       restart_control rc
WHERE  :prc_ext_days >= (csd.active_date - TO_DATE(:ps_vdate,
'YYYYMMDD'))
      AND csd.active_date >= TO_DATE(:ps_tomorrow, 'YYYYMMDD')
      AND csh.status      = 'A'
      AND csd.downloaded_date IS NULL
      AND csd.clearance   = csh.clearance
      AND pzgs.zone_group_id = csd.zone_group_id
      AND pzgs.zone_id     = csd.zone_id
      AND csd.item        = im.item
      AND izp.item         = ilc.item
      AND ilc.item         = im.item
      AND ilc.status       in ('A', 'C')
      AND ilc.loc          = pzgs.store
      AND izp.zone_group_id = pzgs.zone_group_id
      AND izp.zone_id      = pzgs.zone_id
      AND rc.driver_name   = :ps_restart_driver_name
      AND rc.num_threads   = TO_NUMBER(:ps_restart_num_threads)
      AND restart_thread_return(csh.clearance, rc.num_threads) =
TO_NUMBER(:ps_restart_thread_val)
      AND rc.program_name  = 'pccdnlld'
      AND im.status        = 'A'
      AND im.item_level    = im.tran_level
      AND im.pack_ind       = 'N'
ORDER BY csd.clearance,
        csd.item,
        csd.zone_group_id,
        csd.zone_id;
```

Program Flow

N/A

Shared Modules

N/A

Function Level Description

N/A

I/O Specification

N/A

Technical Issues

N/A